

Appendix 2: Species Profiles (continued)

[Appendix to Hughes et al. 2013 "Prioritising naturalised plant species for threat assessment"]

Hordeum secalinum

Family: Poaceae

Growth form: Graminoid

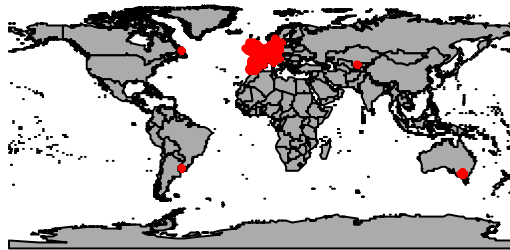
Native range: Europe, northern Africa, Atlantic Ocean Islands

Exotic range within Australia: VIC

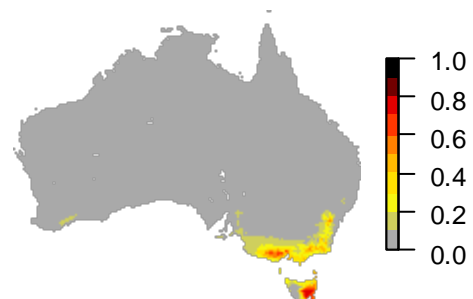
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 3

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable, and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Hordeum vulgare

Family: Poaceae

Growth form: Graminoid, Herb

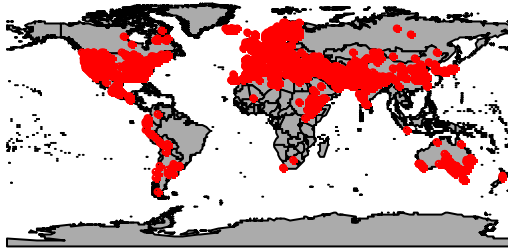
Native range: Mediterranean, Middle East, western Asia, central Asia, India, Pakistan, Bangladesh

Exotic range within Australia: ACT, NSW, NT, QLD, SA, TAS, VIC, WA

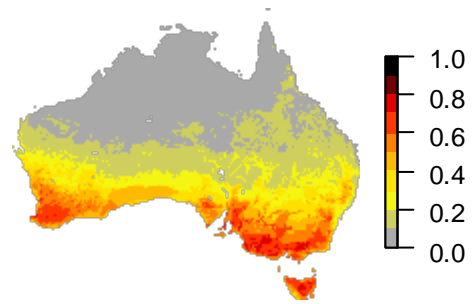
Dispersal mode: ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 74

Observations



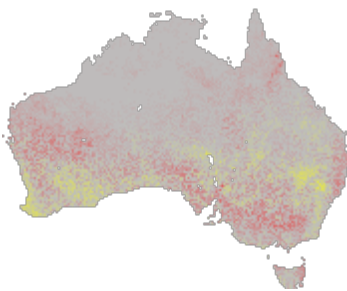
Current habitat suitability



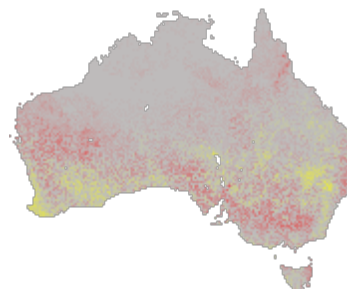
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

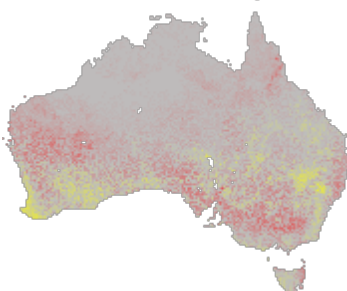
RCP4.5 2035



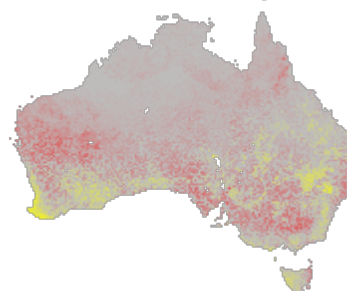
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Humulus lupulus

Family: Cannabaceae

Growth form: Herb, Vine

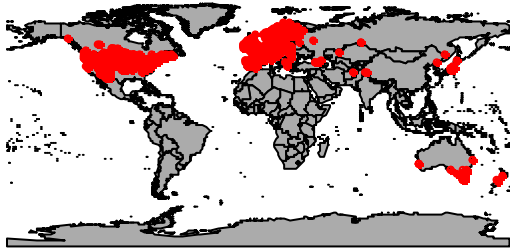
Native range: United States, Mediterranean, Europe, Asia

Exotic range within Australia: NSW, SA, TAS, VIC, WA

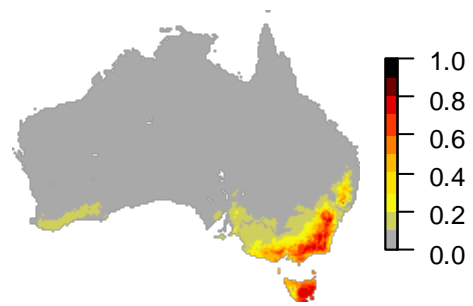
Dispersal mode: ABIOTIC - wind; ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 29

Observations



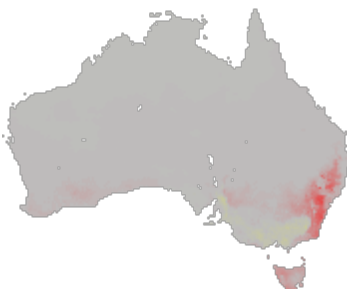
Current habitat suitability



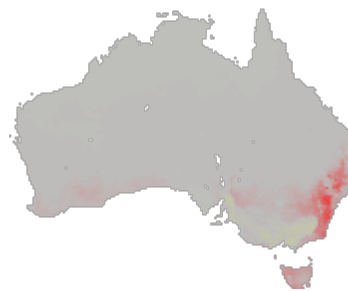
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

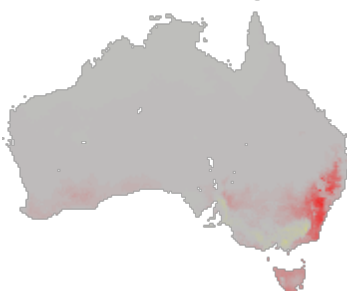
RCP4.5 2035



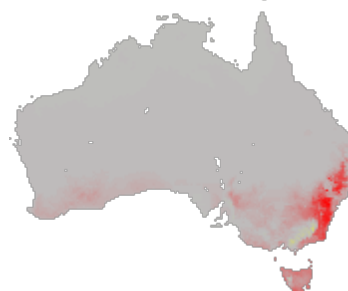
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Hylocereus undatus

Family: Cactaceae

Growth form: Succulent, Vine

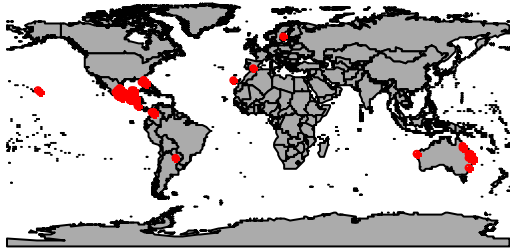
Native range: Central America, Mexico

Exotic range within Australia: NSW, QLD, WA

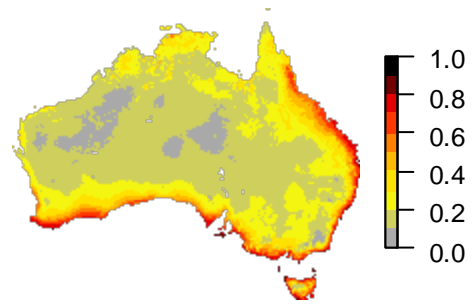
Dispersal mode: ABIOTIC - garden waste

Gridded observations in Australia (excluding cultivated): 21

Observations



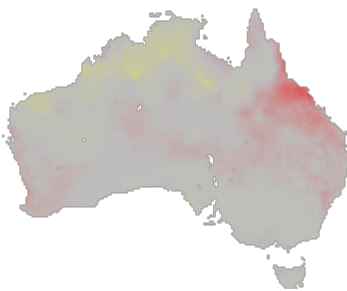
Current habitat suitability



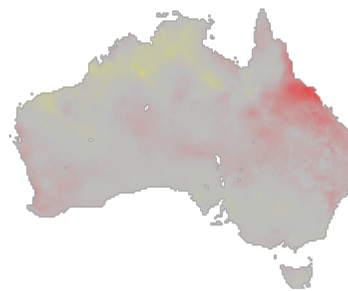
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

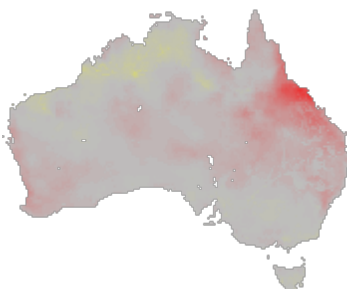
RCP4.5 2035



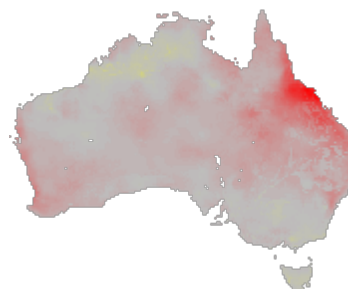
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Hypericum humifusum

Family: Hypericaceae

Growth form: Herb

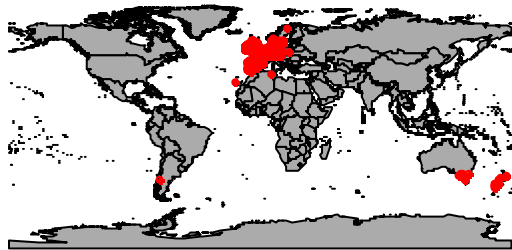
Native range: Europe

Exotic range within Australia: TAS, VIC

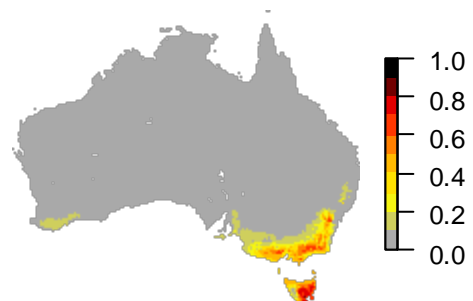
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 14

Observations



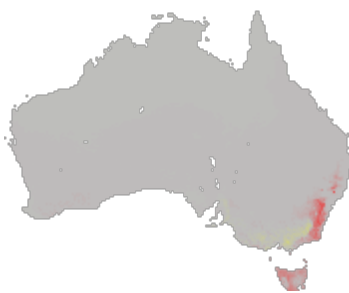
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

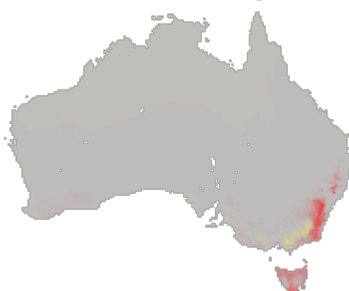
RCP4.5 2035



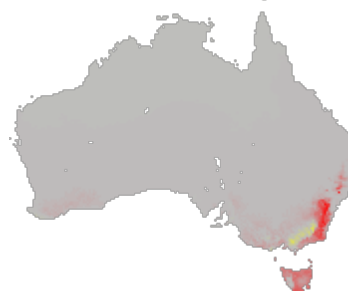
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Hyptis spicigera

Family: Lamiaceae

Growth form: Shrub

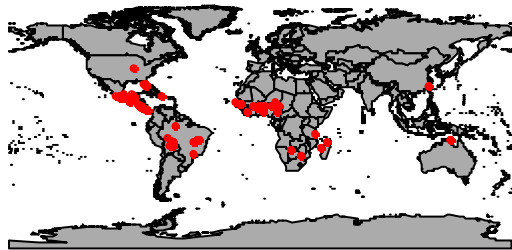
Native range: Central America, Mexico

Exotic range within Australia: NT

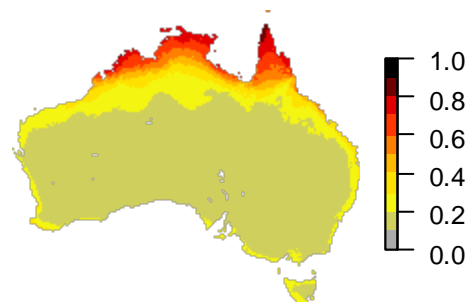
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 6

Observations



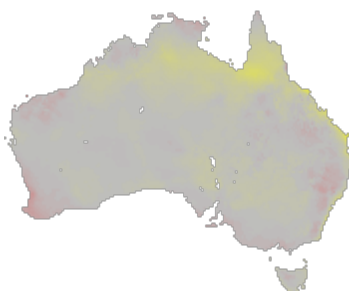
Current habitat suitability



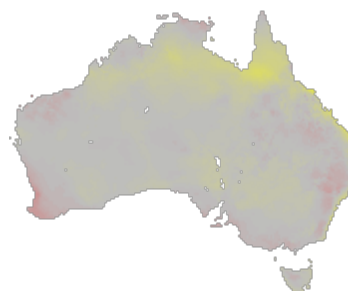
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

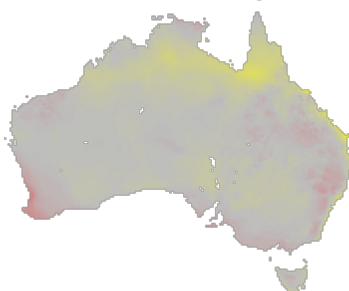
RCP4.5 2035



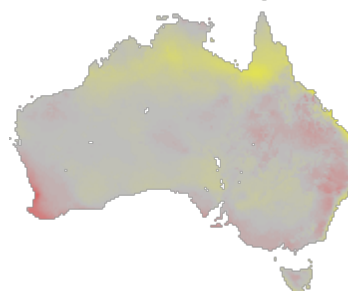
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Indigofera spicata

Family: Fabaceae

Growth form: Herb

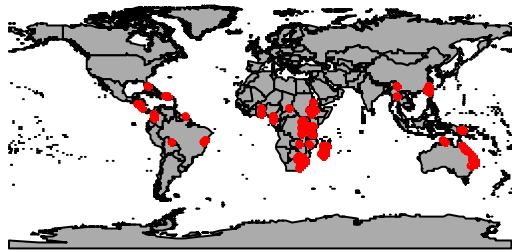
Native range: Africa, Middle East, Asia

Exotic range within Australia: NSW, NT, QLD

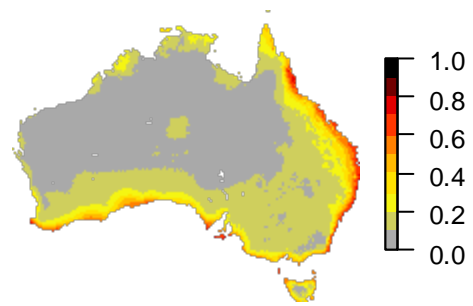
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 54

Observations



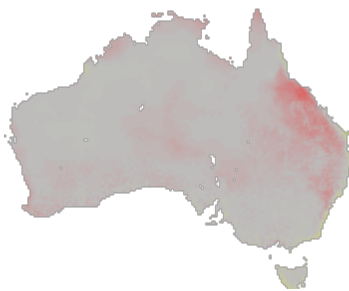
Current habitat suitability



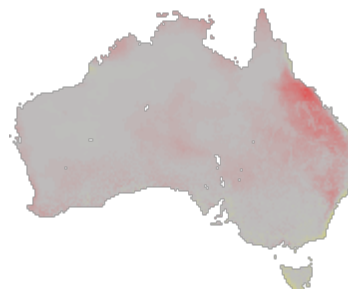
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

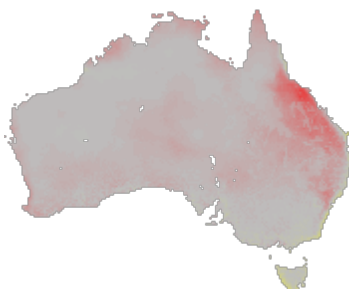
RCP4.5 2035



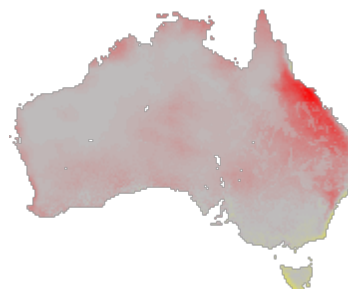
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Indigofera tinctoria

Family: Fabaceae

Growth form: Herb, Shrub

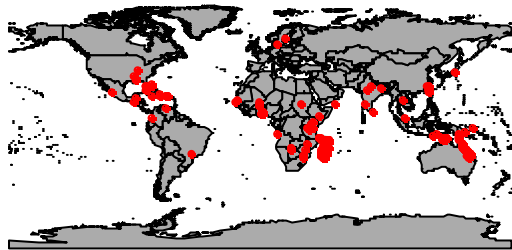
Native range: Africa, Asia

Exotic range within Australia: NT, QLD

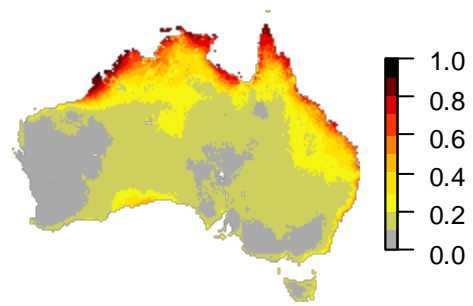
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 146

Observations



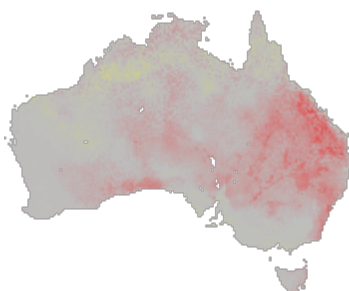
Current habitat suitability



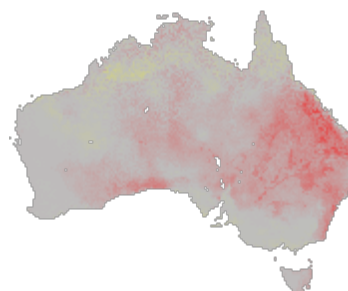
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

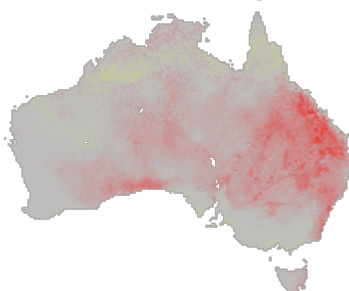
RCP4.5 2035



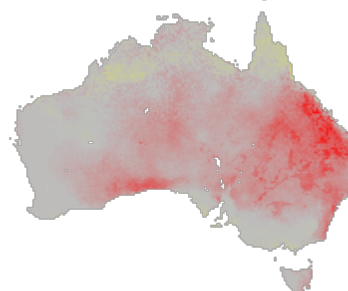
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea aquatica

Family: Convolvulaceae

Growth form: Herb, Vine

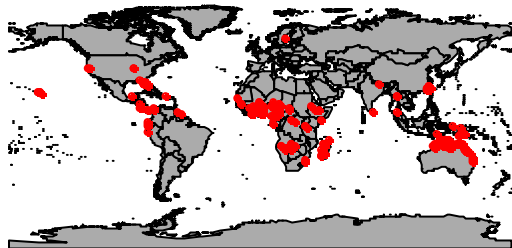
Native range: Asia, Central America, Mexico, South America, Africa

Exotic range within Australia: NT, QLD, WA, Indian Ocean offshore islands

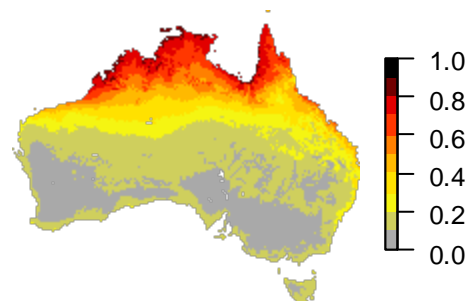
Dispersal mode: ABIOTIC - water

Gridded observations in Australia (excluding cultivated): 127

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

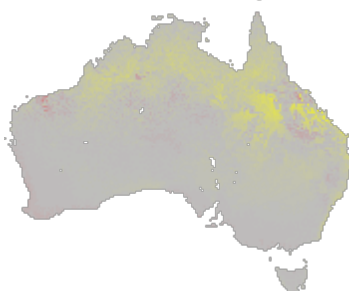
RCP4.5 2035



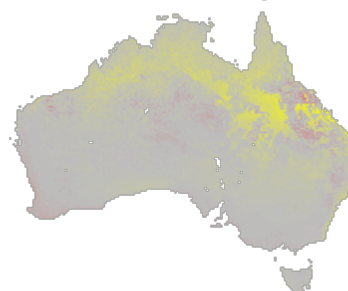
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea batatas

Family: Convolvulaceae

Growth form: Vine

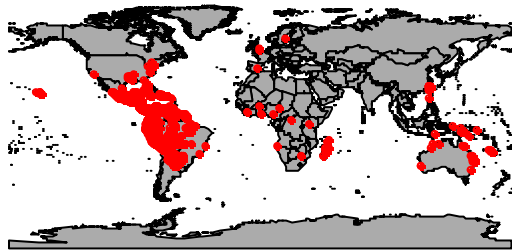
Native range: Not available

Exotic range within Australia: NSW, QLD, WA, Indian Ocean offshore islands

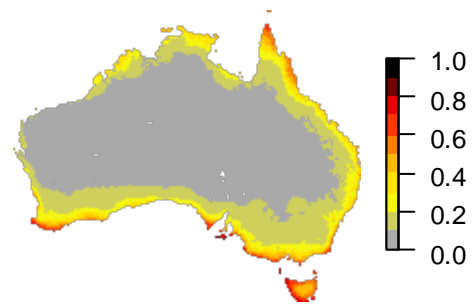
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 24

Observations



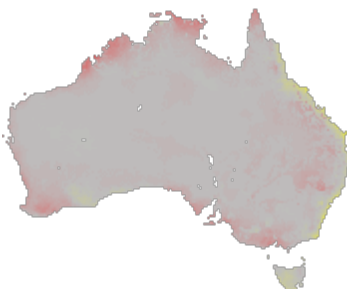
Current habitat suitability



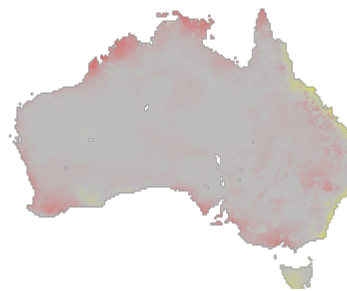
Future change in suitability

Yellow is decreasing grey is stable, and red is increasing

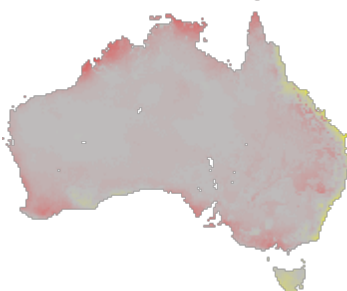
RCP4.5 2035



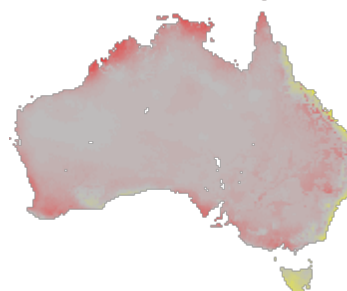
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea carnea

Family: Convolvulaceae

Growth form: Shrub

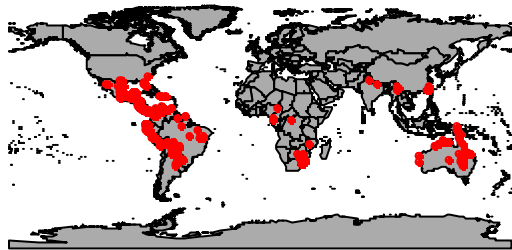
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, NT, QLD, SA, WA

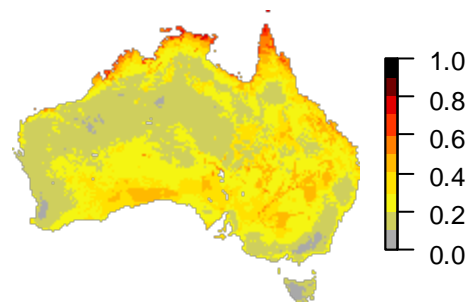
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 29

Observations



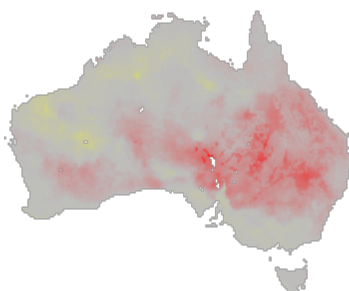
Current habitat suitability



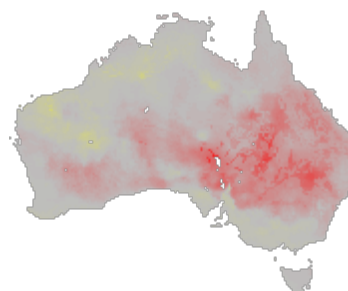
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

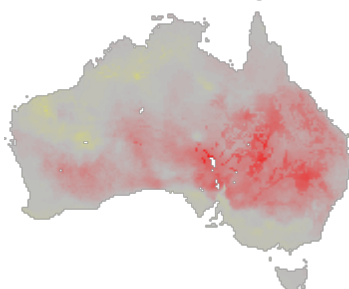
RCP4.5 2035



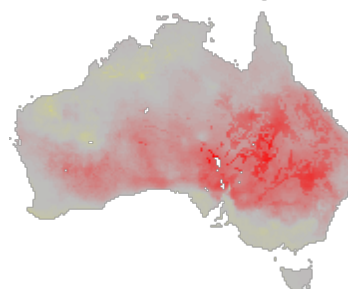
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea grandifolia

Family: Convolvulaceae

Growth form: Vine

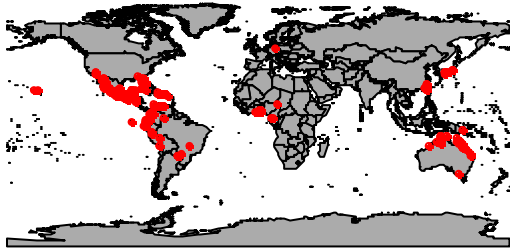
Native range: Not available

Exotic range within Australia: QLD, WA, NT, VIC

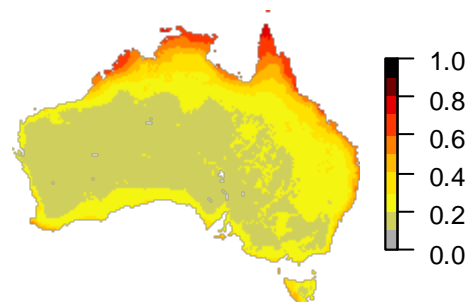
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 7

Observations



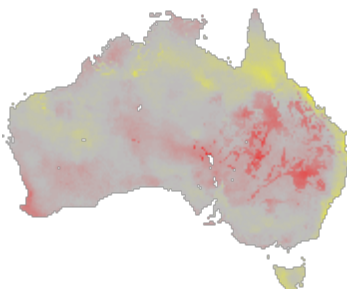
Current habitat suitability



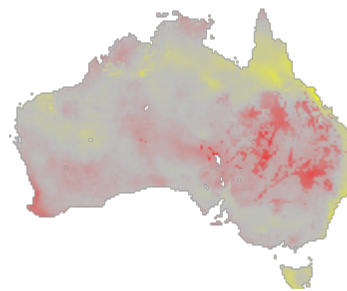
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

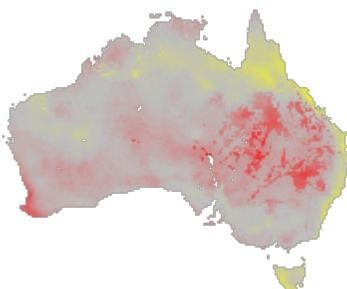
RCP4.5 2035



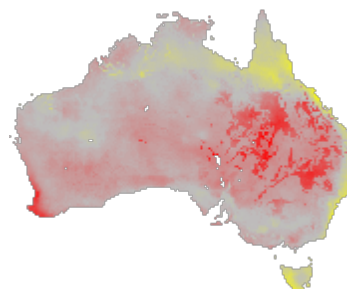
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea hederifolia

Family: Convolvulaceae

Growth form: Vine

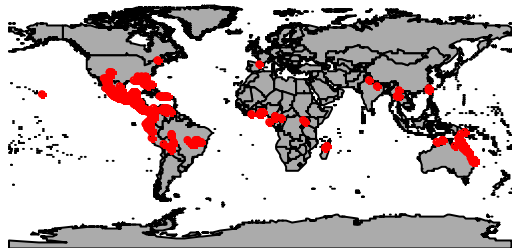
Native range: Central America, Mexico , South America

Exotic range within Australia: NSW, NT, QLD, WA, Indian Ocean offshore islands

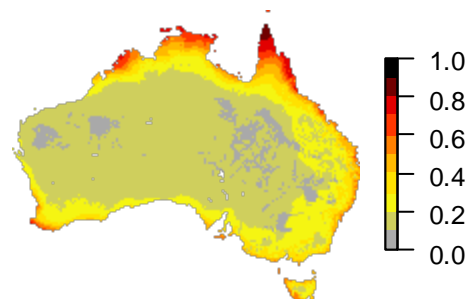
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 142

Observations



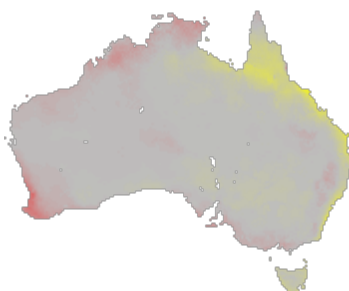
Current habitat suitability



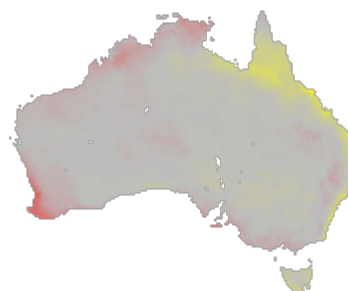
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

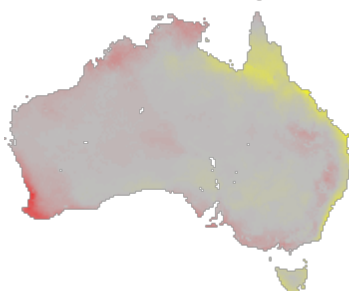
RCP4.5 2035



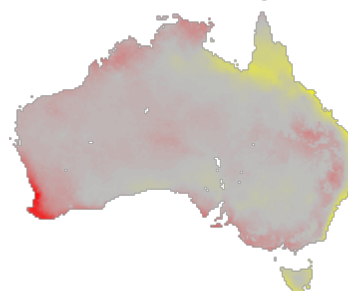
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea mauritiana

Family: Convolvulaceae

Growth form: Herb

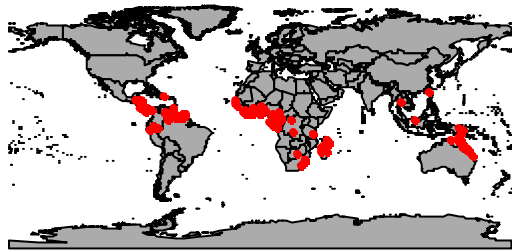
Native range: South America

Exotic range within Australia: QLD, NT

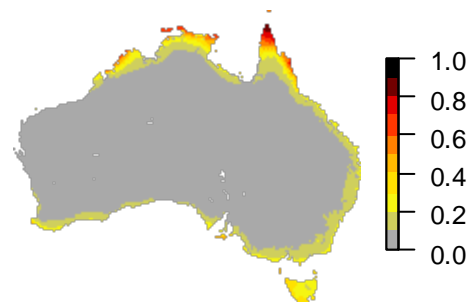
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 88

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea nil

Family: Convolvulaceae

Growth form: Herb, Vine

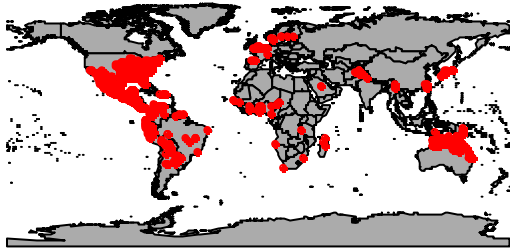
Native range: Not available

Exotic range within Australia: QLD, WA, NT

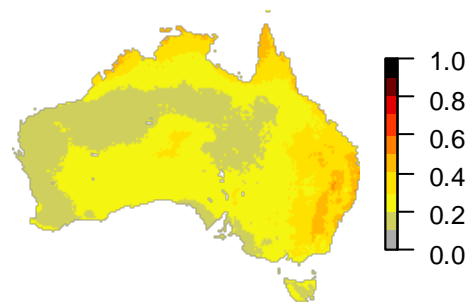
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 229

Observations



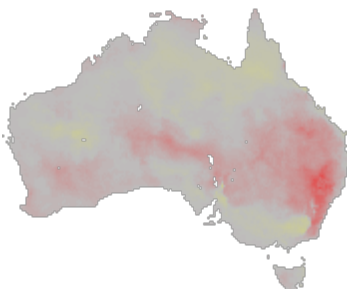
Current habitat suitability



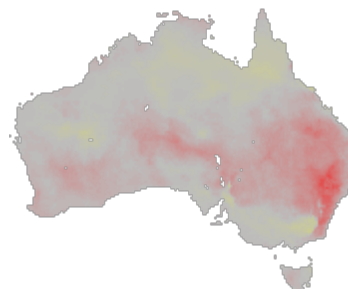
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

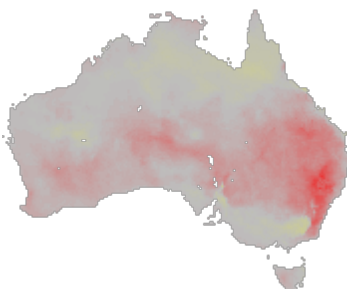
RCP4.5 2035



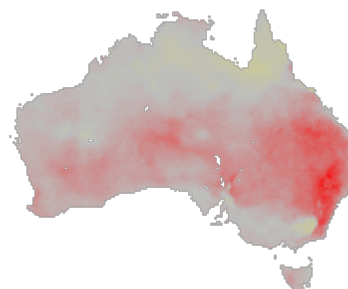
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea obscura

Family: Convolvulaceae

Growth form: Vine

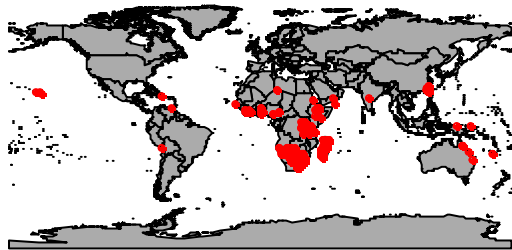
Native range: Pacific Ocean Islands, south-east Asia, Indian Ocean Islands, tropical east Africa

Exotic range within Australia: QLD

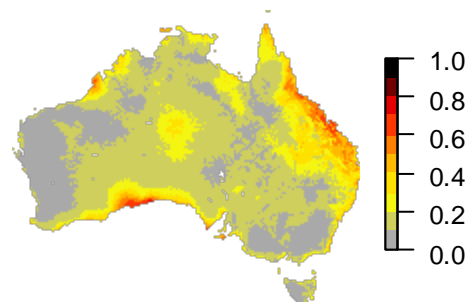
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 16

Observations



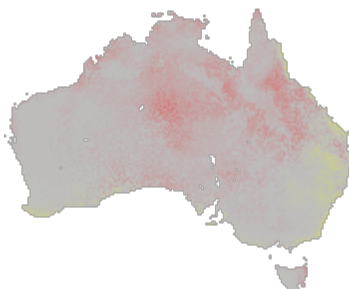
Current habitat suitability



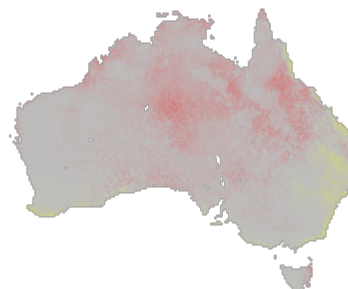
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

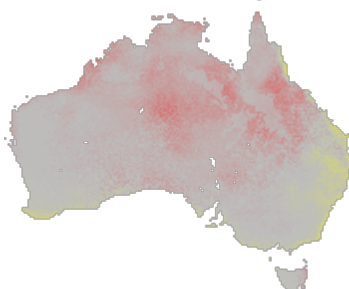
RCP4.5 2035



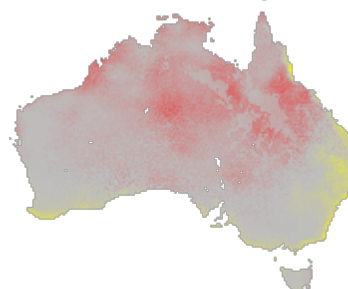
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea pandurata

Family: Convolvulaceae

Growth form: Vine

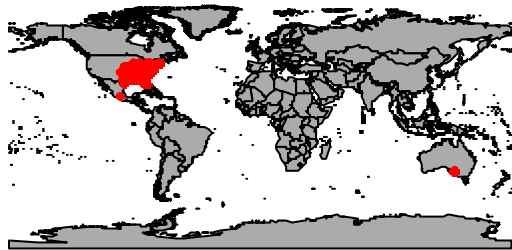
Native range: North America

Exotic range within Australia: SA

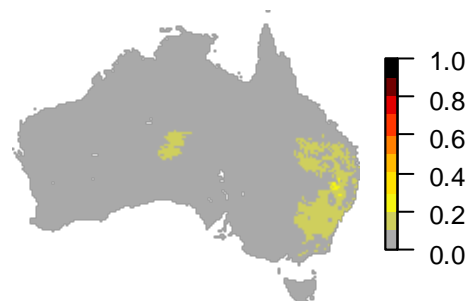
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 3

Observations



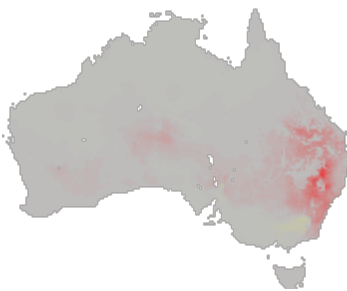
Current habitat suitability



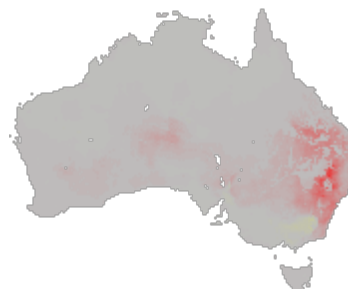
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

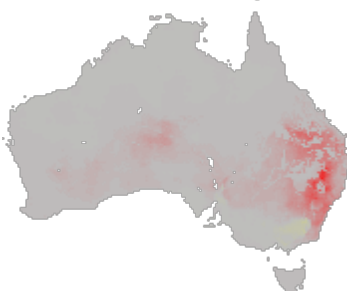
RCP4.5 2035



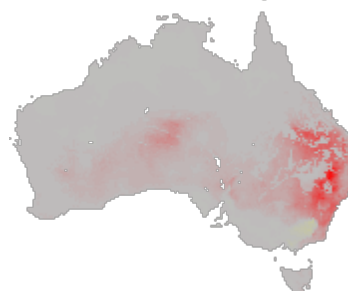
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ipomoea quamoclit

Family: Convolvulaceae

Growth form: Vine

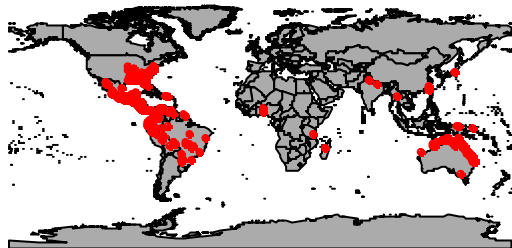
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, NT, QLD, VIC, WA, Indian Ocean offshore islands

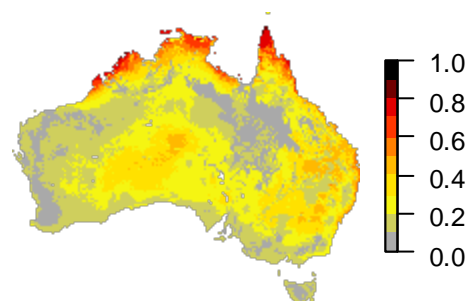
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 152

Observations



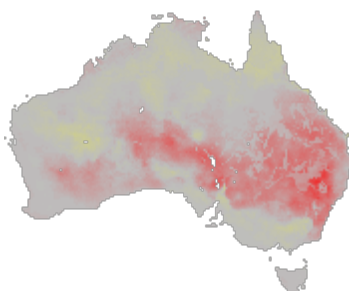
Current habitat suitability



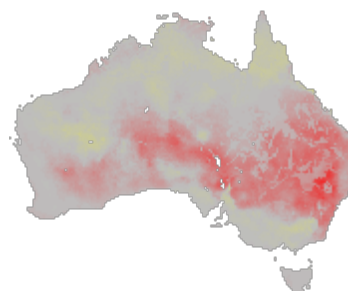
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

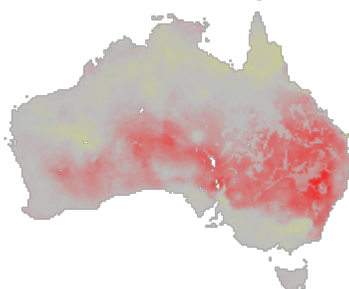
RCP4.5 2035



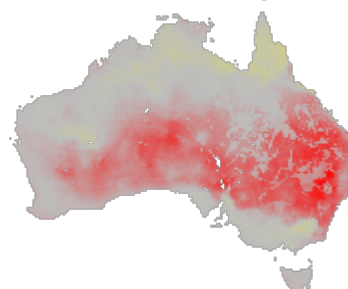
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Iris foetidissima

Family: Iridaceae

Growth form: Herb

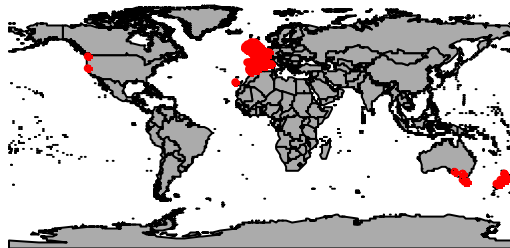
Native range: Europe, Africa, Atlantic Ocean Islands

Exotic range within Australia: SA, TAS, VIC

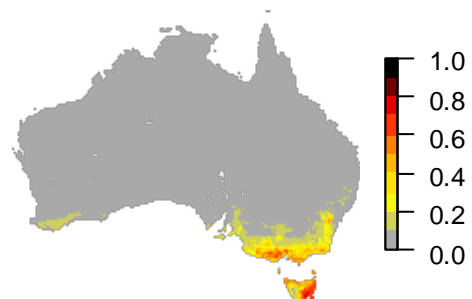
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 93

Observations



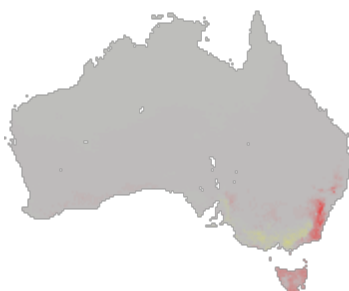
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

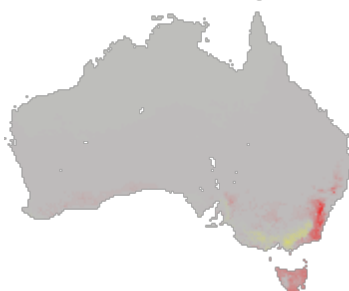
RCP4.5 2035



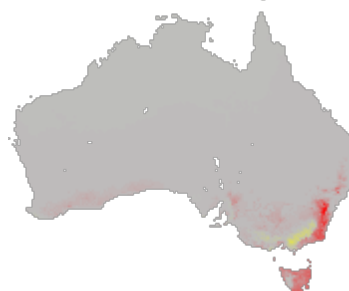
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Isolepis marginata

Family: Cyperaceae

Growth form: Graminoid, Herb

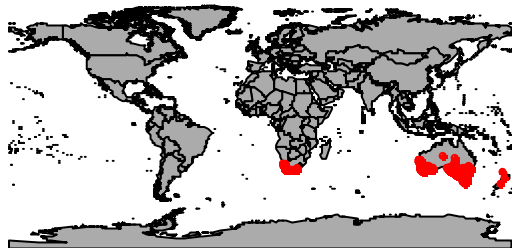
Native range: southern Africa

Exotic range within Australia: ACT, NSW, NT, SA, TAS, VIC, WA

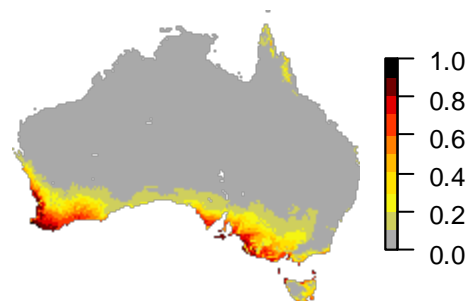
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 7

Observations



Current habitat suitability



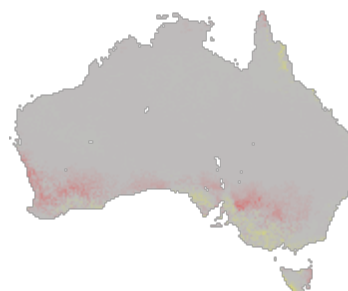
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

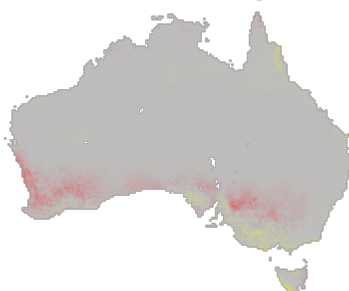
RCP4.5 2035



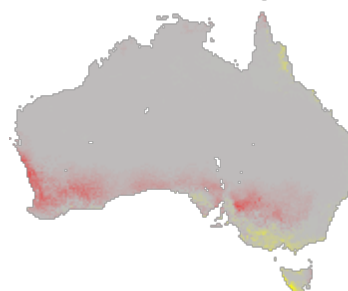
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus acuminatus

Family: Juncaceae

Growth form: Herb

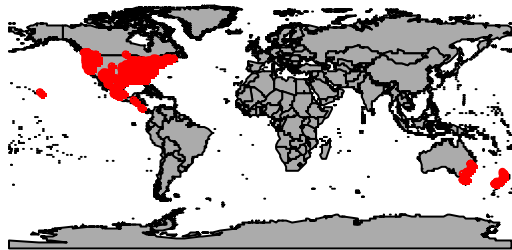
Native range: North America, Central America, Mexico

Exotic range within Australia: NSW, TAS, VIC

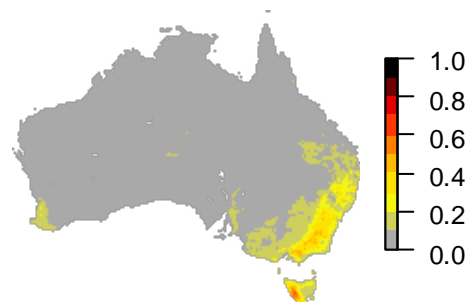
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 1137

Observations



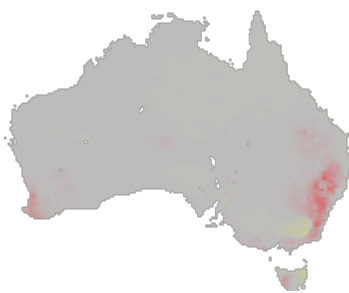
Current habitat suitability



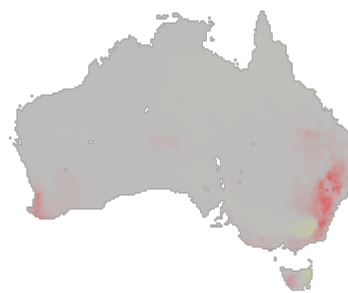
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

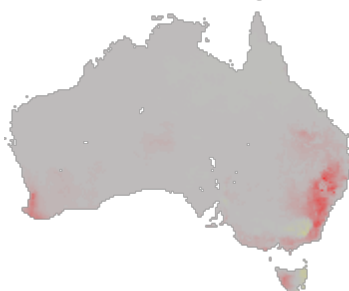
RCP4.5 2035



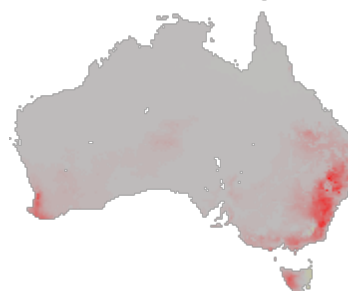
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus bulbosus

Family: Juncaceae

Growth form: Herb

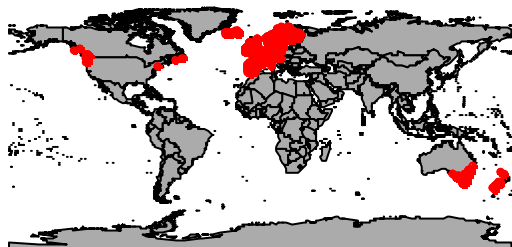
Native range: Europe, Africa

Exotic range within Australia: NSW, SA, TAS, VIC

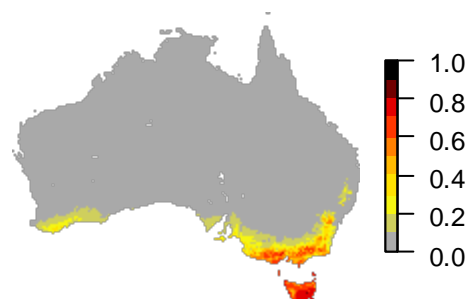
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 33

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus canadensis

Family: Juncaceae

Growth form: Graminoid

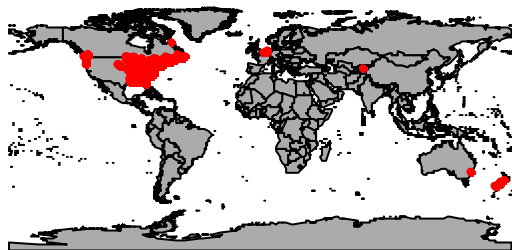
Native range: North America

Exotic range within Australia: NSW

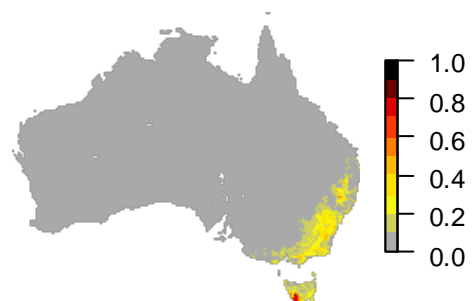
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 234

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus capitatus

Family: Juncaceae

Growth form: Graminoid, Herb

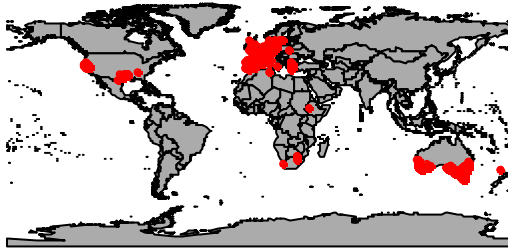
Native range: Europe

Exotic range within Australia: ACT, NSW, SA, TAS, VIC, WA

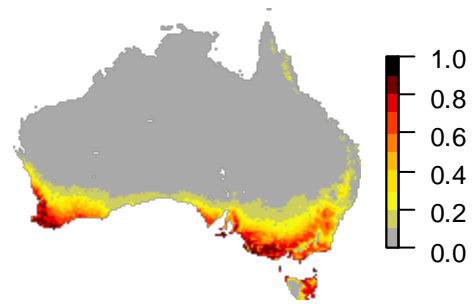
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 9

Observations



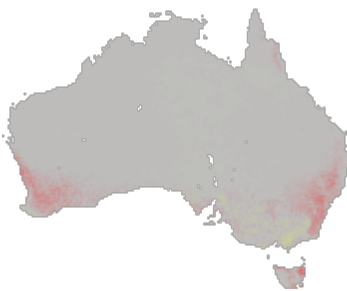
Current habitat suitability



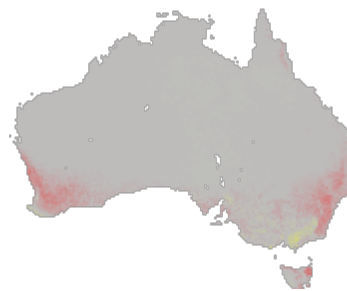
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

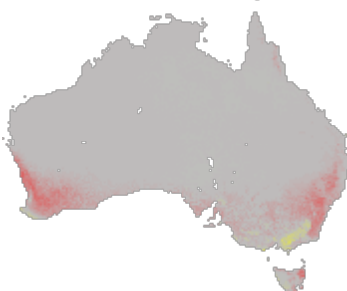
RCP4.5 2035



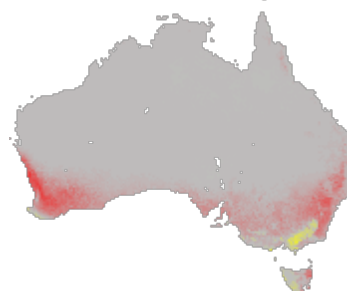
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus conglomeratus

Family: Juncaceae

Growth form: Graminoid

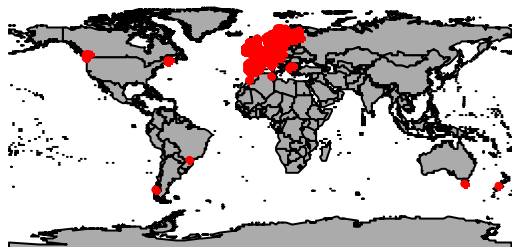
Native range: Mediterranean, Middle East, Europe

Exotic range within Australia: TAS

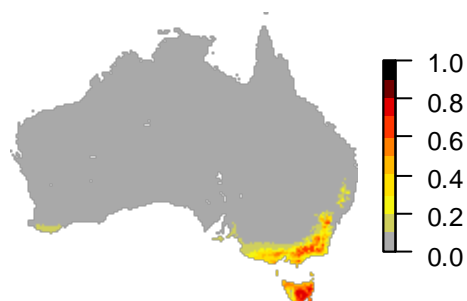
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 511

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus fontanesii

Family: Juncaceae

Growth form: Graminoid

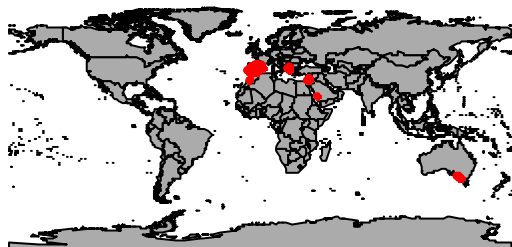
Native range: Europe

Exotic range within Australia: VIC

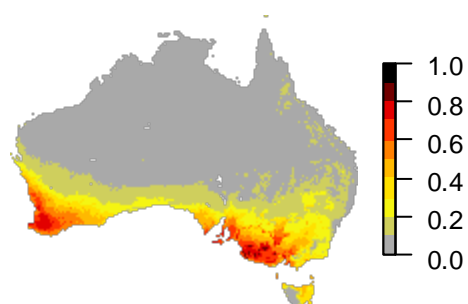
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 7

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



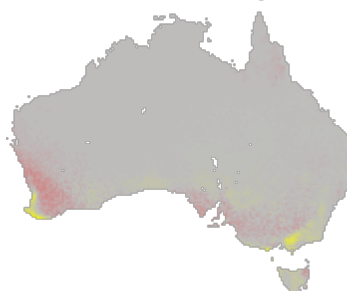
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus inflexus

Family: Juncaceae

Growth form: Graminoid, Herb

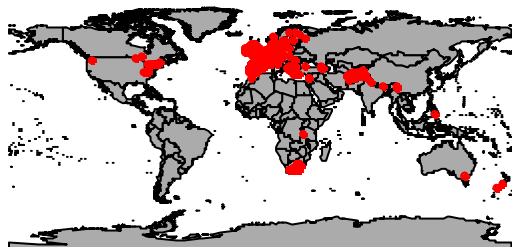
Native range: Africa, Asia, India, Pakistan, Bangladesh, Europe, Atlantic Ocean Islands

Exotic range within Australia: VIC

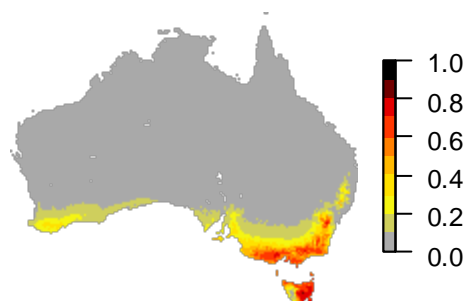
Dispersal mode: ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 9

Observations



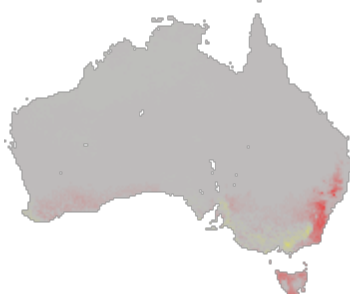
Current habitat suitability



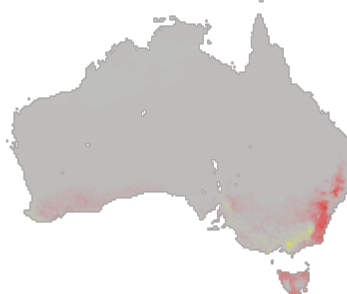
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

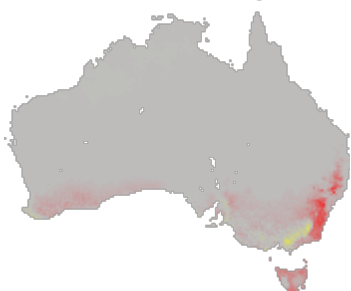
RCP4.5 2035



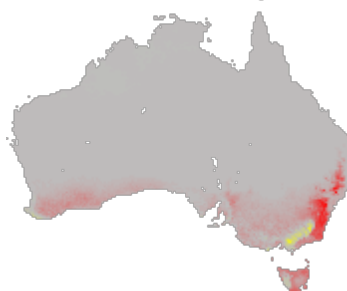
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus microcephalus

Family: Juncaceae

Growth form: Herb

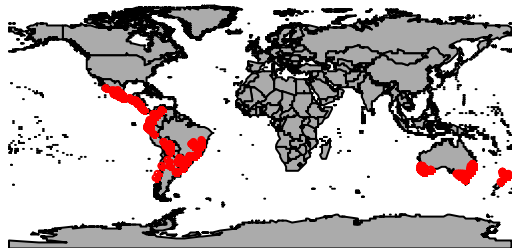
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, VIC, TAS, WA

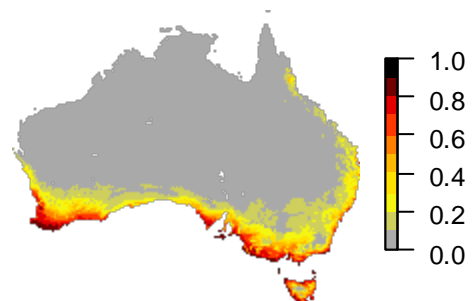
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 11

Observations



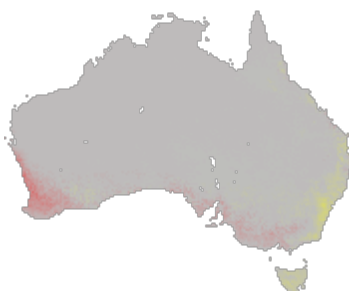
Current habitat suitability



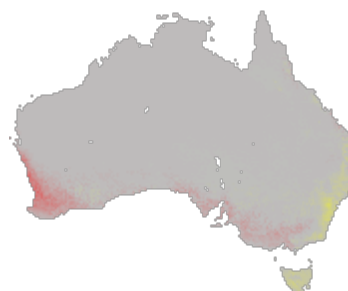
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

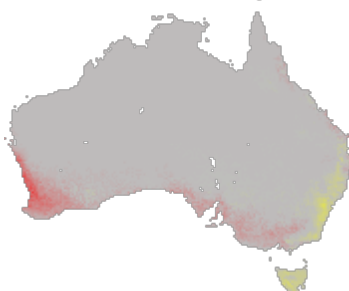
RCP4.5 2035



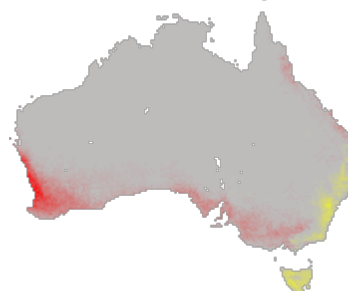
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Juncus tenuis

Family: Juncaceae

Growth form: Graminoid

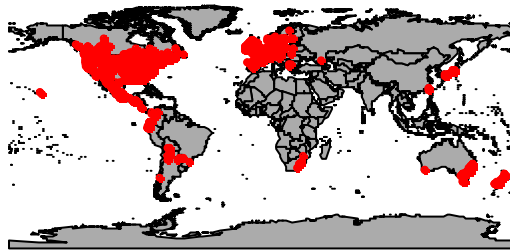
Native range: North America, Central America, South America, Europe

Exotic range within Australia: ACT, NSW, TAS, VIC, WA

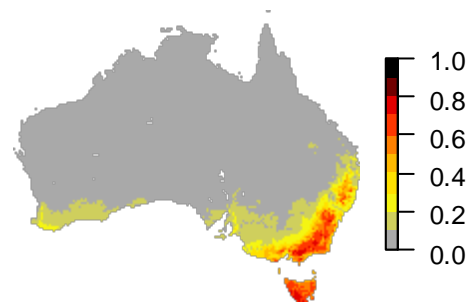
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 206

Observations



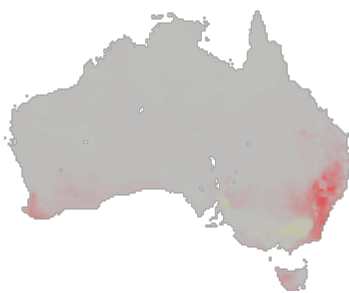
Current habitat suitability



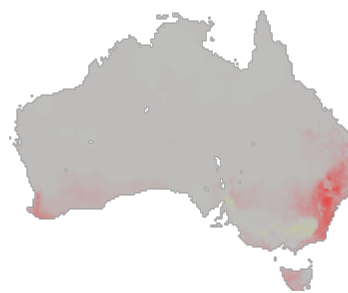
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

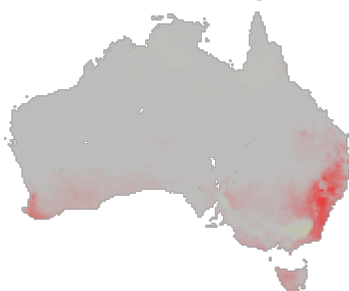
RCP4.5 2035



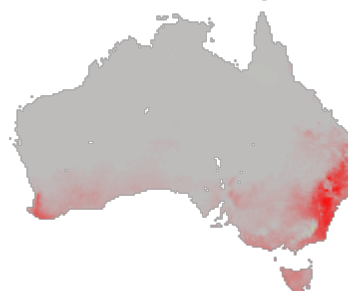
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Kniphofia uvaria

Family: Asphodelaceae

Growth form: Herb

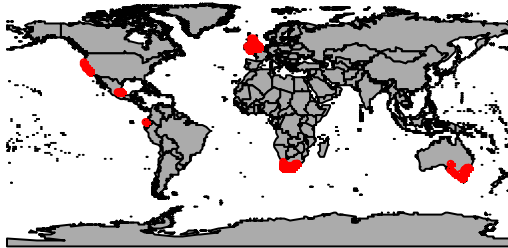
Native range: southern Africa

Exotic range within Australia: NSW, SA, TAS, VIC

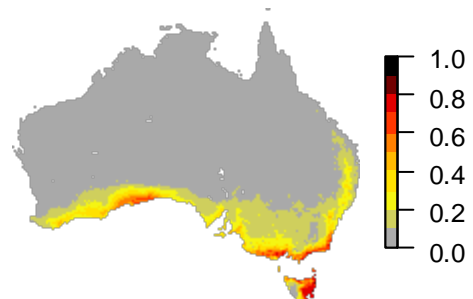
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 143

Observations



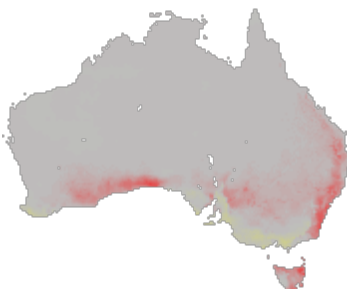
Current habitat suitability



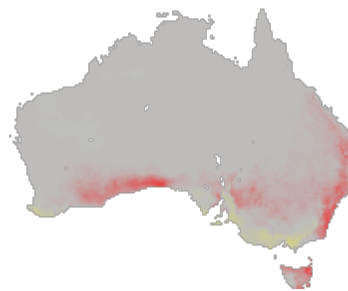
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

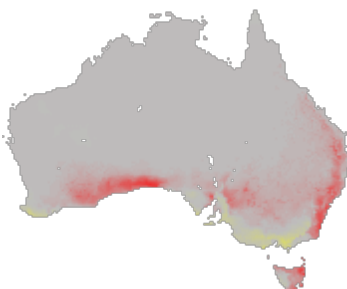
RCP4.5 2035



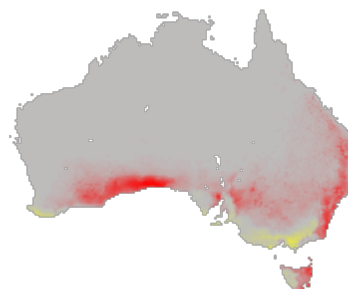
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Koeleria macrantha

Family: Poaceae

Growth form: Graminoid

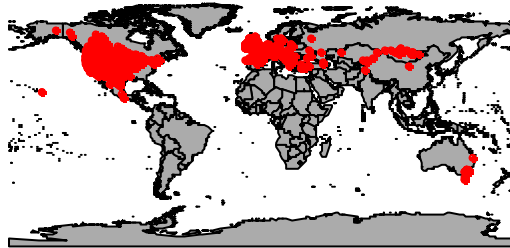
Native range: western Asia, central Asia, India, Pakistan, Bangladesh, Europe, United States

Exotic range within Australia: ACT, NSW, QLD, TAS, VIC

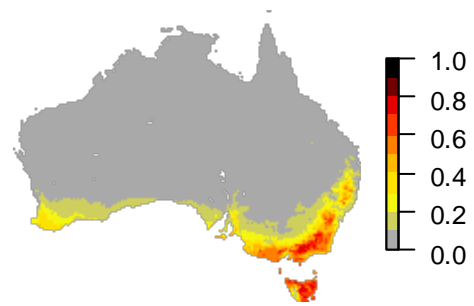
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 19

Observations



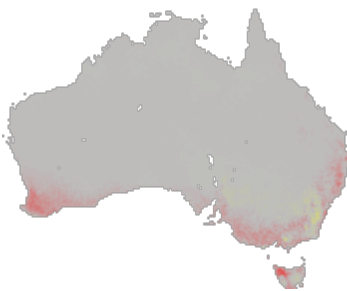
Current habitat suitability



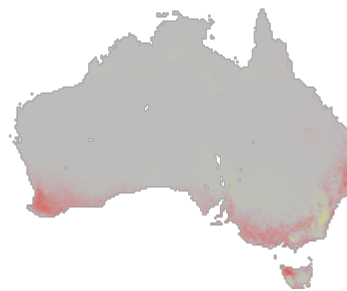
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

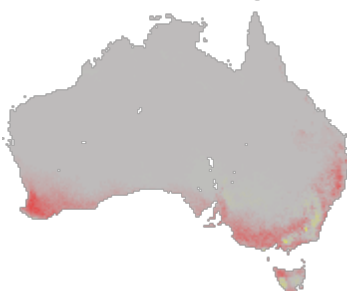
RCP4.5 2035



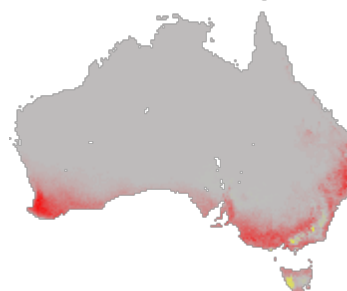
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lablab purpureus

Family: Fabaceae

Growth form: Vine

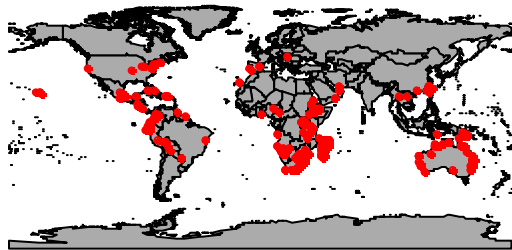
Native range: Asia, Indian Ocean Islands, Africa

Exotic range within Australia: NSW, NT, QLD, SA, WA, Pacific offshore islands, Indian Ocean offshore islands

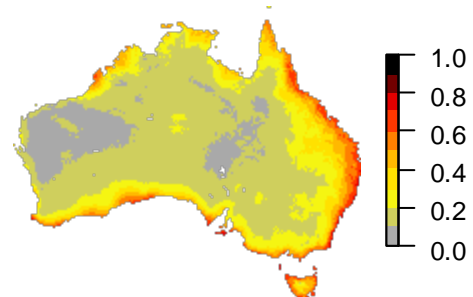
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 26

Observations



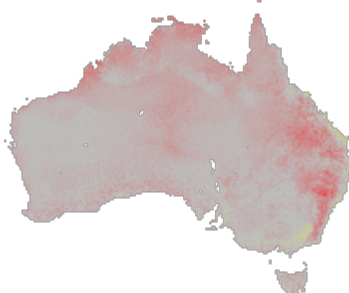
Current habitat suitability



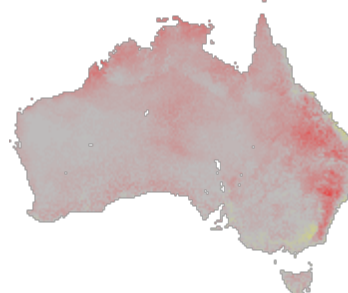
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

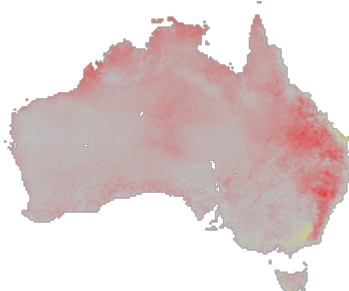
RCP4.5 2035



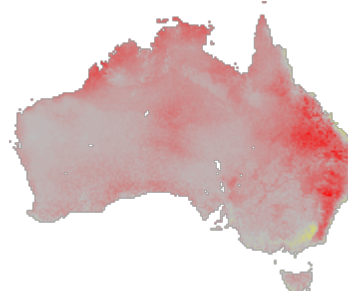
RCP8.5 2035



RCP4.5 2035



RCP8.5 2065



Lamarckia aurea

Family: Poaceae

Growth form: Graminoid

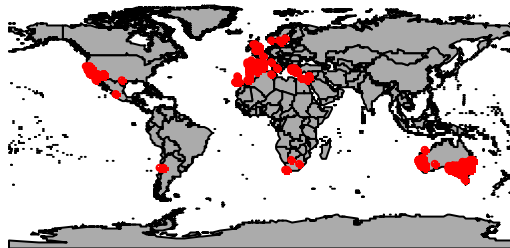
Native range: northern Africa and islands, southern Europe, Middle East, Atlantic Ocean Islands

Exotic range within Australia: NSW, QLD, SA, TAS, VIC, WA

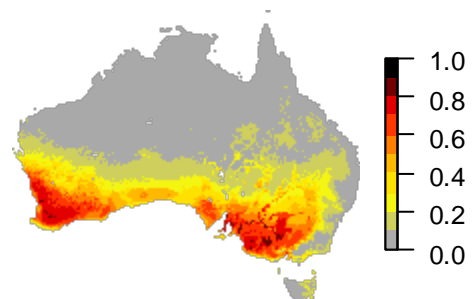
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 56

Observations



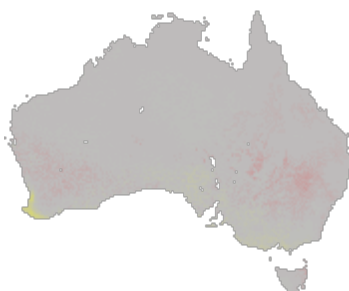
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

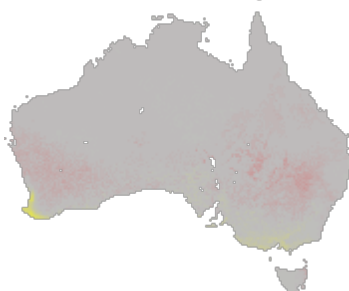
RCP4.5 2035



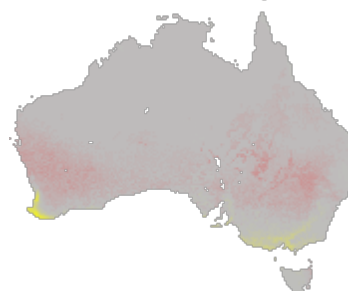
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lathyrus angulatus

Family: Fabaceae

Growth form: Herb

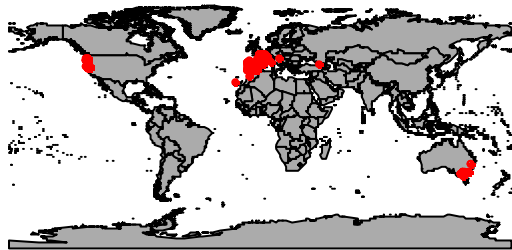
Native range: Africa, Europe, Mediterranean

Exotic range within Australia: ACT, NSW, VIC

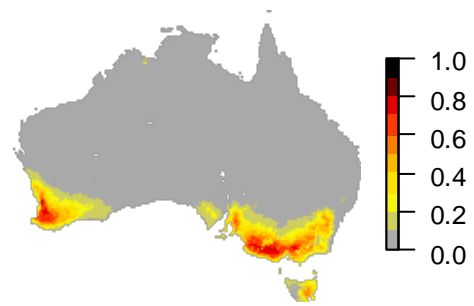
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 402

Observations



Current habitat suitability



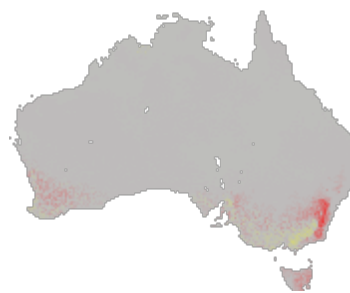
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

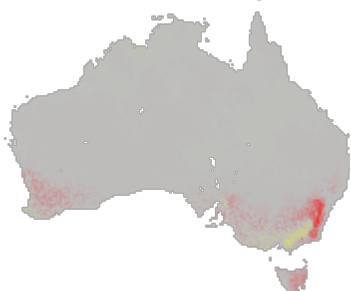
RCP4.5 2035



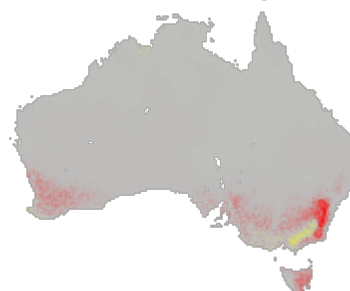
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lathyrus latifolius

Family: Fabaceae

Growth form: Herb

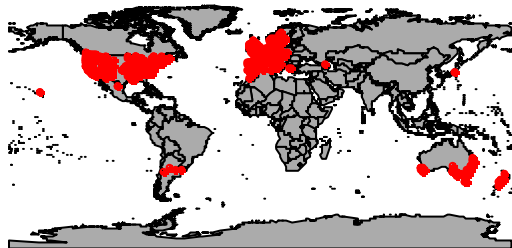
Native range: Mediterranean, Europe, northern Africa

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC, WA, Pacific offshore islands

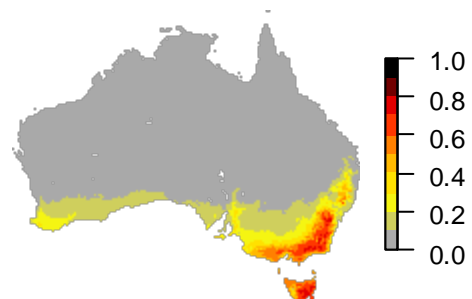
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 39

Observations



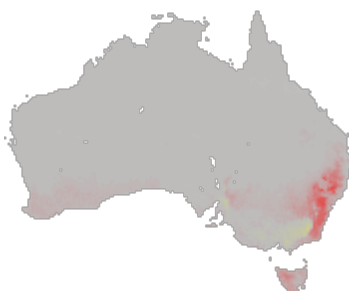
Current habitat suitability



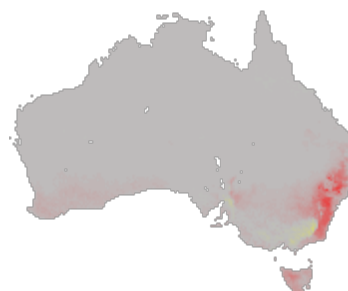
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

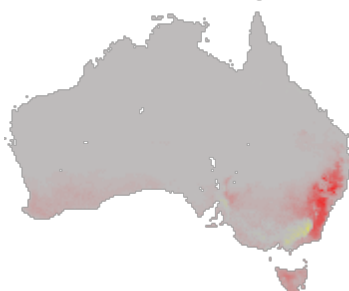
RCP4.5 2035



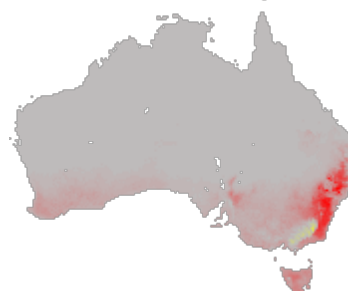
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lathyrus nissolia

Family: Fabaceae

Growth form: Herb

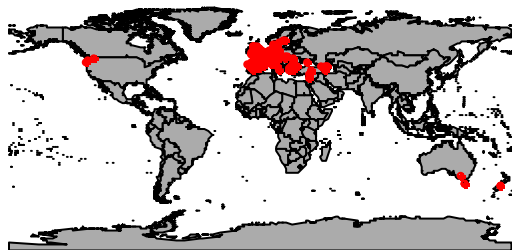
Native range: Africa, Middle East, Europe

Exotic range within Australia: TAS, VIC

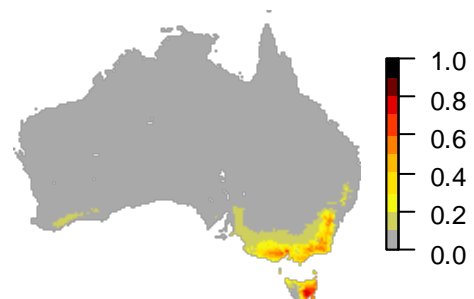
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 80

Observations



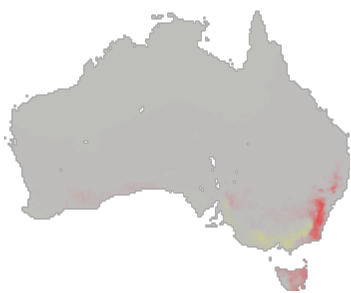
Current habitat suitability



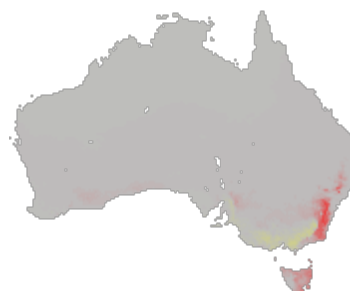
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

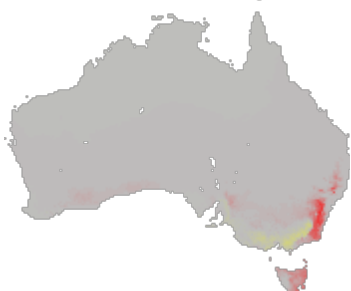
RCP4.5 2035



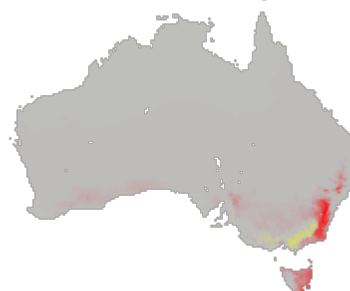
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lathyrus odoratus

Family: Fabaceae

Growth form: Herb, Vine

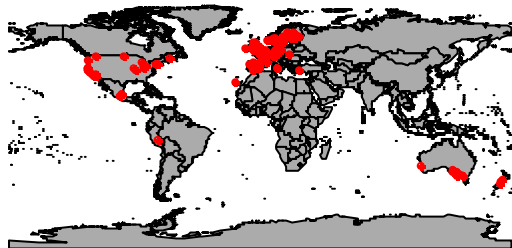
Native range: Europe

Exotic range within Australia: SA, VIC, WA

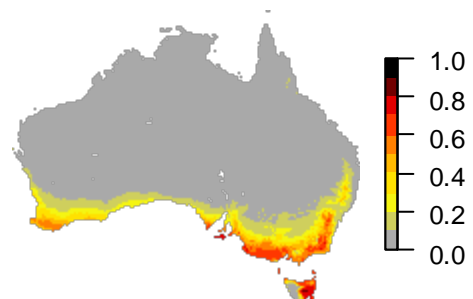
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 8

Observations



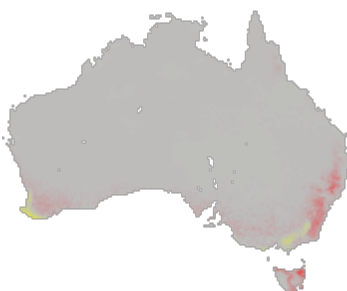
Current habitat suitability



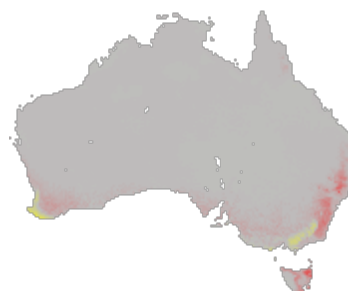
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

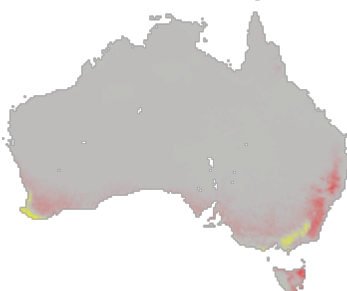
RCP4.5 2035



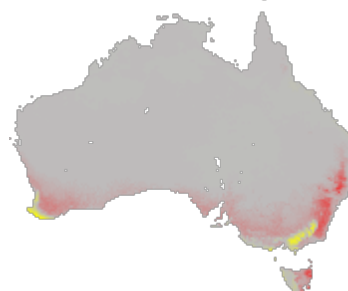
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lepidium sativum

Family: Brassicaceae

Growth form: Herb

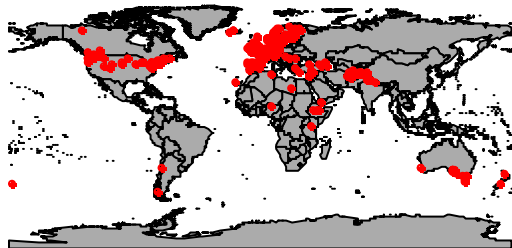
Native range: Middle East, northern Africa

Exotic range within Australia: SA, TAS, VIC, WA

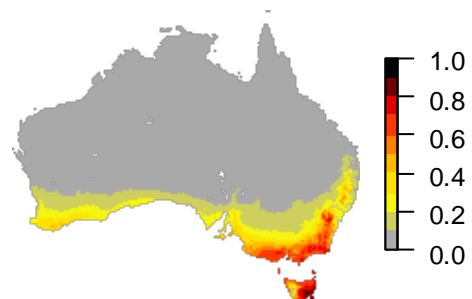
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 16

Observations



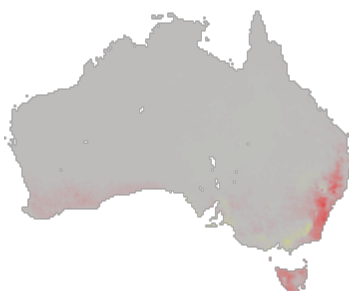
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

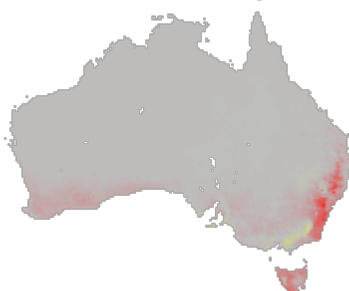
RCP4.5 2035



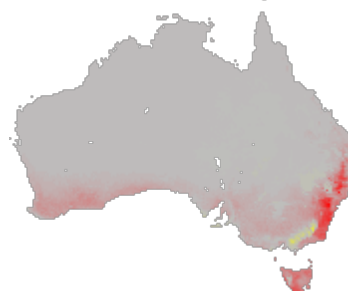
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lippia alba

Family: Verbenaceae

Growth form: Shrub

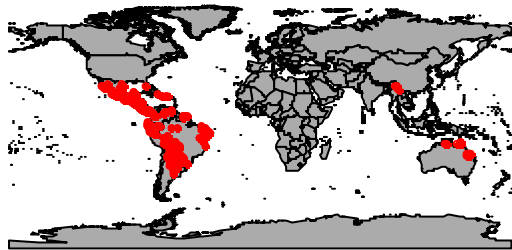
Native range: North America, South America, Central America

Exotic range within Australia: NT, QLD

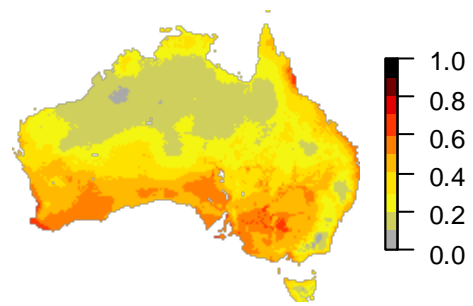
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 21

Observations



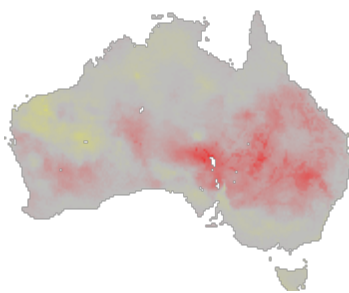
Current habitat suitability



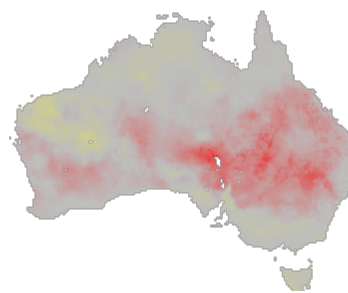
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

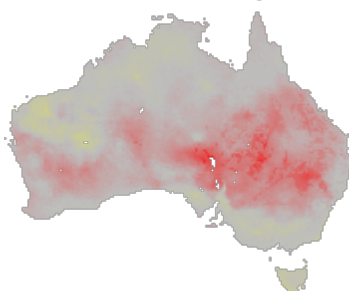
RCP4.5 2035



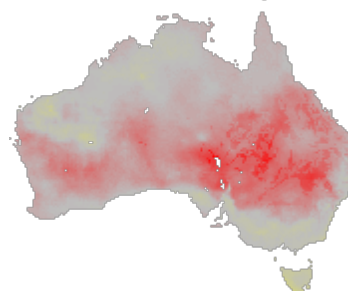
RCP8.5 2035



RCP4.5 2035



RCP8.5 2065



Lonicera periclymenum

Family: Caprifoliaceae

Growth form: Vine

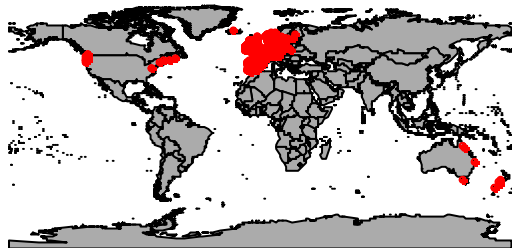
Native range: Not available

Exotic range within Australia: TAS, NSW, QLD

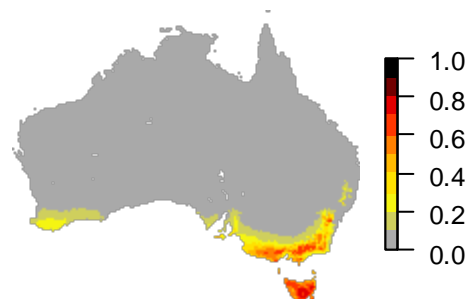
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 32

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

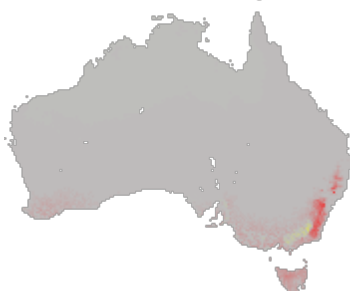
RCP4.5 2035



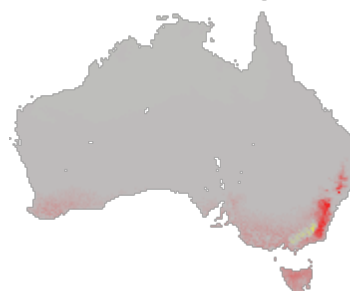
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Lycium barbarum

Family: Solanaceae

Growth form: Shrub

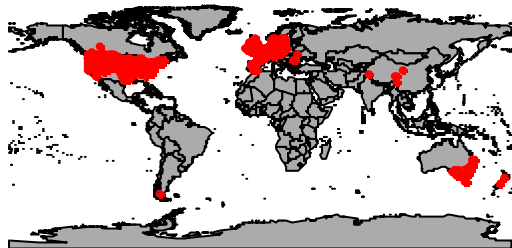
Native range: China

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC

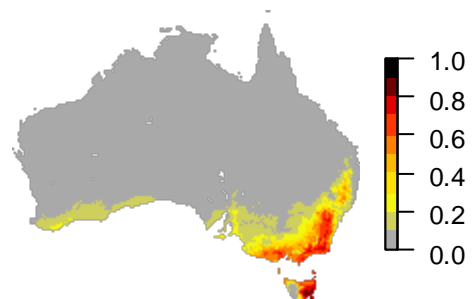
Dispersal mode: ABIOTIC - vehicles, garden waste

Gridded observations in Australia (excluding cultivated): 4

Observations



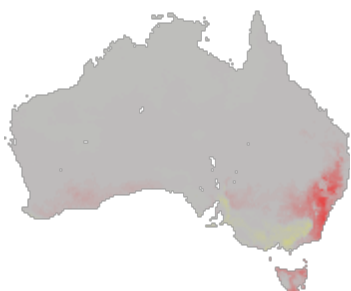
Current habitat suitability



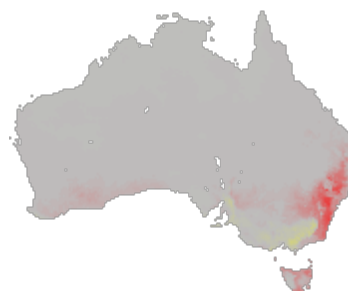
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

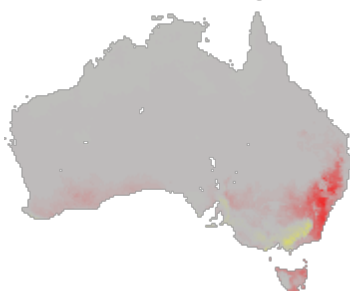
RCP4.5 2035



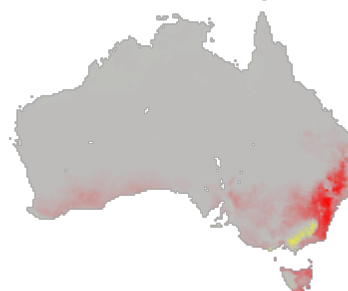
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Macroptilium lathyroides

Family: Fabaceae

Growth form: Herb

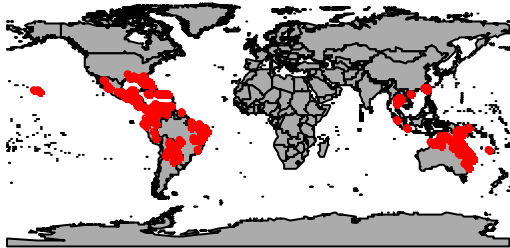
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, NT, QLD, WA

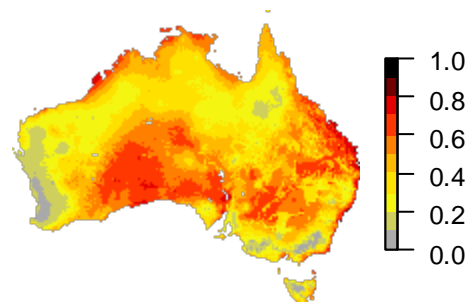
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 67

Observations



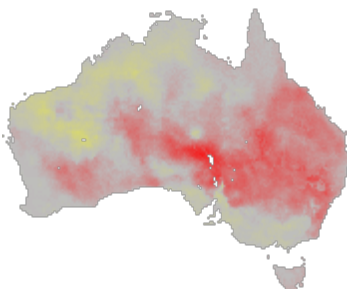
Current habitat suitability



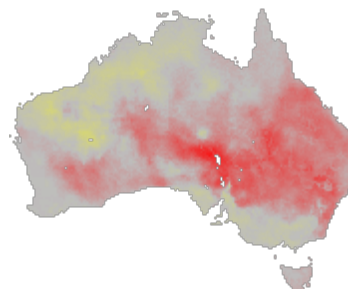
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

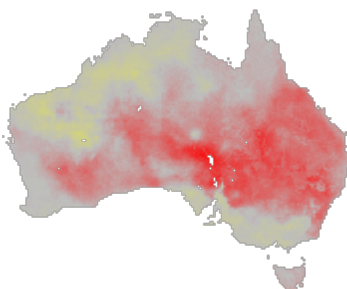
RCP4.5 2035



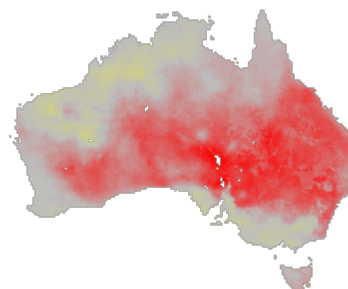
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Malva moschata

Family: Malvaceae

Growth form: Herb

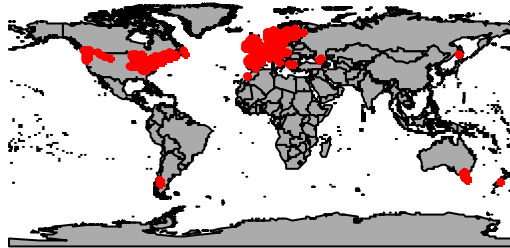
Native range: Europe

Exotic range within Australia: TAS, VIC

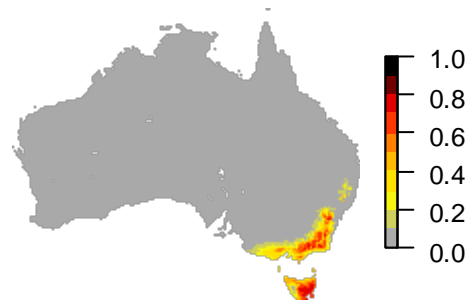
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 230

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Matthiola incana

Family: Brassicaceae

Growth form: Herb

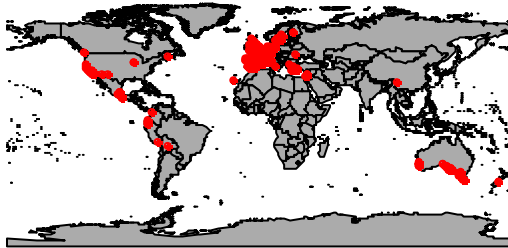
Native range: Mediterranean

Exotic range within Australia: SA, TAS, VIC, WA, Pacific offshore islands

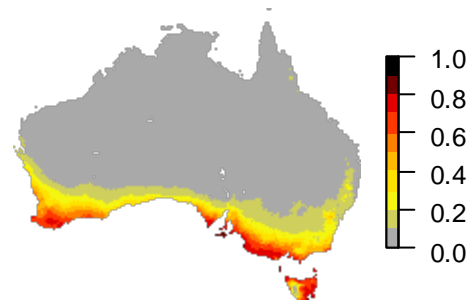
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 13

Observations



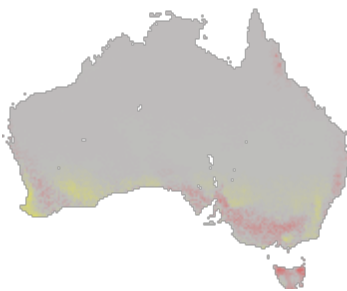
Current habitat suitability



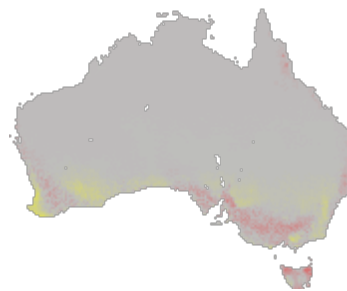
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

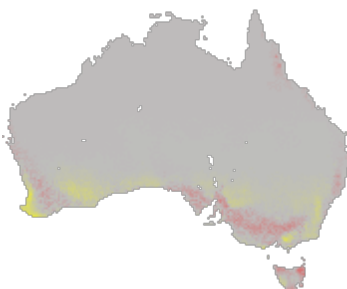
RCP4.5 2035



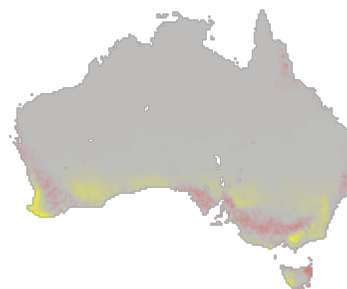
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Mecardonia procumbens

Family: Plantaginaceae

Growth form: Herb

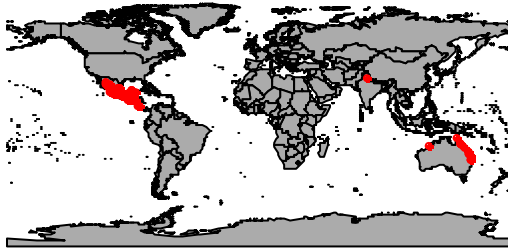
Native range: Not available

Exotic range within Australia: NSW, QLD, WA

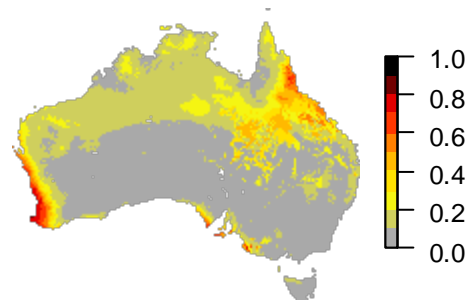
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 55

Observations



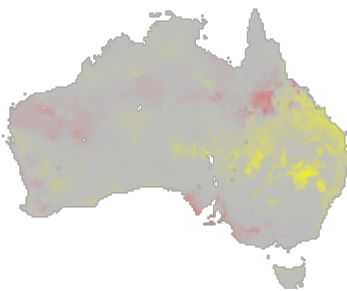
Current habitat suitability



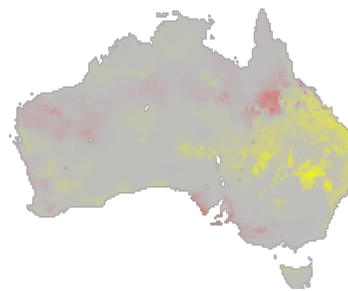
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

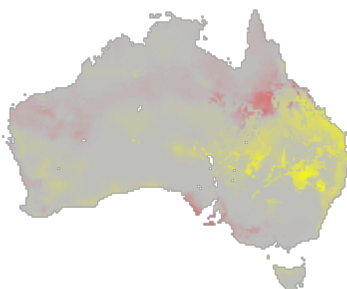
RCP4.5 2035



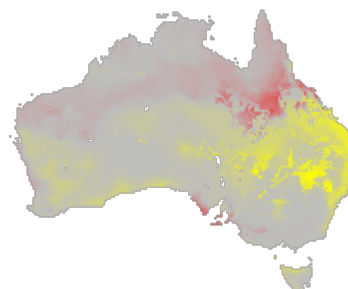
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Medicago arborea

Family: Fabaceae

Growth form: Shrub

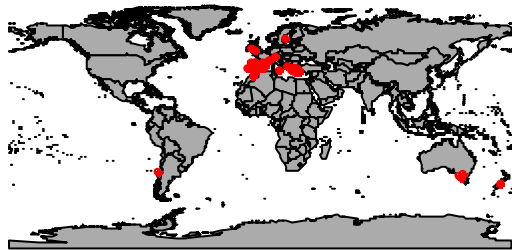
Native range: Mediterranean

Exotic range within Australia: TAS, VIC

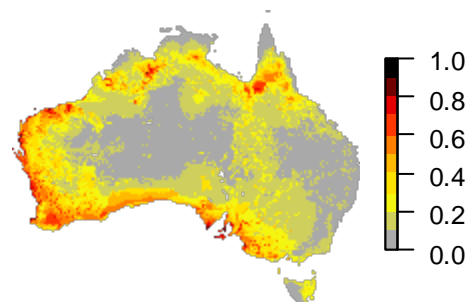
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 8

Observations



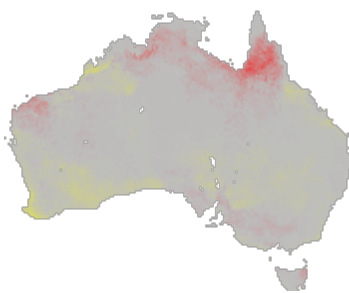
Current habitat suitability



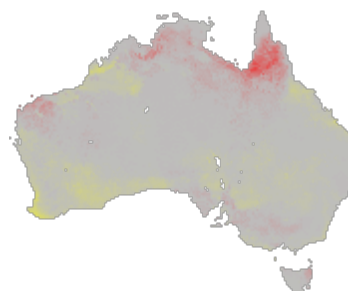
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

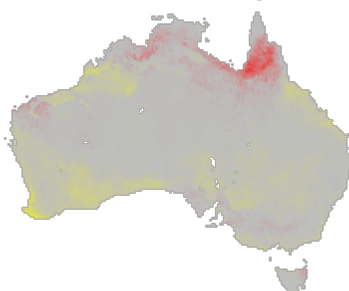
RCP4.5 2035



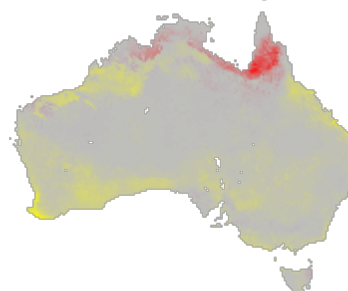
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Medicago littoralis

Family: Fabaceae

Growth form: Herb

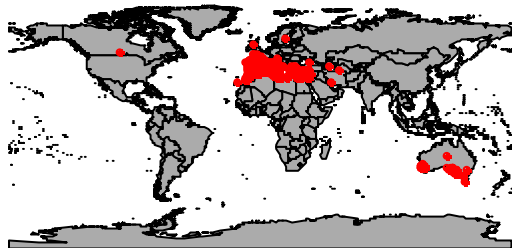
Native range: Europe

Exotic range within Australia: NSW, NT, SA, TAS, VIC, WA

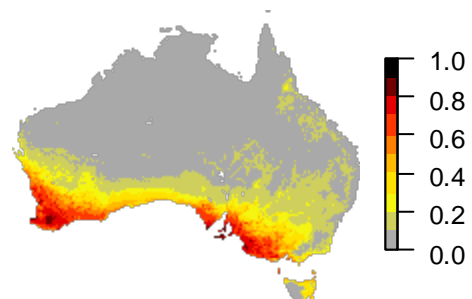
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 43

Observations



Current habitat suitability



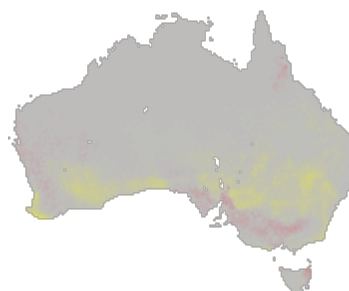
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



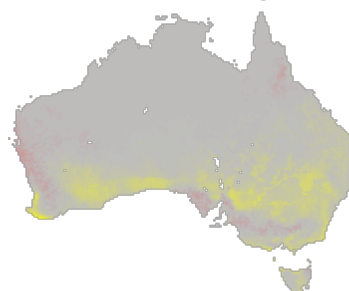
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Medicago sativa

Family: Fabaceae

Growth form: Herb

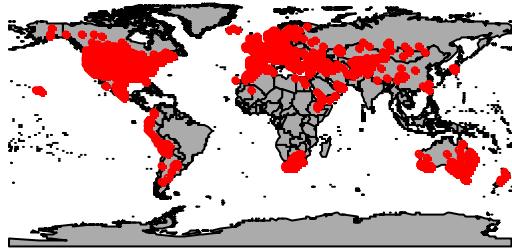
Native range: Europe, Africa, Asia

Exotic range within Australia: ACT, NSW, NT, QLD, SA, TAS, VIC, WA

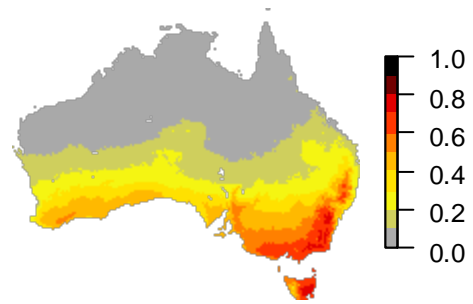
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 368

Observations



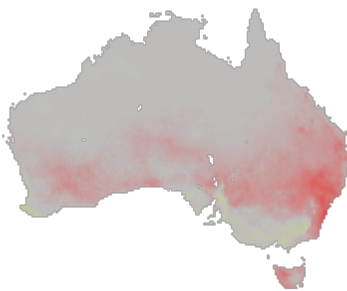
Current habitat suitability



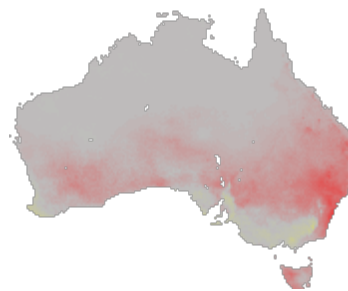
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

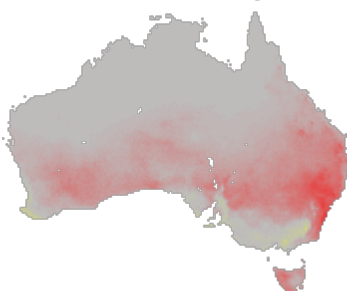
RCP4.5 2035



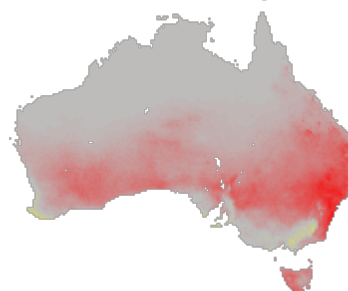
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Merremia quinquefolia

Family: Convolvulaceae

Growth form: Herb

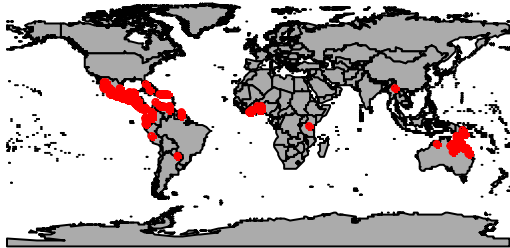
Native range: Central America, Mexico, South America

Exotic range within Australia: QLD, WA

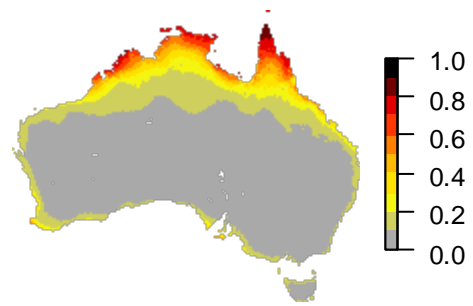
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 84

Observations



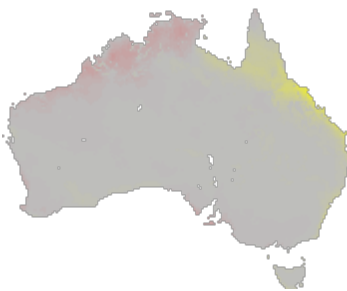
Current habitat suitability



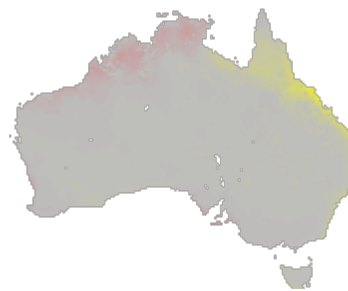
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

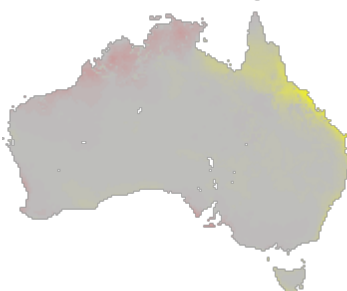
RCP4.5 2035



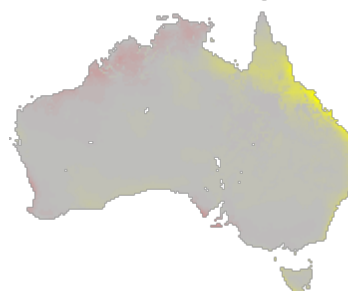
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Merremia tuberosa

Family: Convolvulaceae

Growth form: Vine

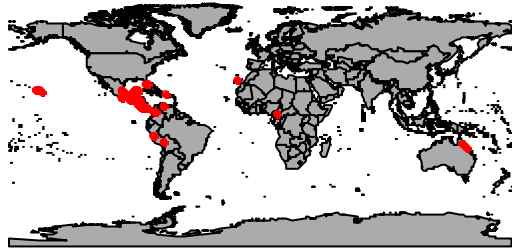
Native range: Central America, Mexico, South America

Exotic range within Australia: QLD

Dispersal mode: BIOTIC - human; ABIOTIC - water, refuse

Gridded observations in Australia (excluding cultivated): 9

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Miscanthus sinensis

Family: Poaceae

Growth form: Graminoid

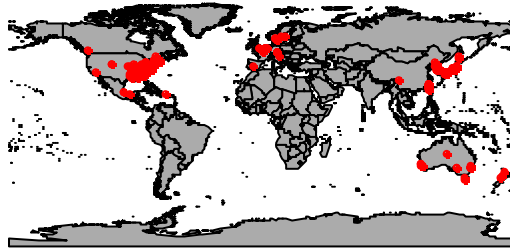
Native range: Asia

Exotic range within Australia: NSW, NT, SA, TAS, WA

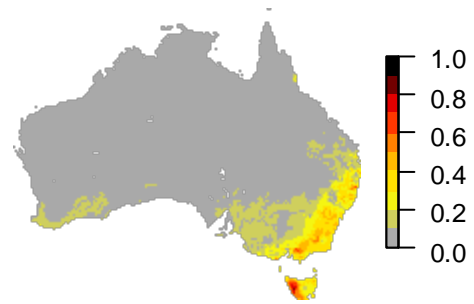
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 30

Observations



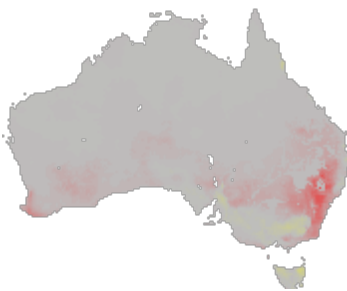
Current habitat suitability



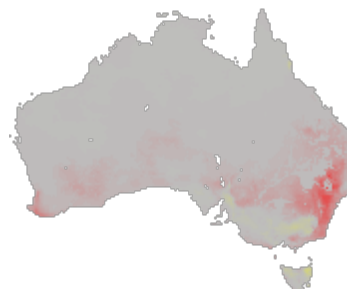
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

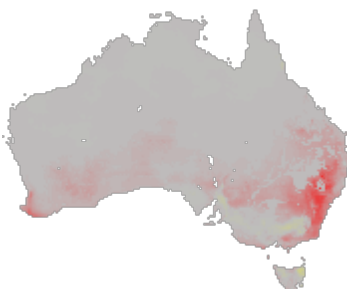
RCP4.5 2035



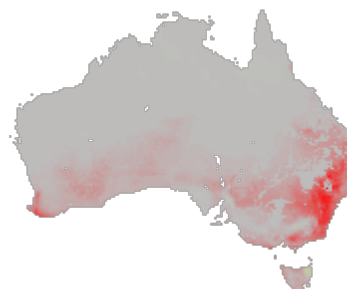
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Myosotis sylvatica

Family: Boraginaceae

Growth form: Herb

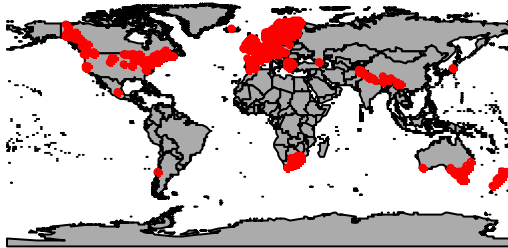
Native range: Europe, Asia, India, Pakistan, Bangladesh

Exotic range within Australia: ACT, NSW, SA, TAS, VIC, WA

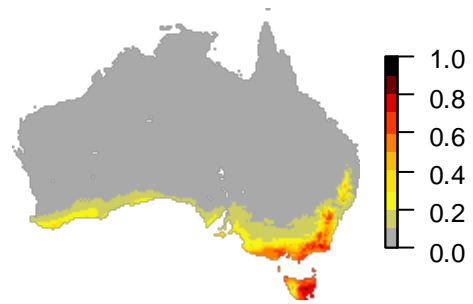
Dispersal mode: BIOTIC - animal; ABIOTIC - water, garden waste

Gridded observations in Australia (excluding cultivated): 89

Observations



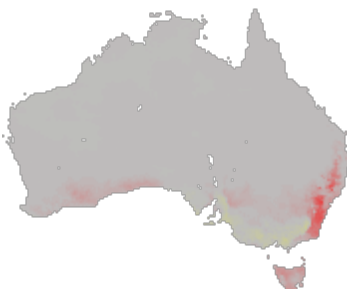
Current habitat suitability



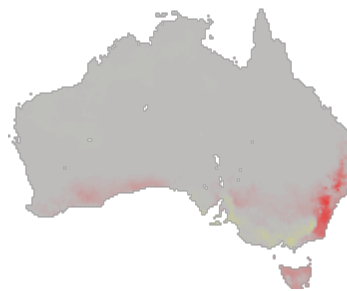
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

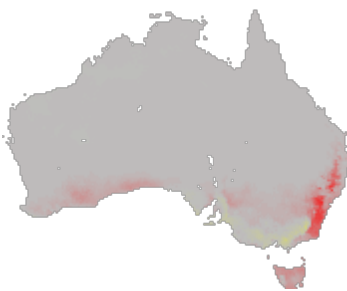
RCP4.5 2035



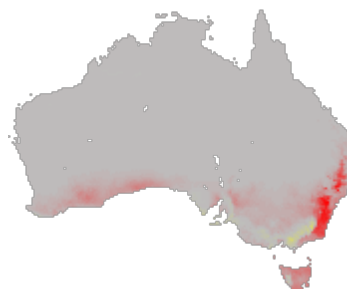
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ononis spinosa

Family: Fabaceae

Growth form: Shrub

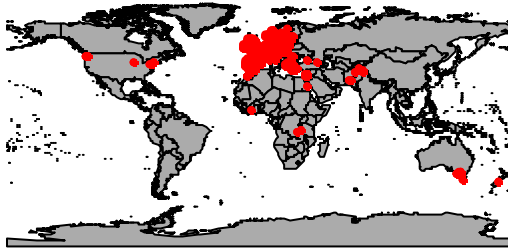
Native range: Africa, Middle East, India, Pakistan, Bangladesh, Europe

Exotic range within Australia: TAS, VIC

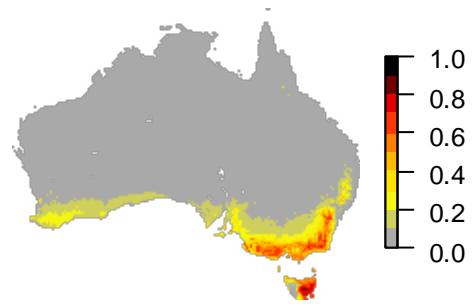
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 5

Observations



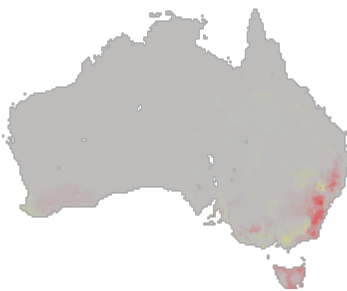
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

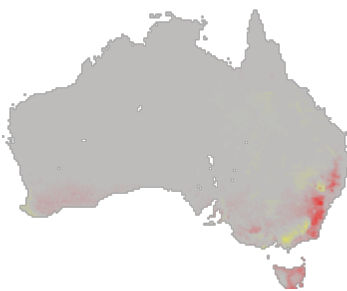
RCP4.5 2035



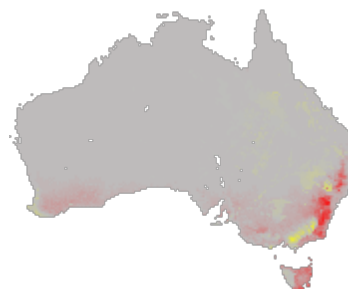
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Ornithogalum umbellatum

Family: Asparagaceae

Growth form: Herb

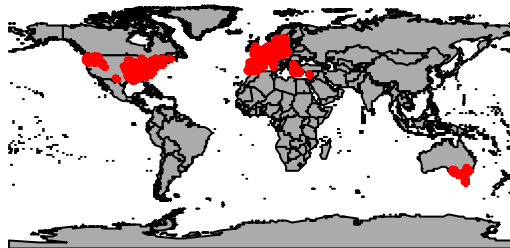
Native range: Mediterranean, Europe

Exotic range within Australia: NSW, SA, TAS, VIC

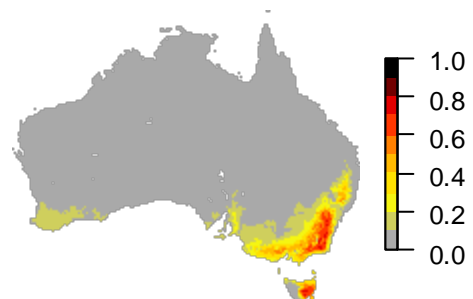
Dispersal mode: ABIOTIC - garden waste

Gridded observations in Australia (excluding cultivated): 8

Observations



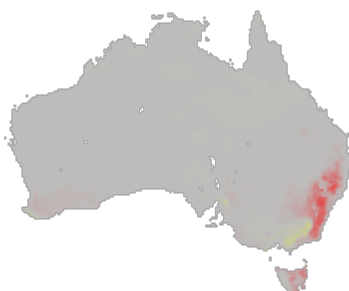
Current habitat suitability



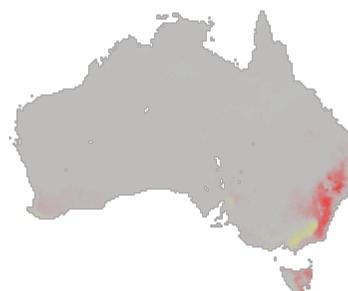
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

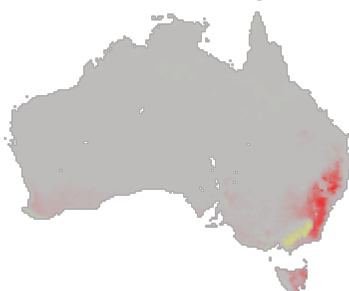
RCP4.5 2035



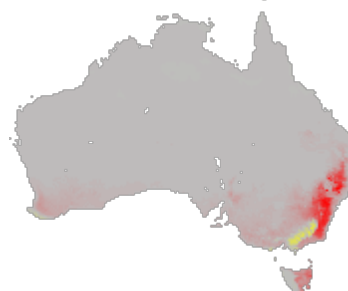
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Osteospermum ecklonis

Family: Asteraceae

Growth form: Shrub

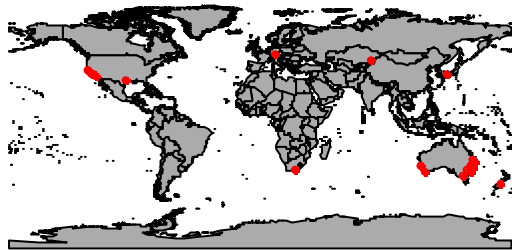
Native range: Africa

Exotic range within Australia: NSW, QLD, VIC, WA

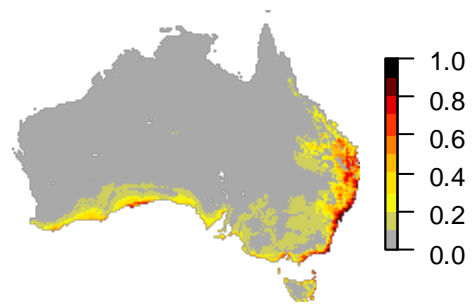
Dispersal mode: ABIOTIC - garden waste

Gridded observations in Australia (excluding cultivated): 27

Observations



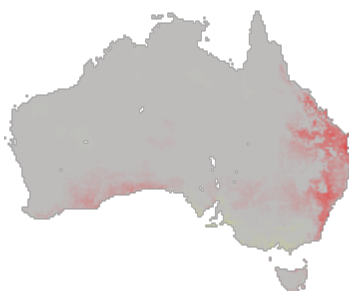
Current habitat suitability



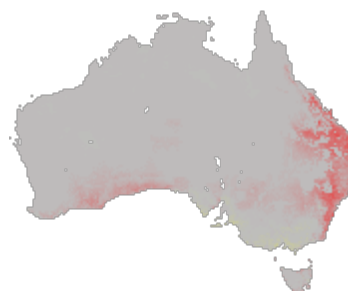
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

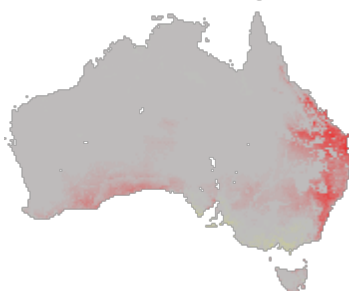
RCP4.5 2035



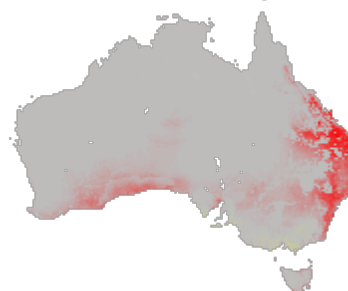
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Panicum antidotale

Family: Poaceae

Growth form: Graminoid

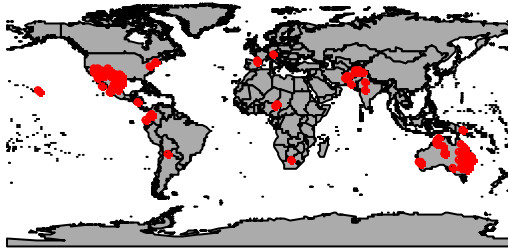
Native range: Middle East, India, Pakistan, Bangladesh

Exotic range within Australia: ACT, NSW, NT, QLD, SA, WA

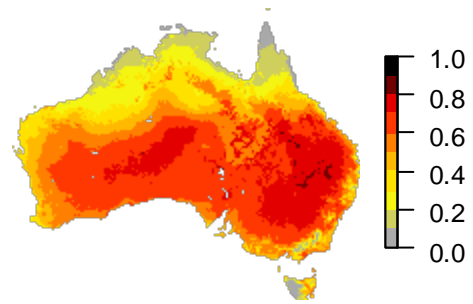
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 62

Observations



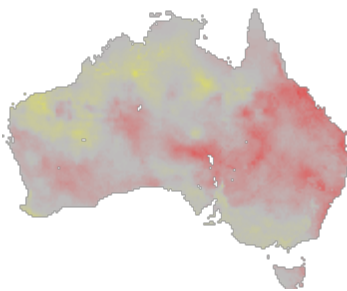
Current habitat suitability



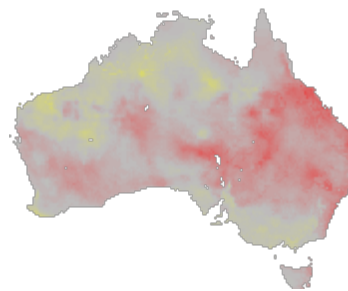
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

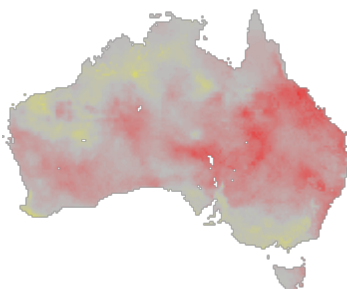
RCP4.5 2035



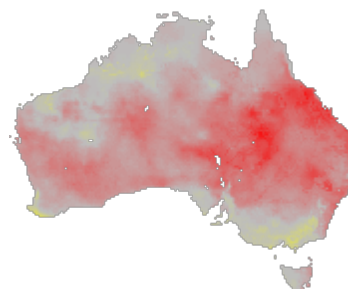
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Panicum bulbosum

Family: Poaceae

Growth form: Graminoid

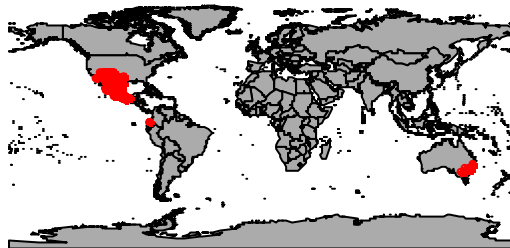
Native range: United States

Exotic range within Australia: NSW, VIC

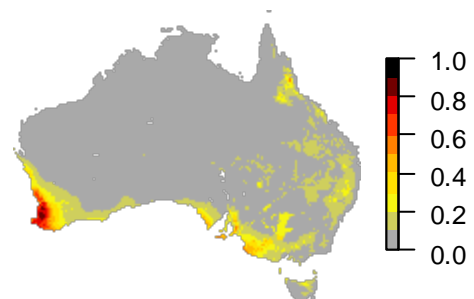
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 2

Observations



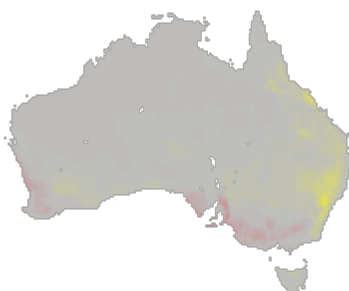
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

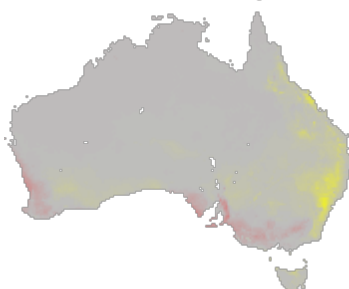
RCP4.5 2035



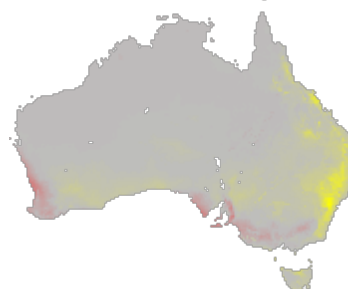
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Panicum capillare

Family: Poaceae

Growth form: Graminoid

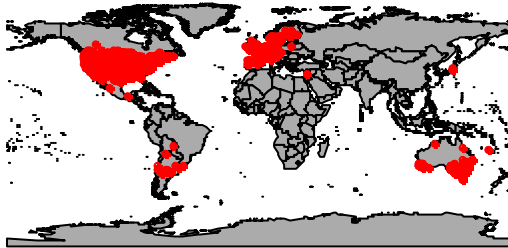
Native range: North America, India

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC, WA

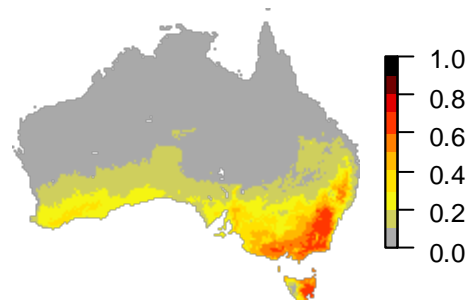
Dispersal mode: ABIOTIC - water, wind, vehicles

Gridded observations in Australia (excluding cultivated): 115

Observations



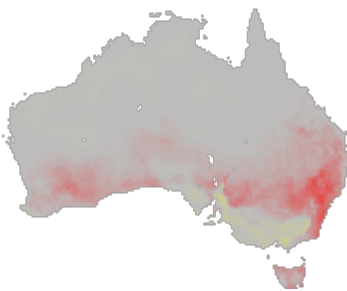
Current habitat suitability



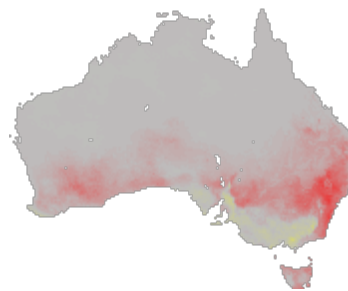
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

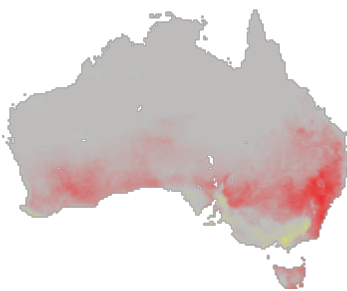
RCP4.5 2035



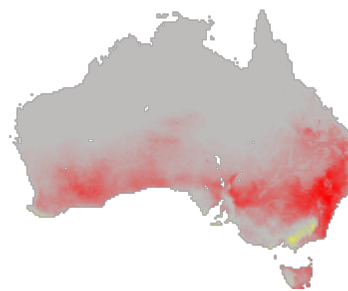
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Panicum coloratum

Family: Poaceae

Growth form: Graminoid, Herb

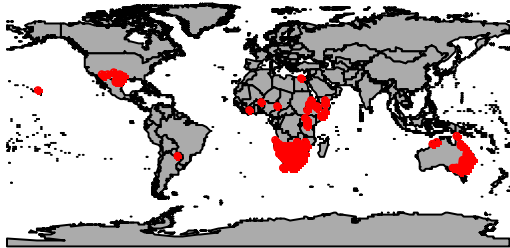
Native range: Africa

Exotic range within Australia: ACT, NSW, QLD, SA, VIC, WA

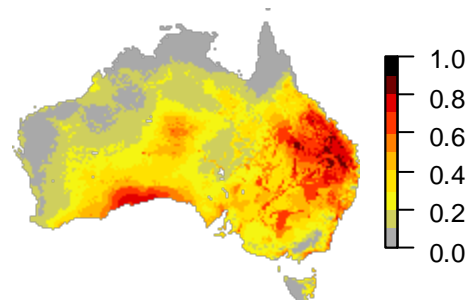
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 108

Observations



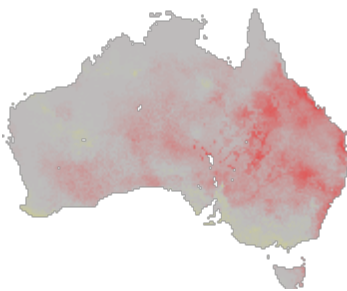
Current habitat suitability



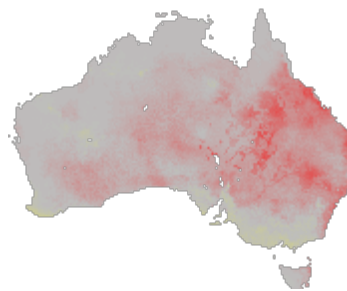
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

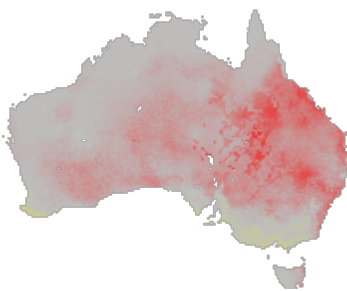
RCP4.5 2035



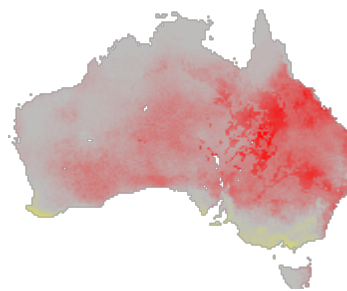
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Panicum repens

Family: Poaceae

Growth form: Graminoid

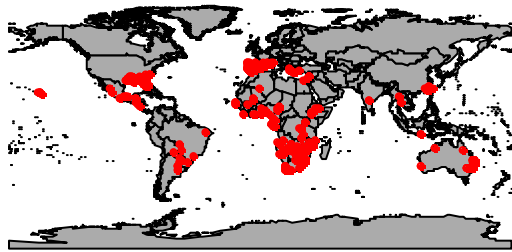
Native range: Pacific Ocean Islands, Indian Ocean Islands, Asia, Europe, Middle East, Africa, Atlantic Ocean Islands

Exotic range within Australia: QLD, NSW, WA

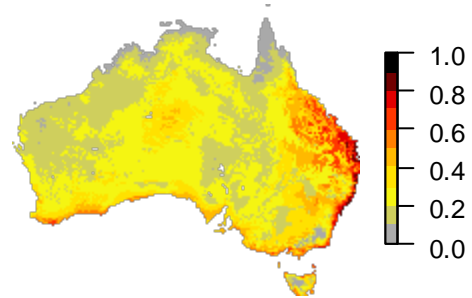
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 28

Observations



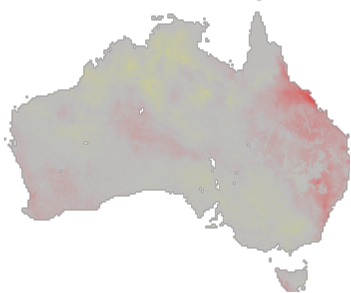
Current habitat suitability



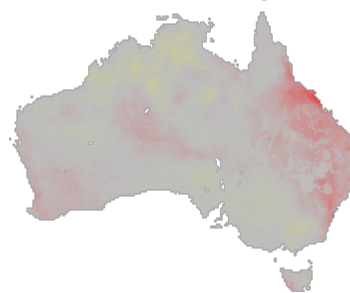
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

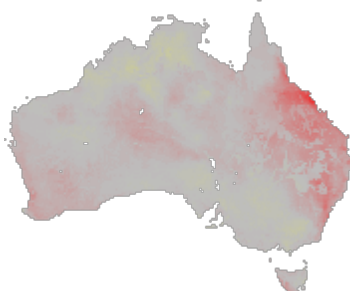
RCP4.5 2035



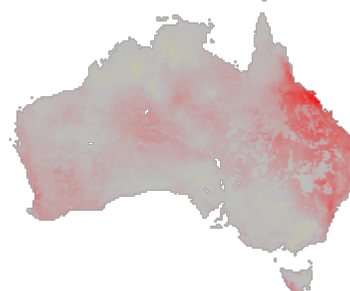
RCP8.5 2035



RCP4.5 2035



RCP8.5 2065



Panicum schinzii

Family: Poaceae

Growth form: Graminoid, Herb

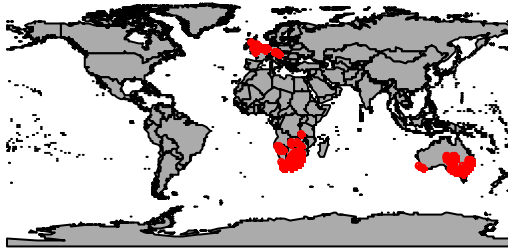
Native range: Africa

Exotic range within Australia: ACT, NSW, QLD, SA, VIC, WA

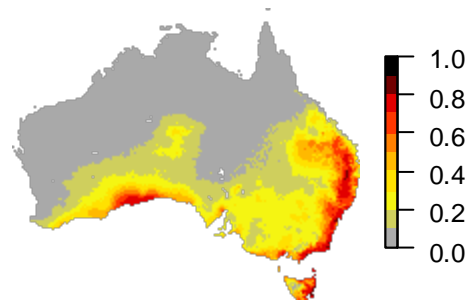
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 54

Observations



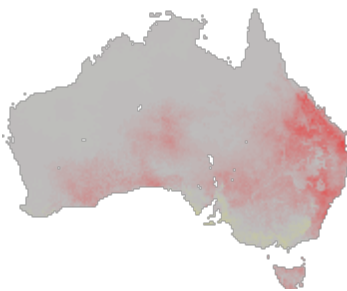
Current habitat suitability



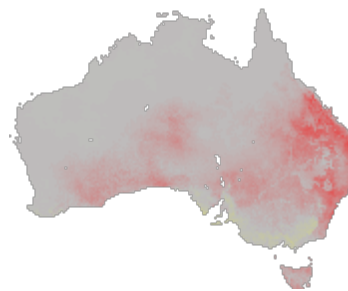
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

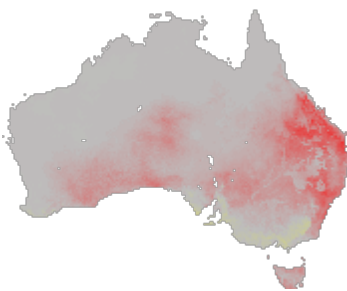
RCP4.5 2035



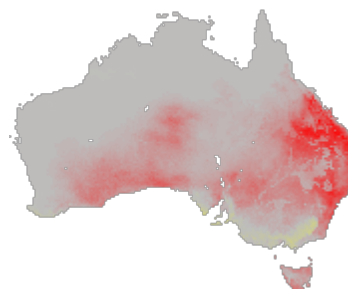
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Paspalum conjugatum

Family: Poaceae

Growth form: Graminoid

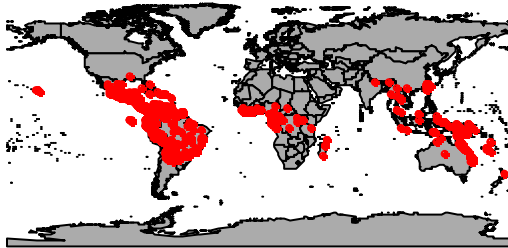
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, NT, QLD, VIC, WA, Indian Ocean offshore islands

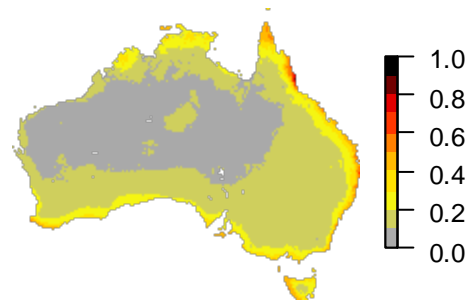
Dispersal mode: BIOTIC - animal, human; ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 181

Observations



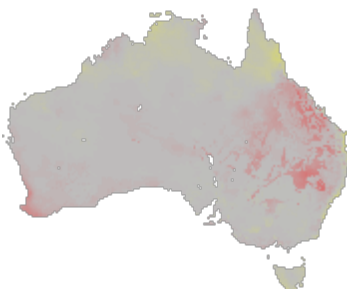
Current habitat suitability



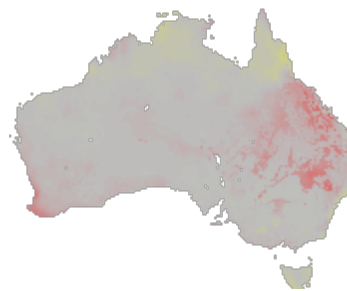
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

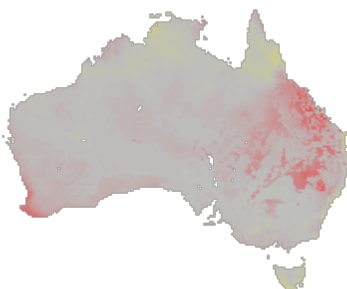
RCP4.5 2035



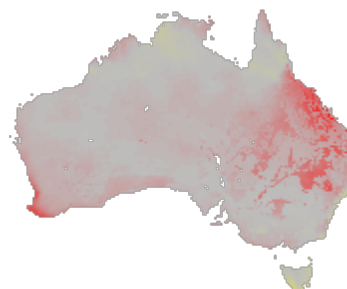
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Paspalum notatum

Family: Poaceae

Growth form: Graminoid

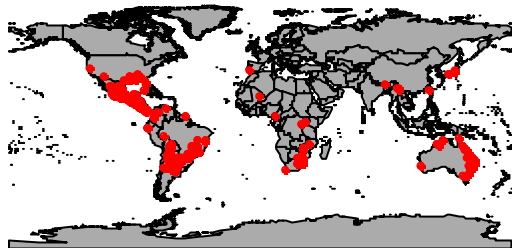
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, NT, QLD, VIC, WA

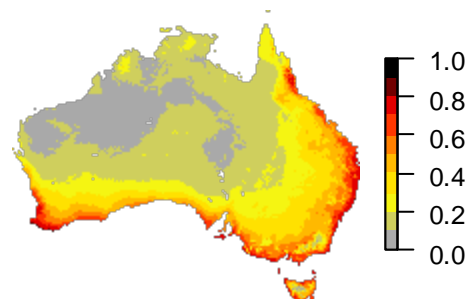
Dispersal mode: BIOTIC - human; ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 124

Observations



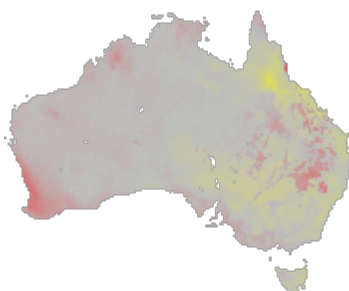
Current habitat suitability



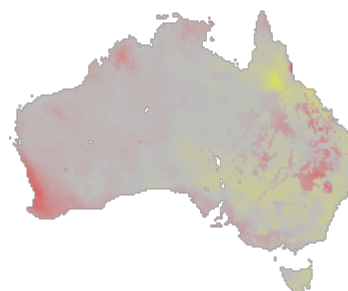
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

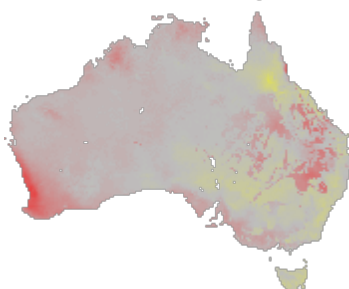
RCP4.5 2035



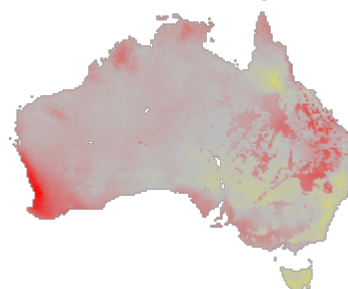
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Paspalum paniculatum

Family: Poaceae

Growth form: Graminoid

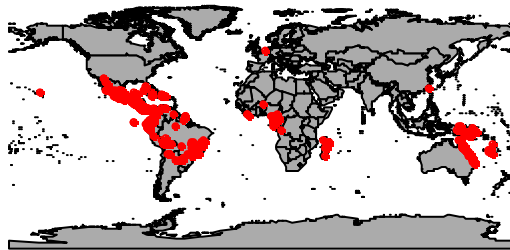
Native range: Africa, Pacific Ocean Islands, Central America, Mexico, South America, Indian Ocean Islands

Exotic range within Australia: NT, QLD, WA

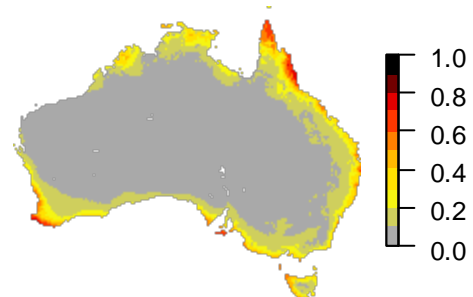
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 120

Observations



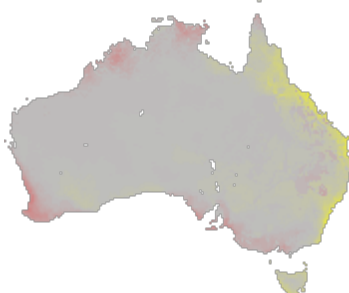
Current habitat suitability



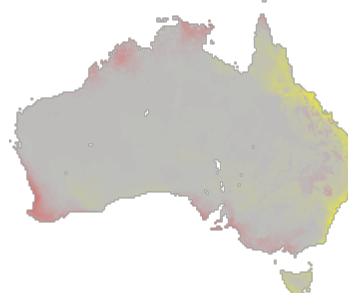
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

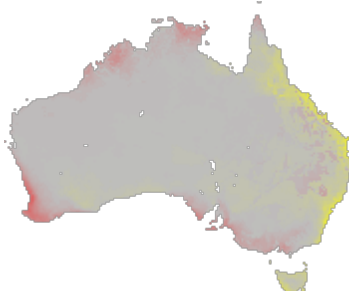
RCP4.5 2035



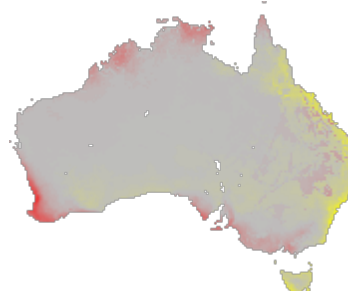
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Paspalum plicatulum

Family: Poaceae

Growth form: Graminoid

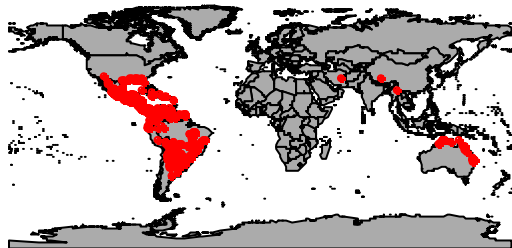
Native range: Central America, Mexico, South America, United States

Exotic range within Australia: NT, QLD, WA

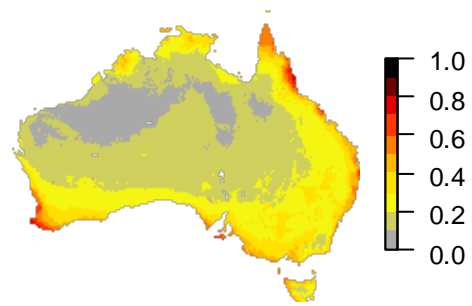
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 53

Observations



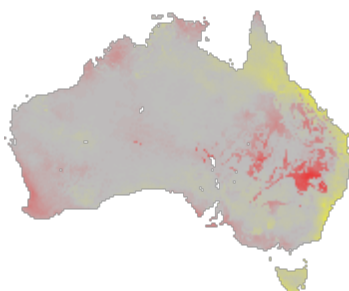
Current habitat suitability



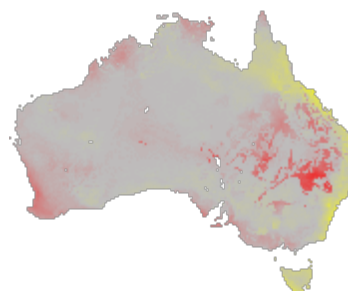
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

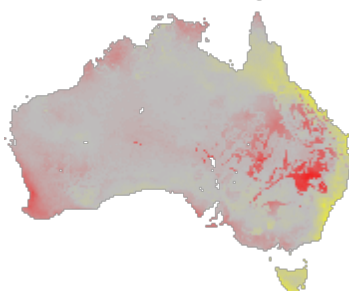
RCP4.5 2035



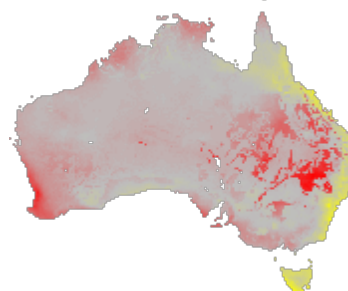
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Paspalum urvillei

Family: Poaceae

Growth form: Graminoid

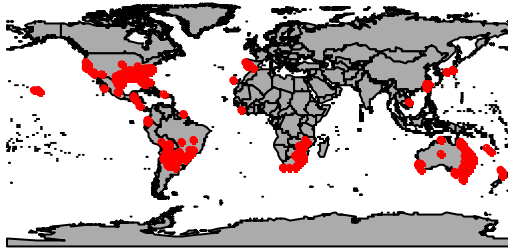
Native range: South America

Exotic range within Australia: NSW, NT, QLD, TAS, WA

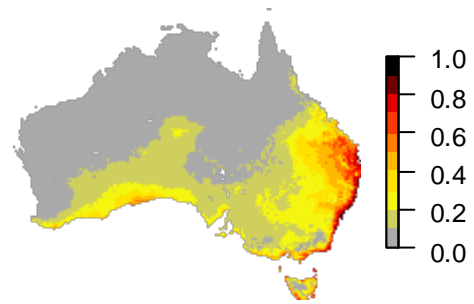
Dispersal mode: BIOTIC - animal, human; ABIOTIC - water, wind, vehicles, agriculture

Gridded observations in Australia (excluding cultivated): 243

Observations



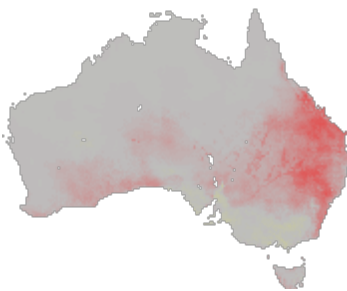
Current habitat suitability



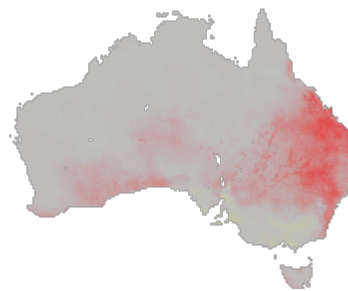
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

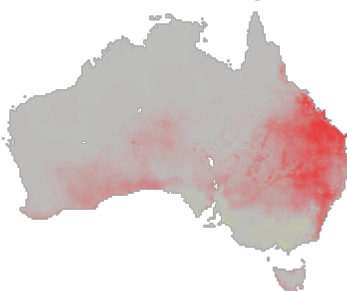
RCP4.5 2035



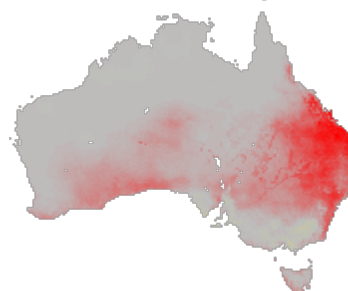
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Passiflora caerulea

Family: Passifloraceae

Growth form: Vine

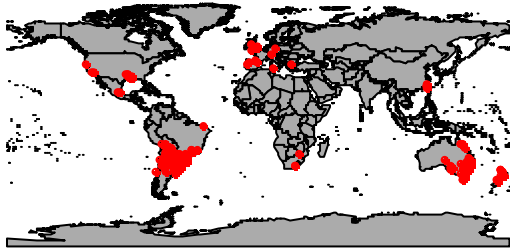
Native range: South America

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC

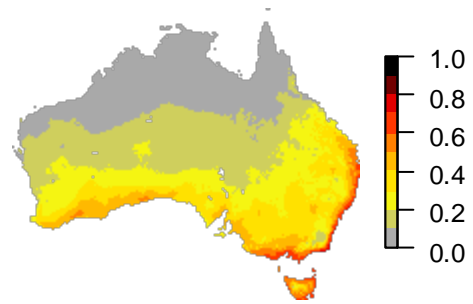
Dispersal mode: BIOTIC - animal; bird

Gridded observations in Australia (excluding cultivated): 36

Observations



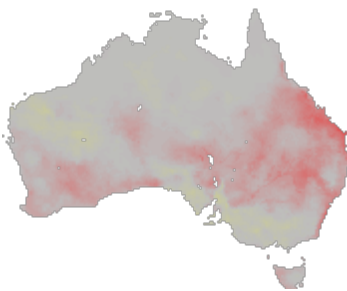
Current habitat suitability



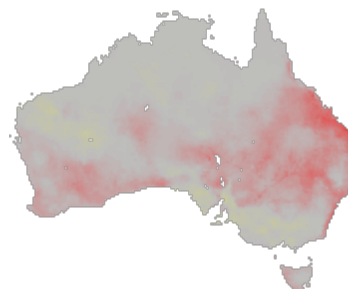
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

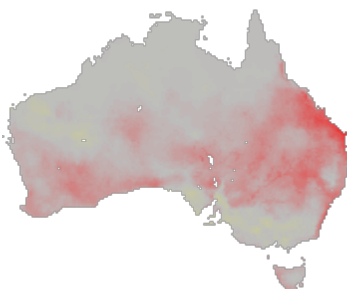
RCP4.5 2035



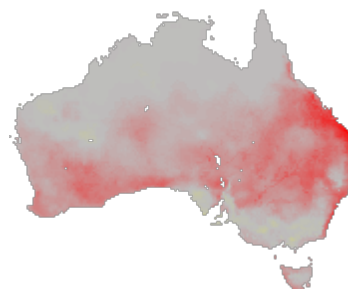
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pennisetum glaucum

Family: Poaceae

Growth form: Graminoid

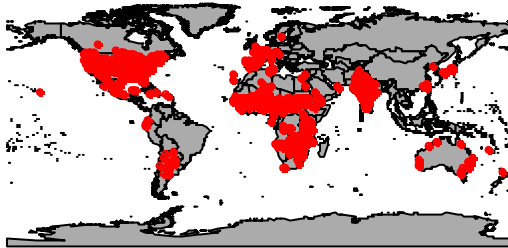
Native range: Not available

Exotic range within Australia: NSW, QLD, VIC, WA

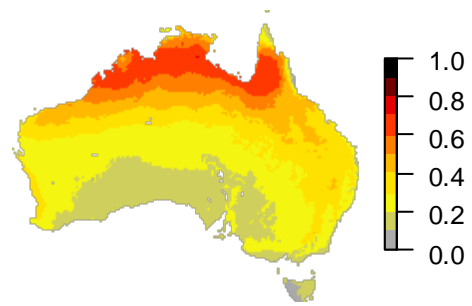
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 25

Observations



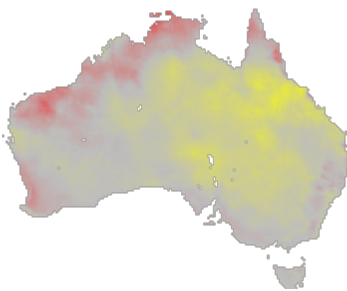
Current habitat suitability



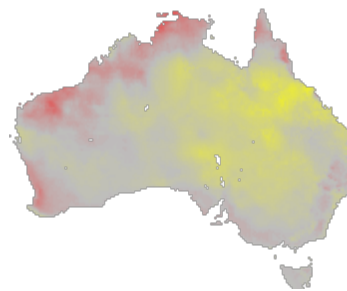
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

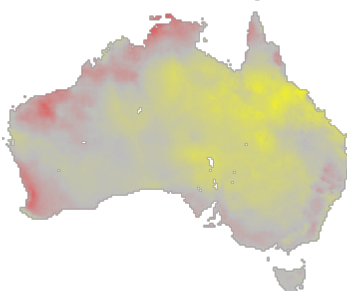
RCP4.5 2035



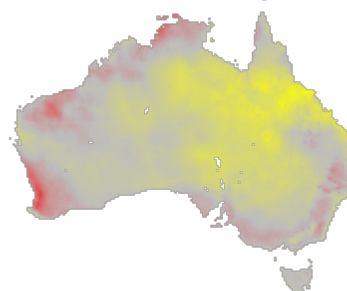
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pennisetum pedicellatum

Family: Poaceae

Growth form: Graminoid

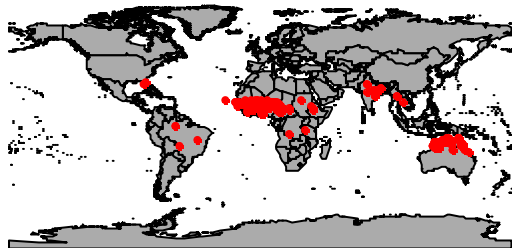
Native range: Africa, India, Pakistan, Bangladesh

Exotic range within Australia: NT, QLD, WA

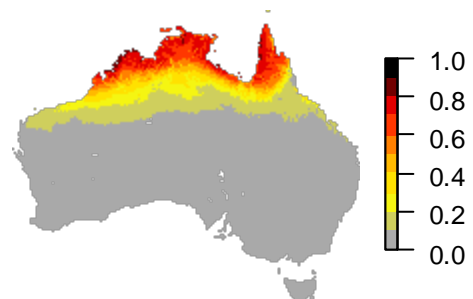
Dispersal mode: ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 106

Observations



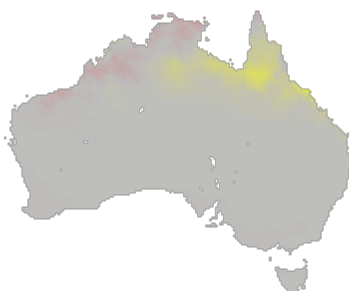
Current habitat suitability



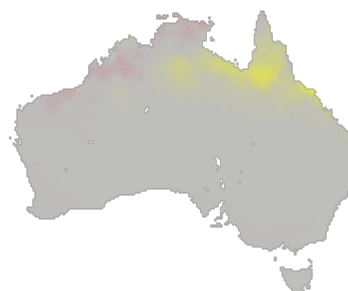
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

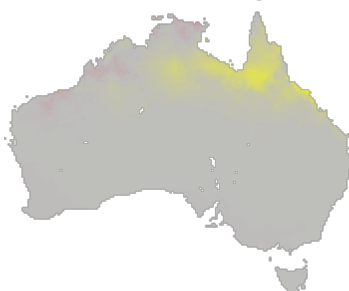
RCP4.5 2035



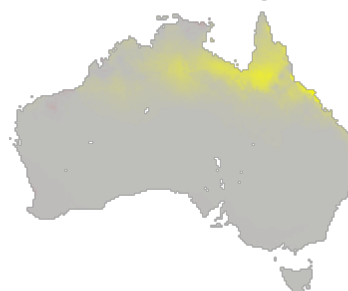
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Petasites fragrans

Family: Asteraceae

Growth form: Herb

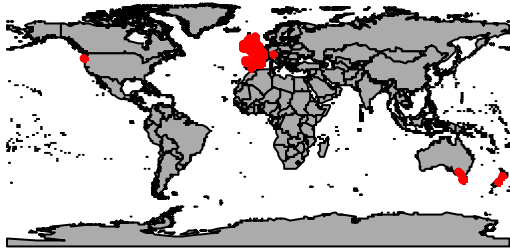
Native range: Mediterranean

Exotic range within Australia: TAS, VIC

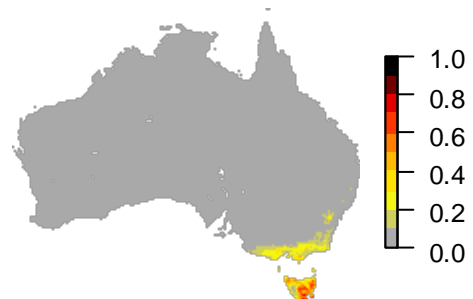
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 23

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Phalaris coerulescens

Family: Poaceae

Growth form: Graminoid

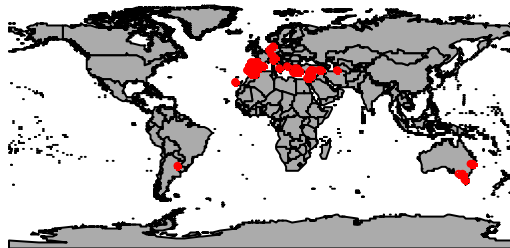
Native range: Mediterranean, Europe, Atlantic Ocean Islands

Exotic range within Australia: NSW, TAS, VIC

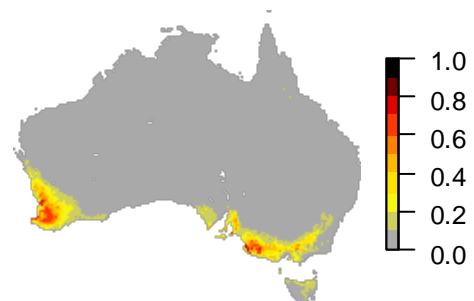
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 13

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

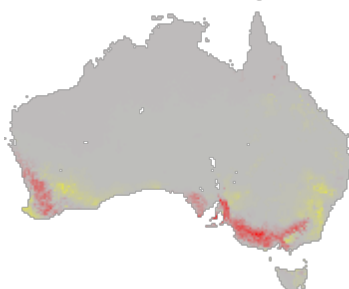
RCP4.5 2035



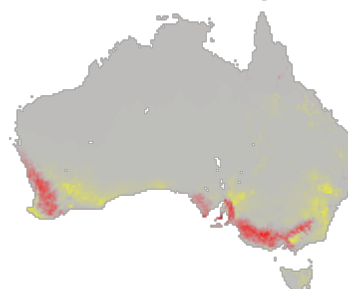
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Phormium tenax

Family: Hemerocallidaceae

Growth form: Herb

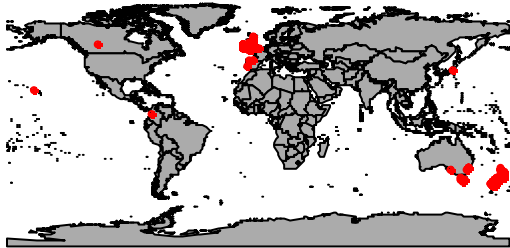
Native range: Oceania

Exotic range within Australia: ACT, NSW, SA, TAS

Dispersal mode: BIOTIC - bird; ABIOTIC - water, wind

Gridded observations in Australia (excluding cultivated): 23

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Phytolacca americana

Family: Phytolaccaceae

Growth form: Herb

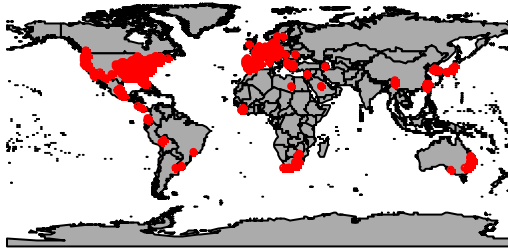
Native range: North America, South America

Exotic range within Australia: QLD, NSW, SA

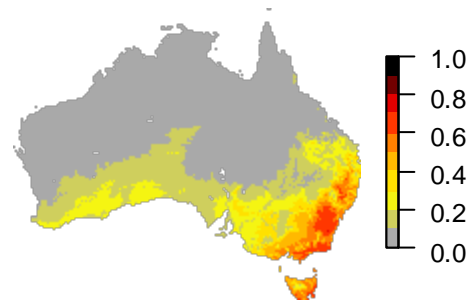
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 53

Observations



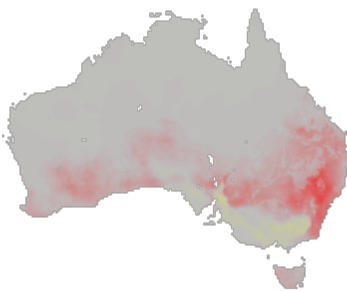
Current habitat suitability



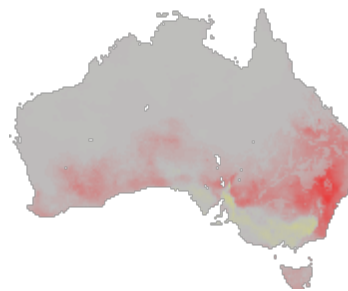
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

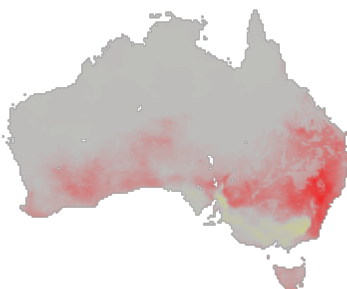
RCP4.5 2035



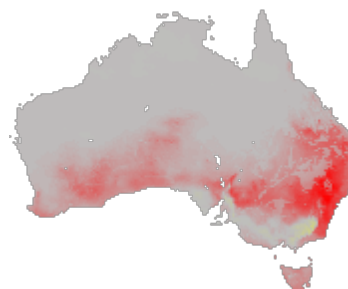
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus contorta

Family: Pinaceae

Growth form: Shrub, Tree

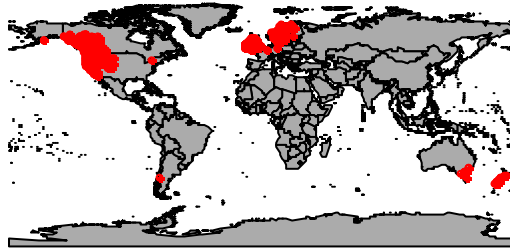
Native range: North America

Exotic range within Australia: NSW, TAS, VIC

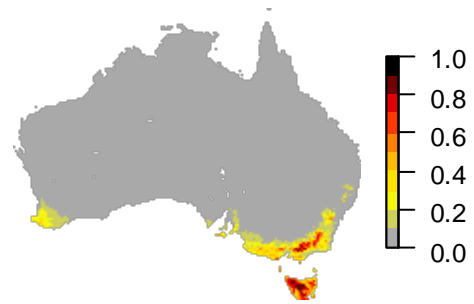
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 13

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus nigra

Family: Pinaceae

Growth form: Tree

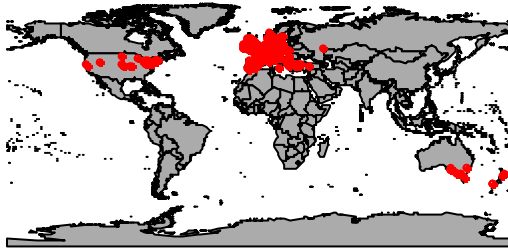
Native range: Mediterranean, Europe

Exotic range within Australia: NSW, SA, TAS, VIC

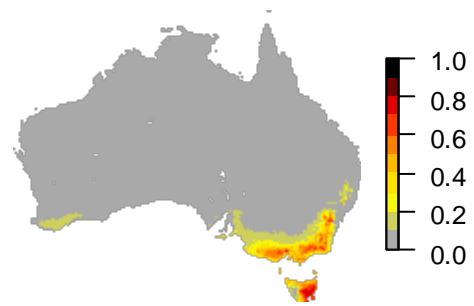
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 22

Observations



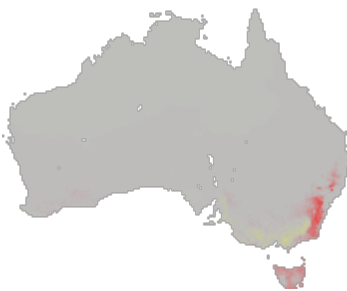
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

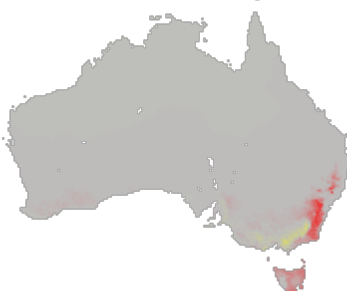
RCP4.5 2035



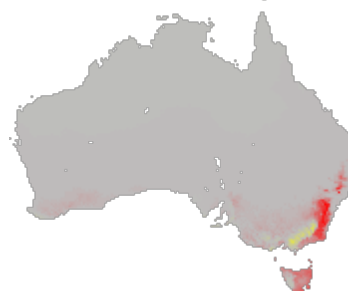
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus palustris

Family: Pinaceae

Growth form: Tree

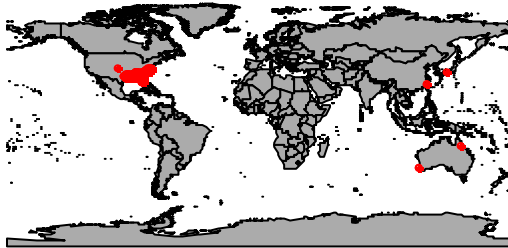
Native range: United States

Exotic range within Australia: QLD, WA

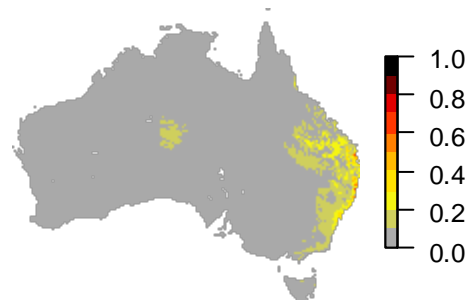
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 2

Observations



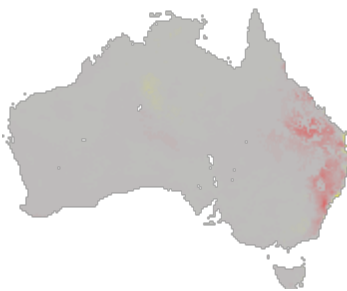
Current habitat suitability



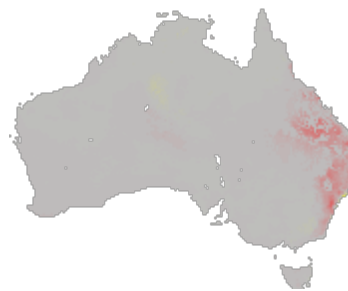
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

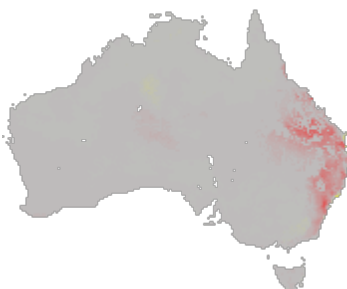
RCP4.5 2035



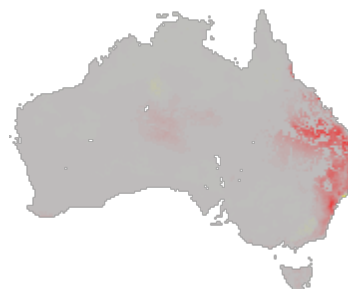
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus pinea

Family: Pinaceae

Growth form: Tree

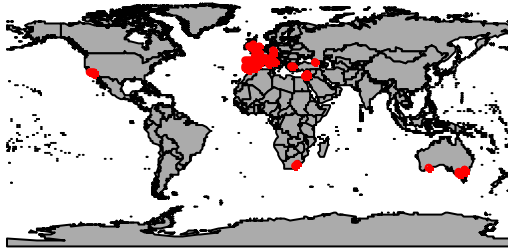
Native range: Middle East, Europe

Exotic range within Australia: NSW, VIC, WA

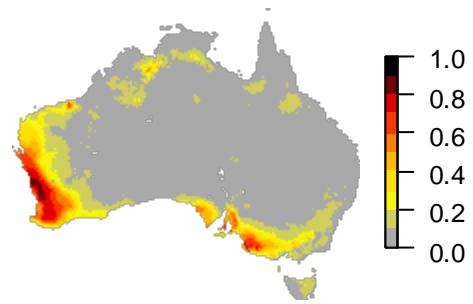
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 13

Observations



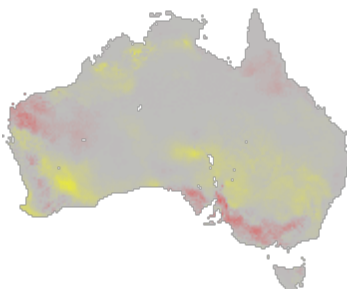
Current habitat suitability



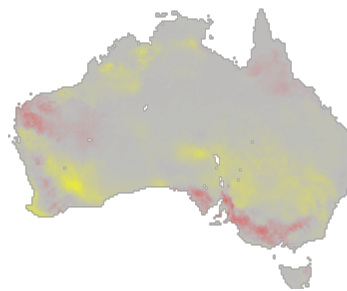
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

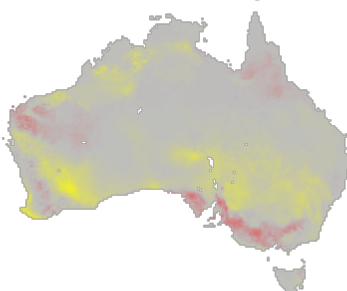
RCP4.5 2035



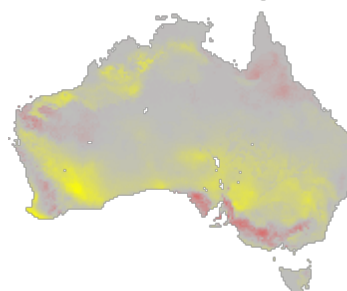
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus ponderosa

Family: Pinaceae

Growth form: Tree

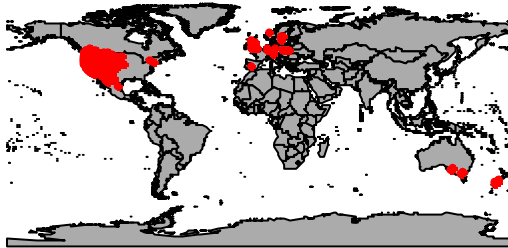
Native range: North America

Exotic range within Australia: SA, VIC

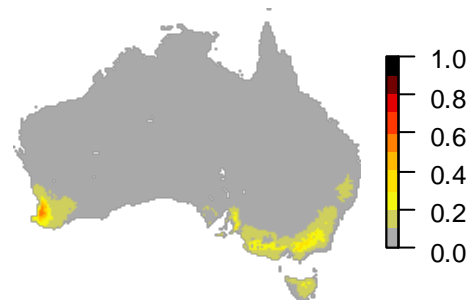
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 10

Observations



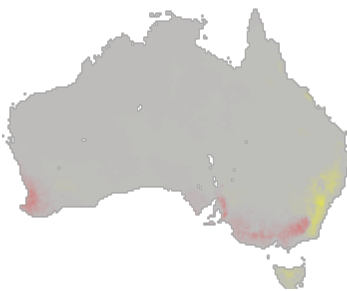
Current habitat suitability



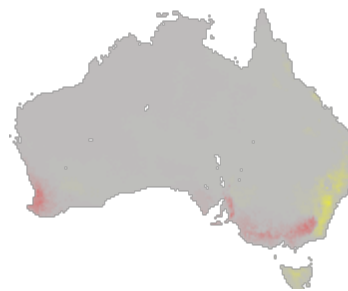
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

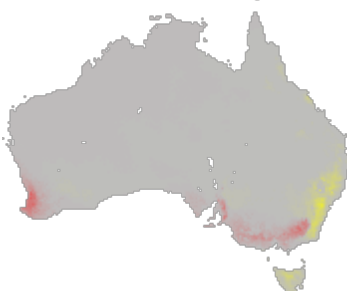
RCP4.5 2035



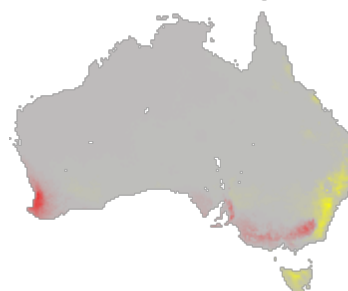
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus sabiniana

Family: Pinaceae

Growth form: Tree

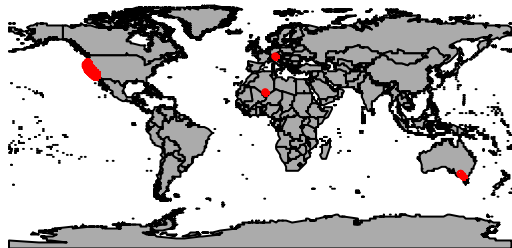
Native range: United States

Exotic range within Australia: VIC

Dispersal mode: ABIOTIC - agriculture

Gridded observations in Australia (excluding cultivated): 9

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus sylvestris

Family: Pinaceae

Growth form: Tree

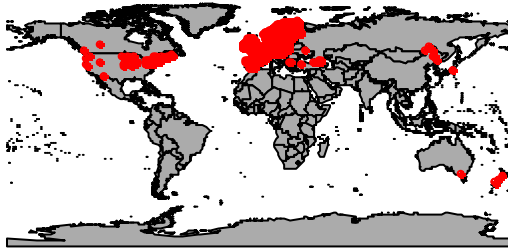
Native range: Europe, western Asia, central Asia

Exotic range within Australia: VIC

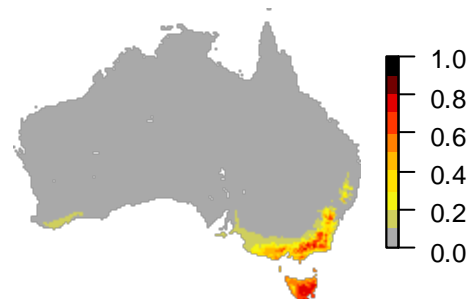
Dispersal mode: ABIOTIC - wind; ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 3

Observations



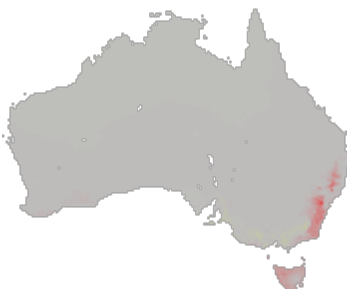
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable, and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pinus taeda

Family: Pinaceae

Growth form: Tree

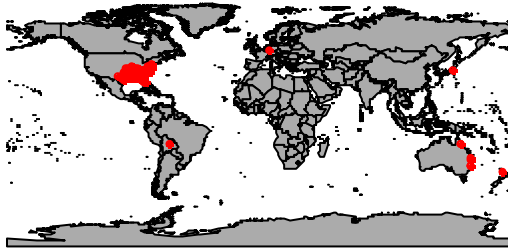
Native range: United States, South America

Exotic range within Australia: NSW, QLD

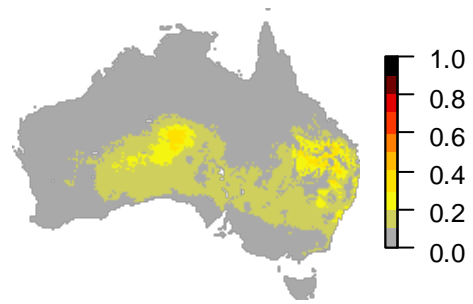
Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 12

Observations



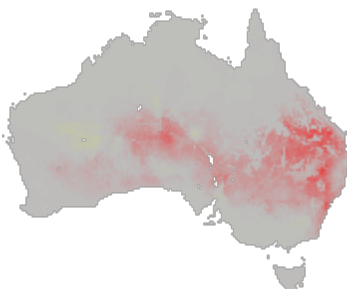
Current habitat suitability



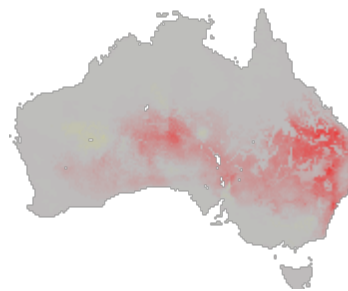
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

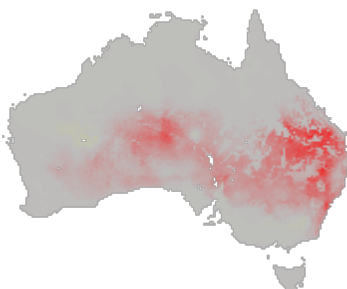
RCP4.5 2035



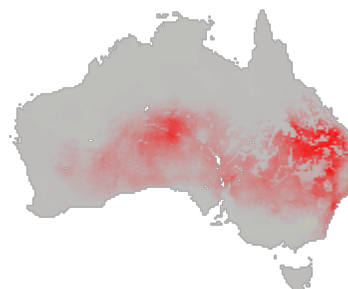
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Piptochaetium montevidense

Family: Poaceae

Growth form: Graminoid

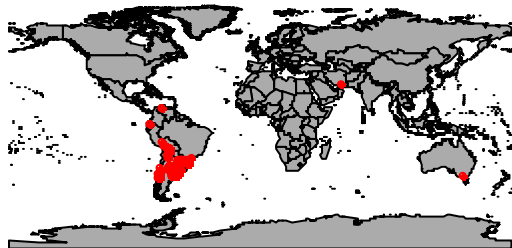
Native range: South America

Exotic range within Australia: VIC

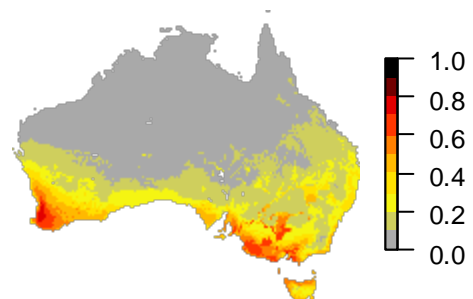
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 1

Observations



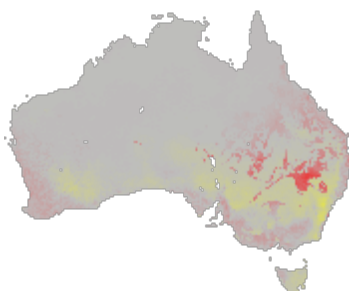
Current habitat suitability



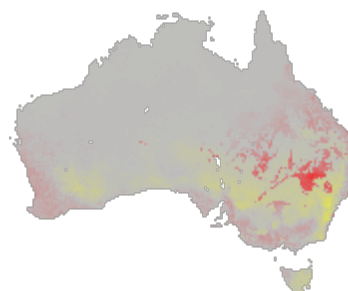
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

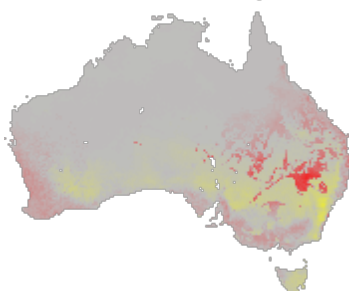
RCP4.5 2035



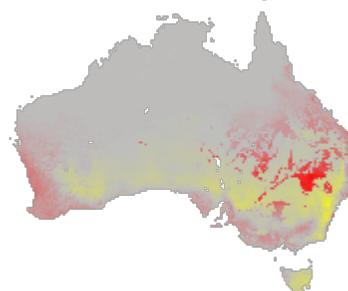
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Poa bulbosa

Family: Poaceae

Growth form: Graminoid, Herb

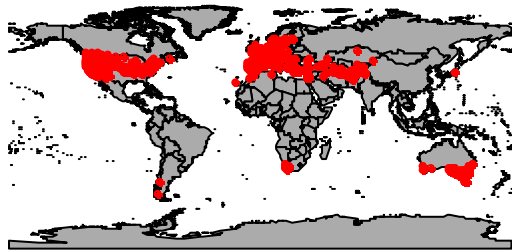
Native range: northern Africa, Middle East, western Asia, central Asia, India, Pakistan, Bangladesh, Europe, Atlantic Ocean Islands

Exotic range within Australia: ACT, NSW, SA, TAS, VIC, WA

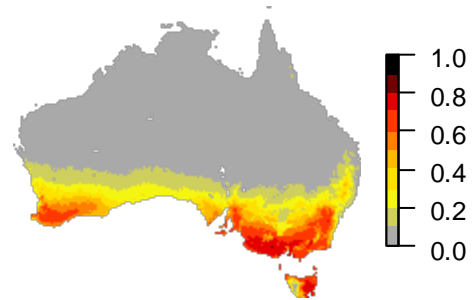
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 324

Observations



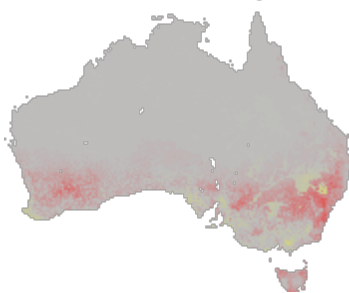
Current habitat suitability



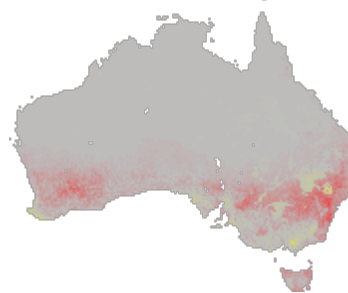
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

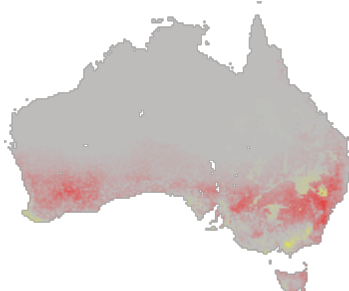
RCP4.5 2035



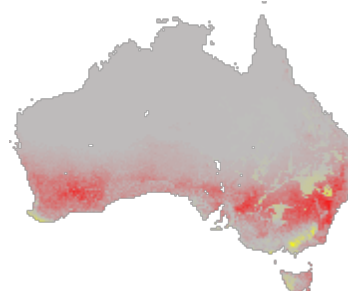
RCP8.5 2035



RCP4.5 2035



RCP8.5 2065



Poa compressa

Family: Poaceae

Growth form: Graminoid

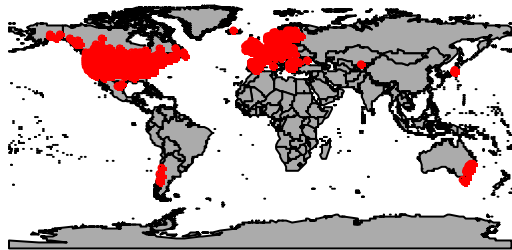
Native range: Europe, Middle East, south-west Asia

Exotic range within Australia: ACT, NSW, TAS

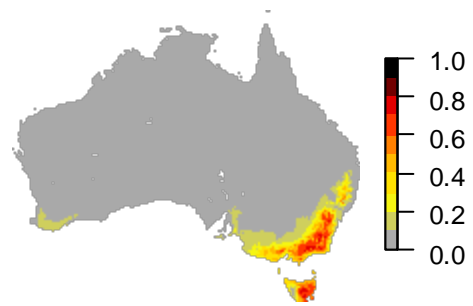
Dispersal mode: ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 34

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

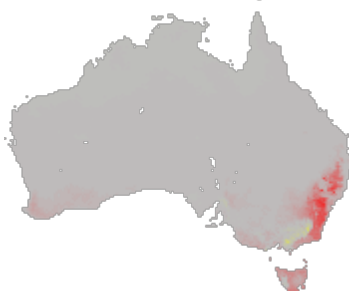
RCP4.5 2035



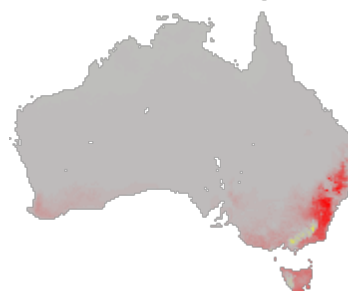
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Poa pratensis

Family: Poaceae

Growth form: Graminoid

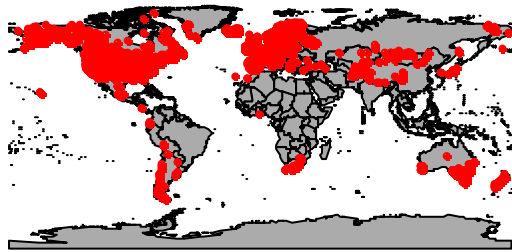
Native range: Europe, United States, western Asia, central Asia, Middle East, Atlantic Ocean Islands, northern Africa

Exotic range within Australia: ACT, NSW, NT, QLD, SA, TAS, VIC, WA, Pacific offshore islands

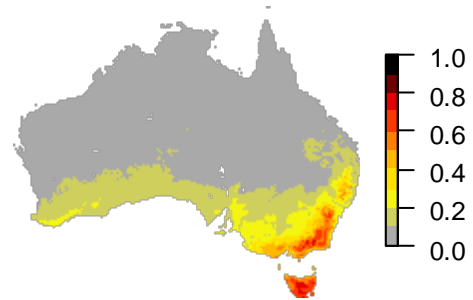
Dispersal mode: BIOTIC - animal, human; ABIOTIC - agriculture, vehicles

Gridded observations in Australia (excluding cultivated): 417

Observations



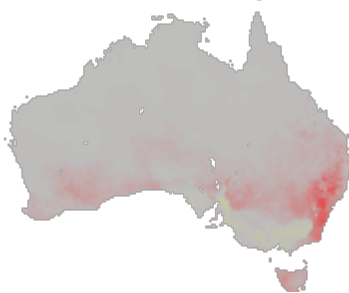
Current habitat suitability



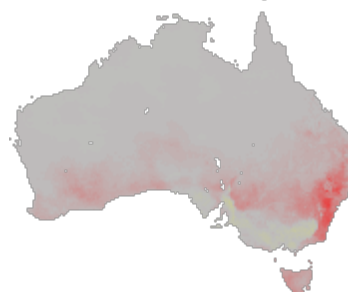
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

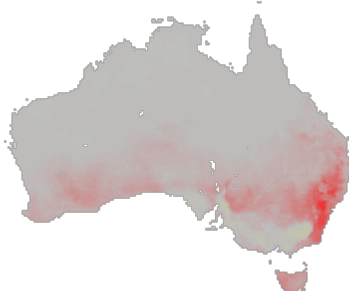
RCP4.5 2035



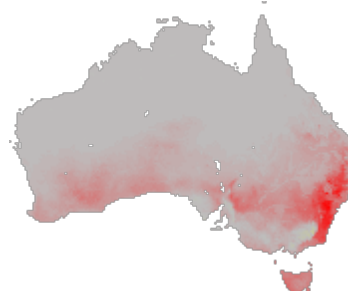
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Poa trivialis

Family: Poaceae

Growth form: Graminoid

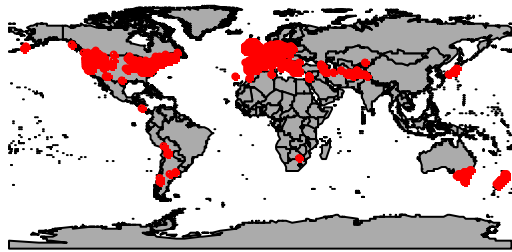
Native range: Atlantic Ocean Islands, Mediterranean, Middle East, western Asia, central Asia, India, Pakistan, Bangladesh, Europe

Exotic range within Australia: ACT, NSW, TAS, VIC

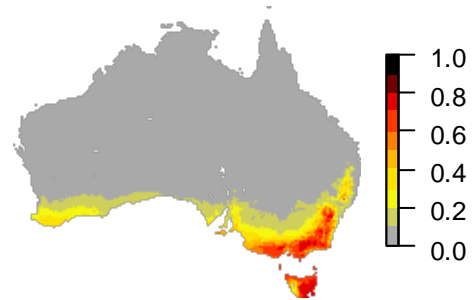
Dispersal mode: BIOTIC - animals; ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 66

Observations



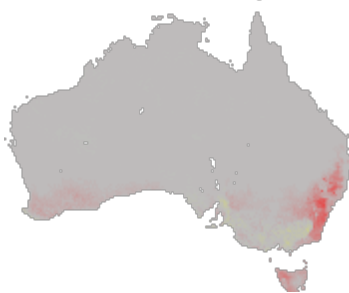
Current habitat suitability



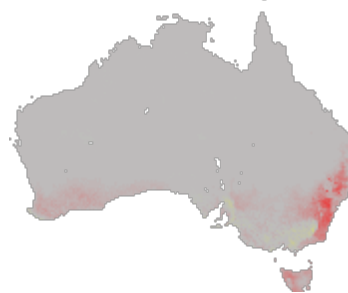
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

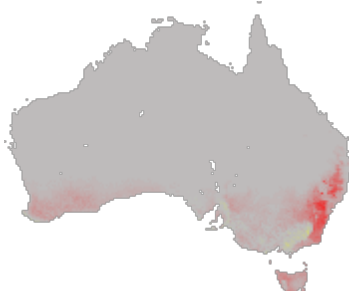
RCP4.5 2035



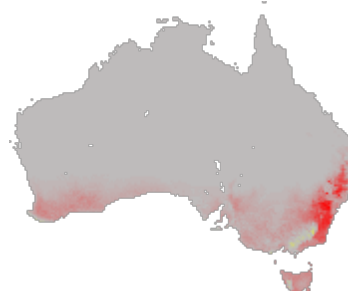
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Polygonum bellardii

Family: Polygonaceae

Growth form: Herb

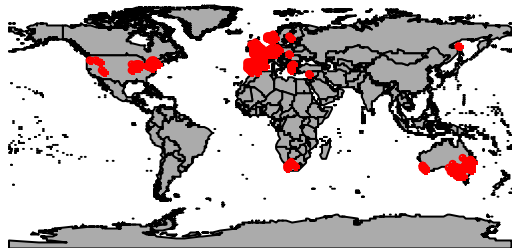
Native range: Europe

Exotic range within Australia: NSW, QLD, SA, VIC, WA

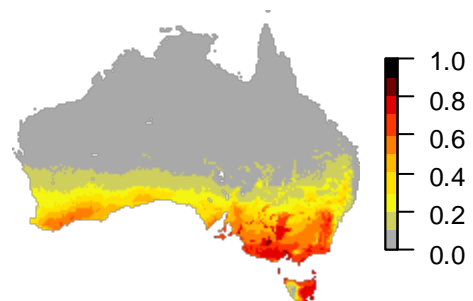
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 103

Observations



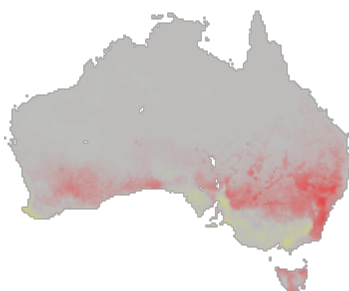
Current habitat suitability



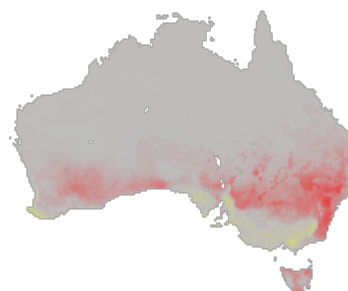
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

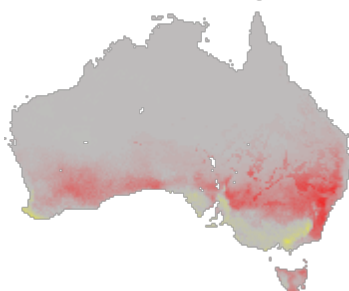
RCP4.5 2035



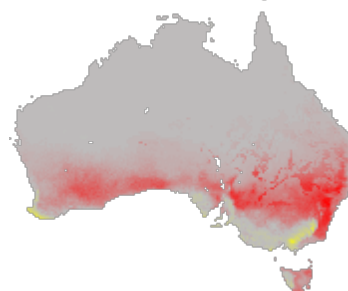
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Polygonum patulum

Family: Polygonaceae

Growth form: Herb

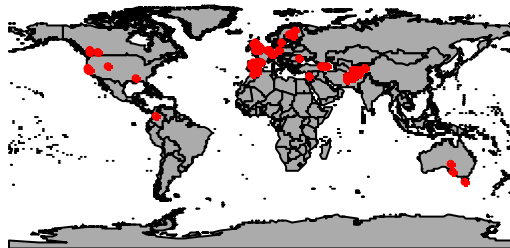
Native range: Europe, North Africa, Asia

Exotic range within Australia: SA, TAS

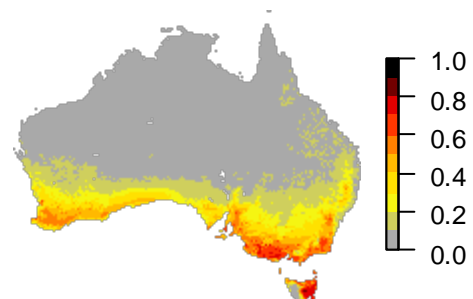
Dispersal mode: ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 4

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

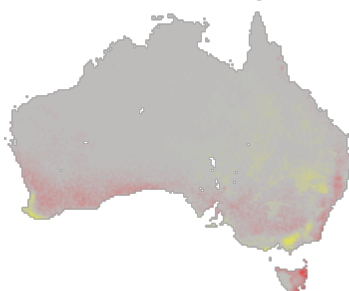
RCP4.5 2035



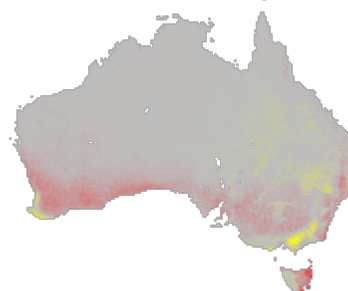
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Populus tremula

Family: Salicaceae

Growth form: Tree

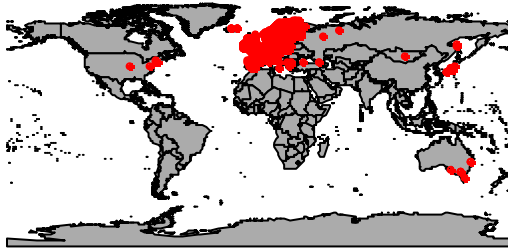
Native range: Europe

Exotic range within Australia: NSW, SA, TAS, VIC

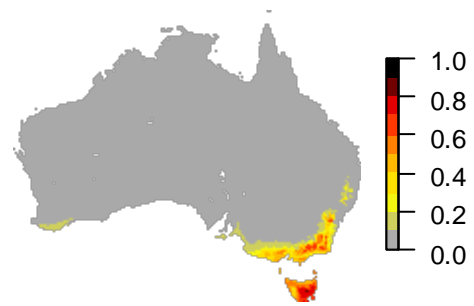
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 15

Observations



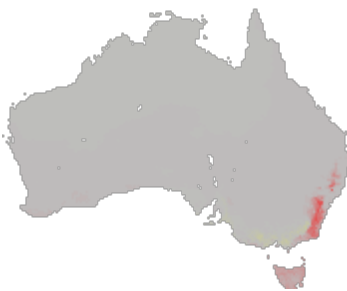
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Praxelis clematidea

Family: Asteraceae

Growth form: Herb

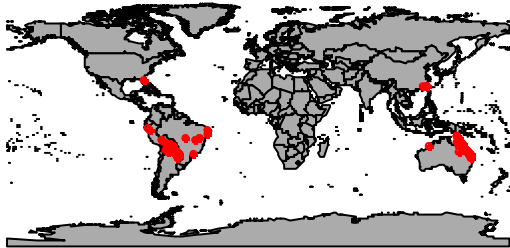
Native range: South America

Exotic range within Australia: QLD, WA

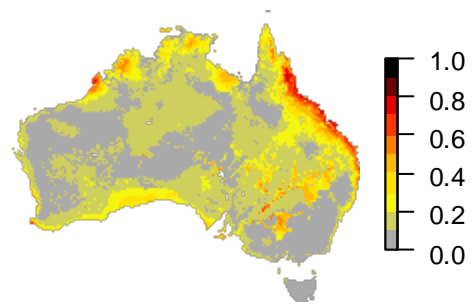
Dispersal mode: ABIOTIC - vehicles, agriculture, refuse, garden waste

Gridded observations in Australia (excluding cultivated): 343

Observations



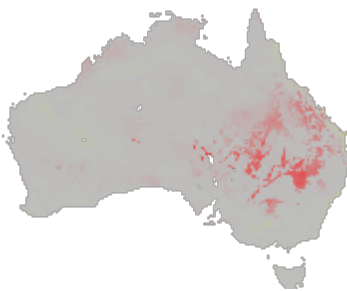
Current habitat suitability



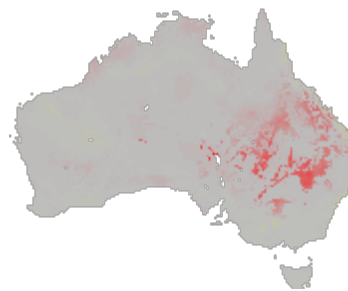
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

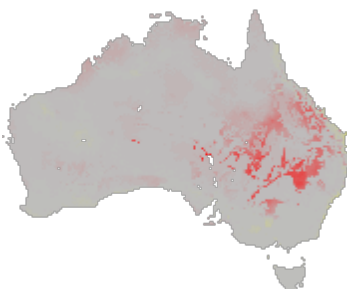
RCP4.5 2035



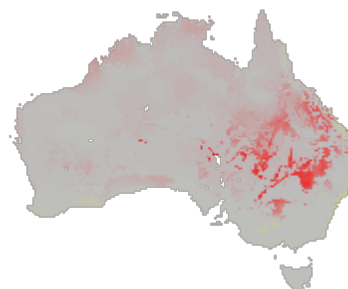
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus domestica

Family: Rosaceae

Growth form: Tree

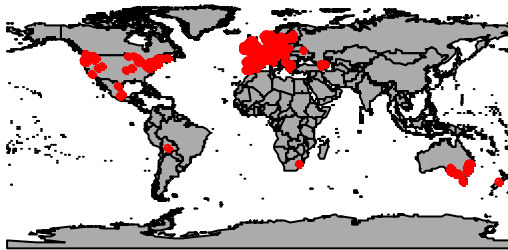
Native range: Europe, Mediterranean

Exotic range within Australia: NSW, SA, TAS, VIC

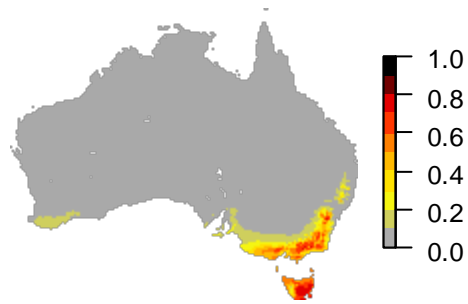
Dispersal mode: Abiotic - garden waste, refuse

Gridded observations in Australia (excluding cultivated): 66

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



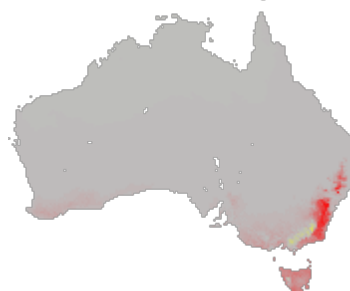
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus amygdalus

Family: Rosaceae

Growth form: Tree

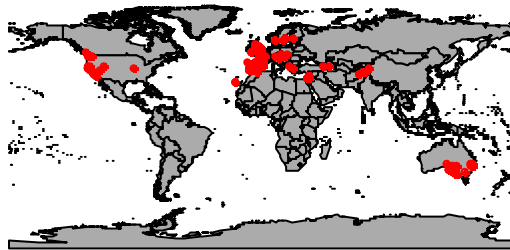
Native range: Not available

Exotic range within Australia: VIC, SA, NSW

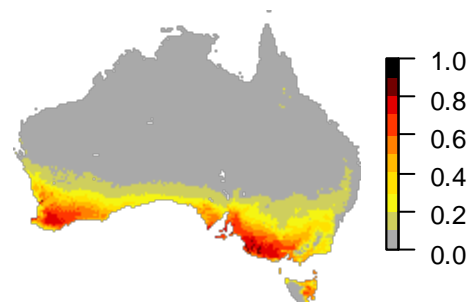
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 50

Observations



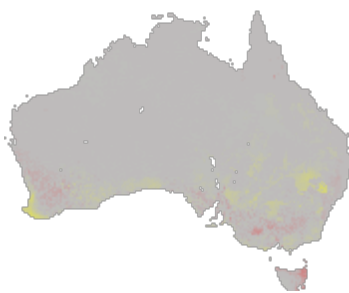
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



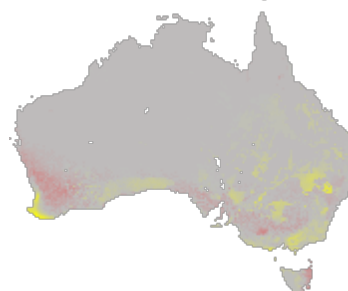
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus armeniaca

Family: Rosaceae

Growth form: Tree

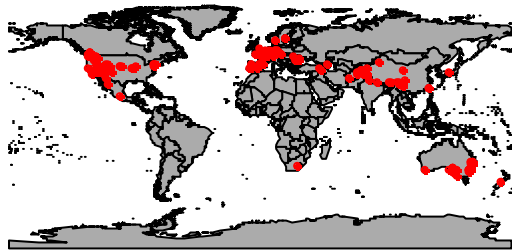
Native range: Asia

Exotic range within Australia: ACT, NSW, QLD, SA, WA

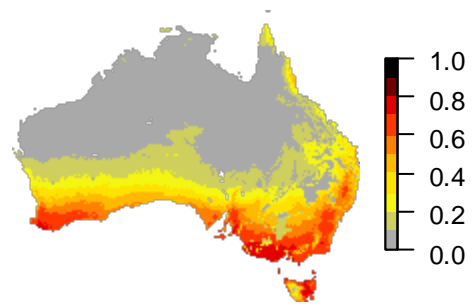
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 22

Observations



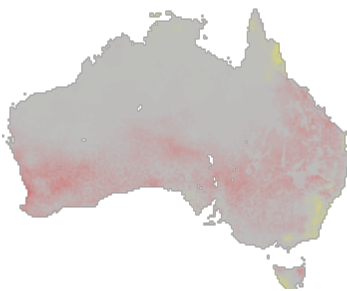
Current habitat suitability



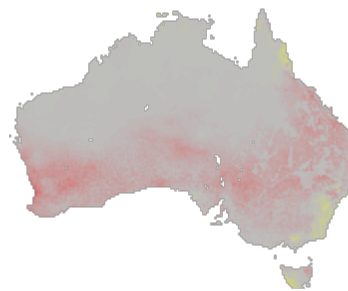
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

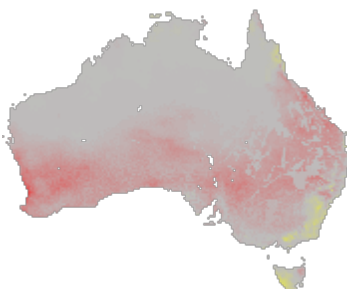
RCP4.5 2035



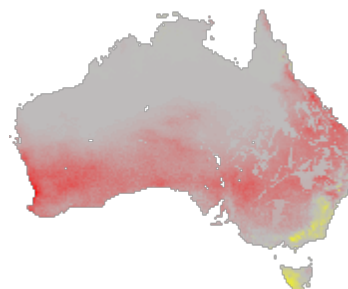
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus avium

Family: Rosaceae

Growth form: Tree

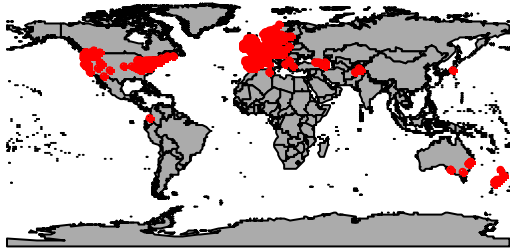
Native range: Middle East, western Asia, central Asia, Europe

Exotic range within Australia: NSW, SA, VIC

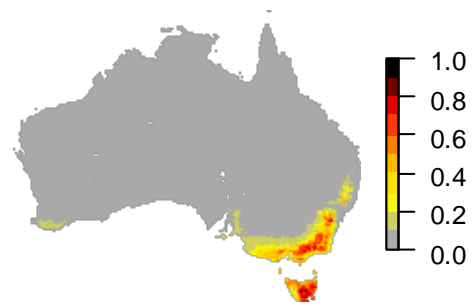
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 200

Observations



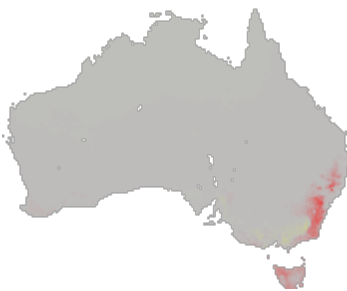
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



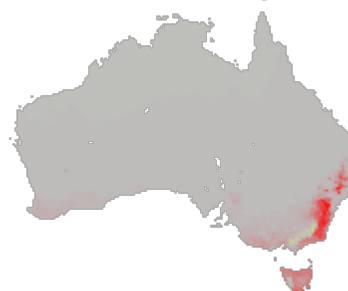
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus cerasifera

Family: Rosaceae

Growth form: Shrub, Tree

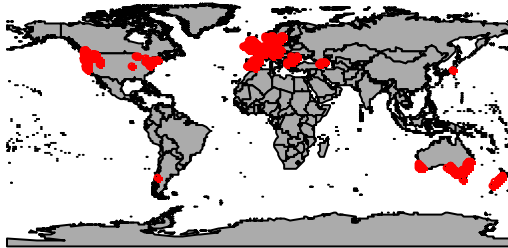
Native range: Asia, Europe, western Asia

Exotic range within Australia: ACT, NSW, SA, TAS, VIC, WA

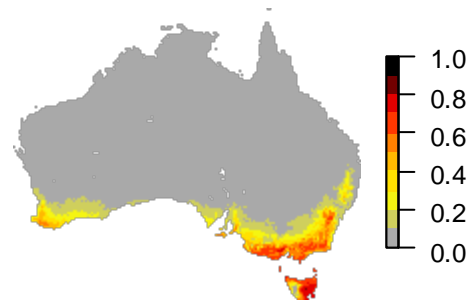
Dispersal mode: BIOTIC - animal, bird

Gridded observations in Australia (excluding cultivated): 63

Observations



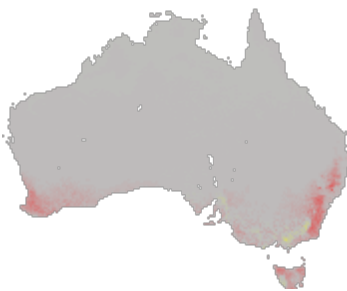
Current habitat suitability



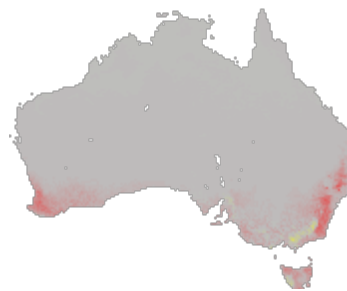
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

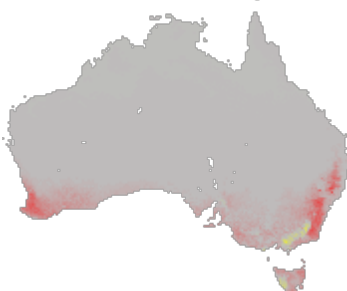
RCP4.5 2035



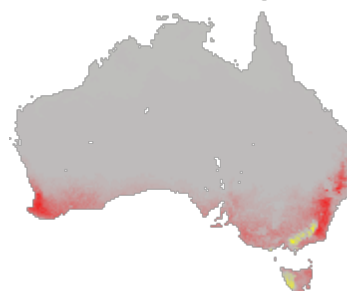
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus laurocerasus

Family: Rosaceae

Growth form: Tree

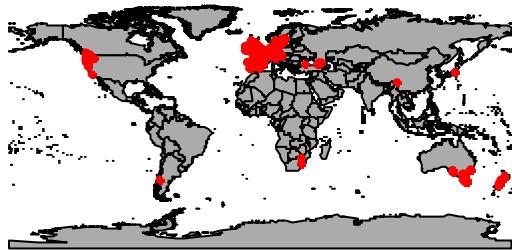
Native range: Middle East, western Asia, central Asia, South-east Europe

Exotic range within Australia: NSW, SA, TAS, VIC

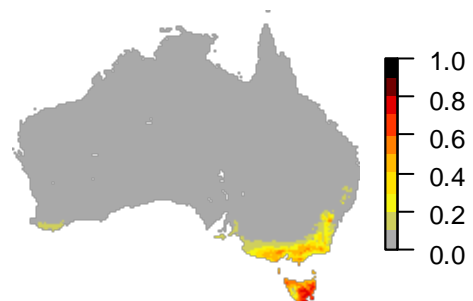
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 60

Observations



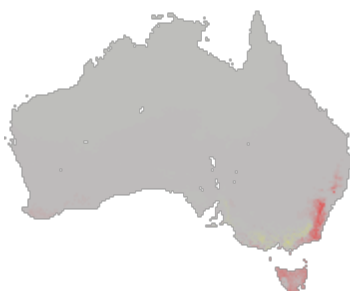
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus persica

Family: Rosaceae

Growth form: Tree

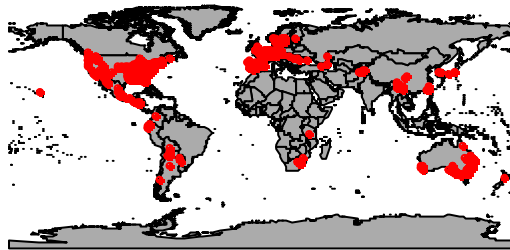
Native range: Asia

Exotic range within Australia: ACT, NSW, QLD, SA, VIC, WA, Pacific offshore islands

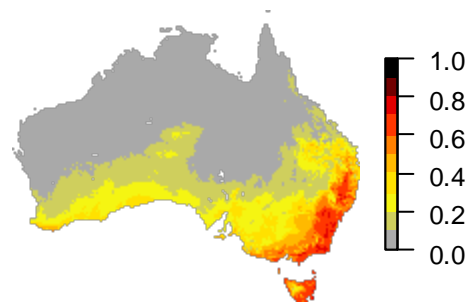
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 28

Observations



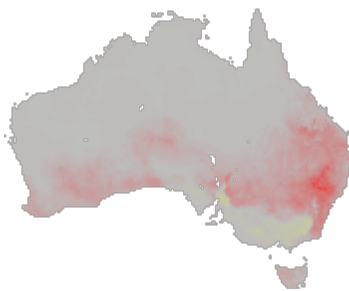
Current habitat suitability



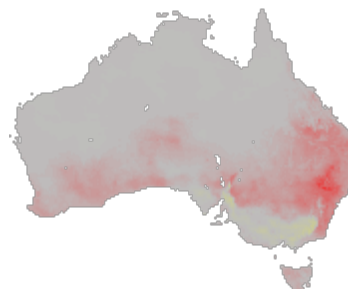
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

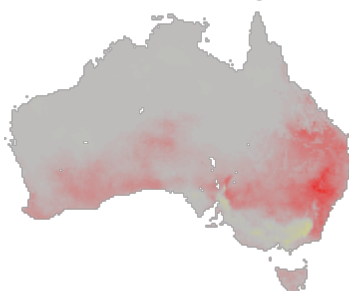
RCP4.5 2035



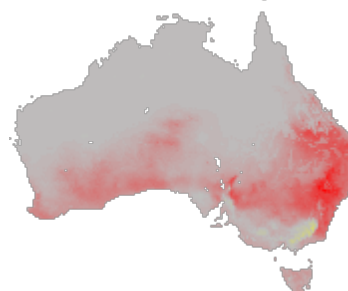
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus serotina

Family: Rosaceae

Growth form: Shrub, Tree

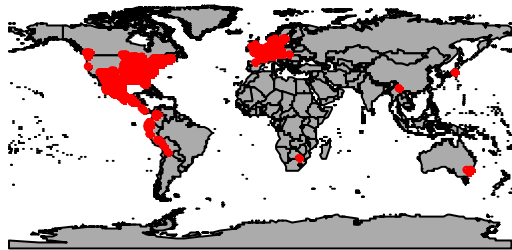
Native range: North America, Central America

Exotic range within Australia: ACT, NSW

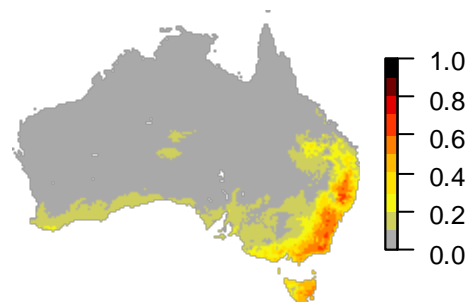
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 218

Observations



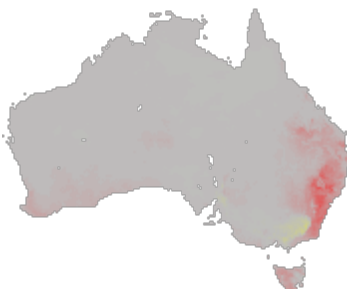
Current habitat suitability



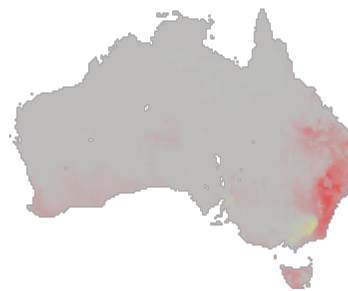
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

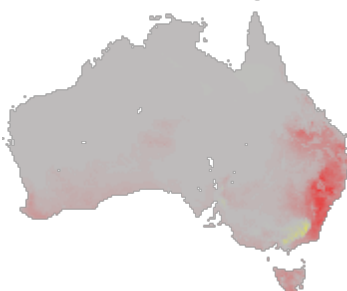
RCP4.5 2035



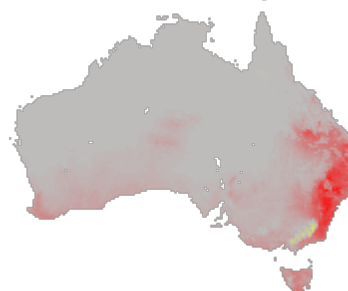
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Prunus spinosa

Family: Rosaceae

Growth form: Tree

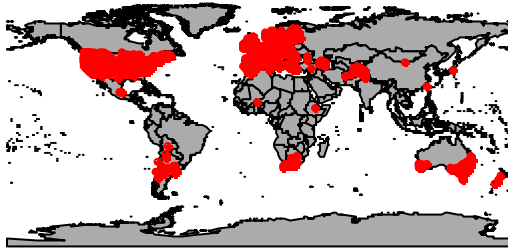
Native range: Middle East, western Asia, central Asia, Europe

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC, WA

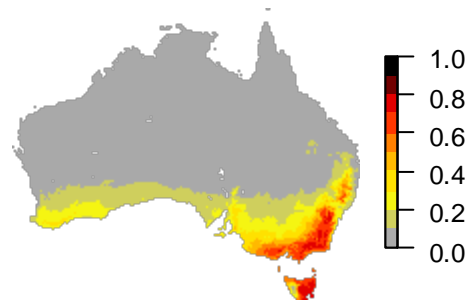
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 12

Observations



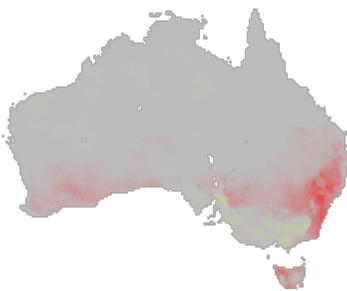
Current habitat suitability



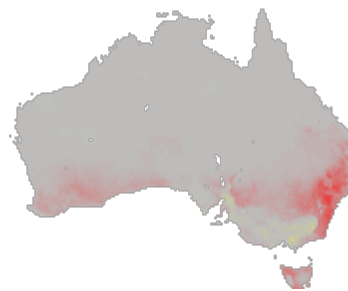
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

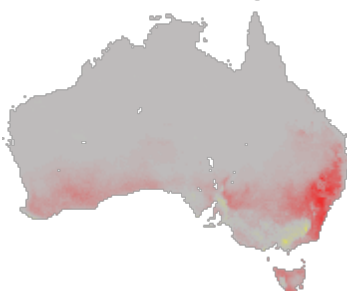
RCP4.5 2035



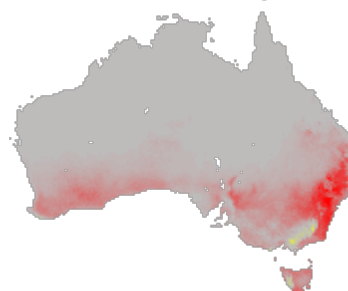
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Pycreus flavescens

Family: Cyperaceae

Growth form: Graminoid

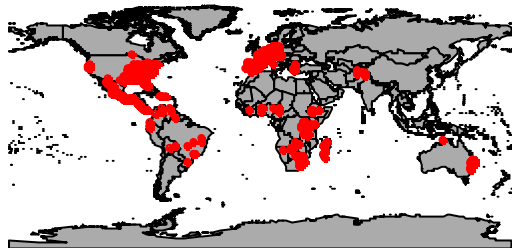
Native range: Not available

Exotic range within Australia: NSW, QLD, NT

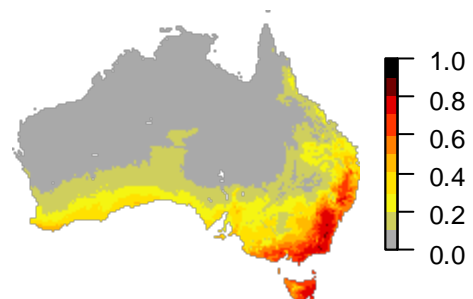
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 9

Observations



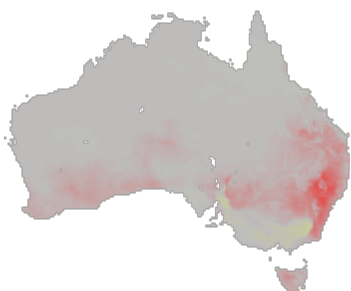
Current habitat suitability



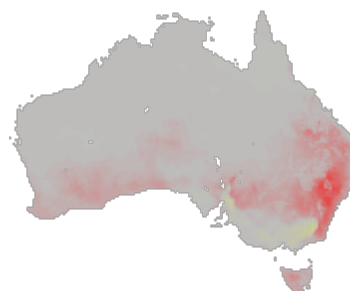
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

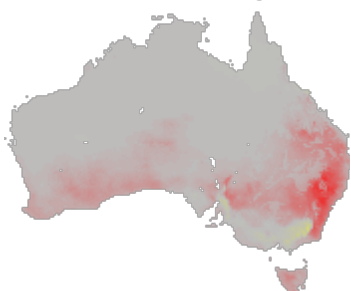
RCP4.5 2035



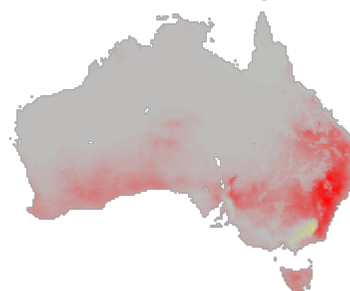
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Quercus ilex

Family: Fagaceae

Growth form: Tree

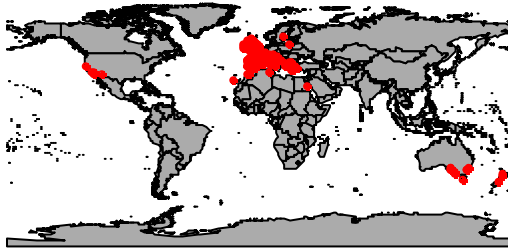
Native range: Africa, Middle East, Europe

Exotic range within Australia: ACT, NSW, SA, TAS

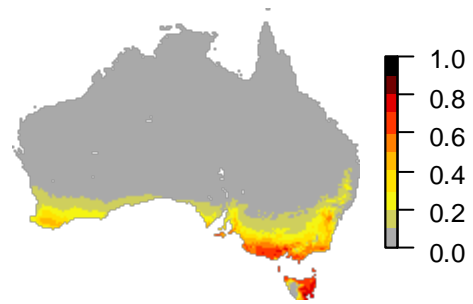
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 19

Observations



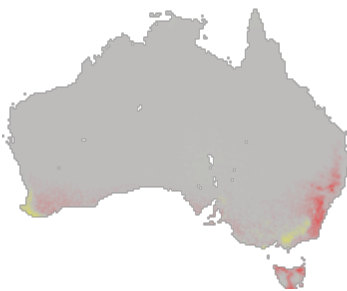
Current habitat suitability



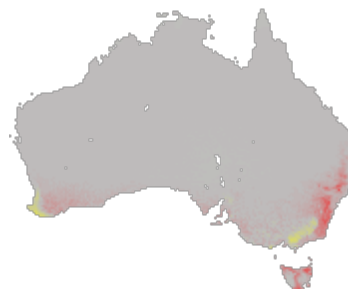
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

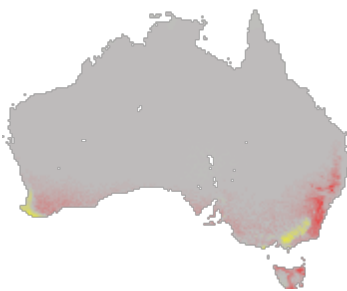
RCP4.5 2035



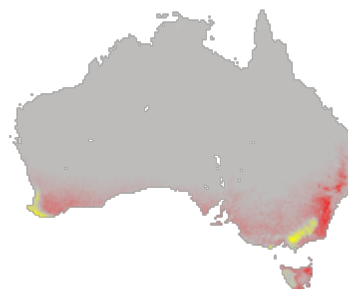
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Quercus robur

Family: Fagaceae

Growth form: Tree

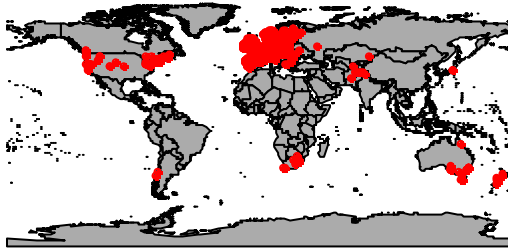
Native range: western Asia, central Asia, Middle East, Europe

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC

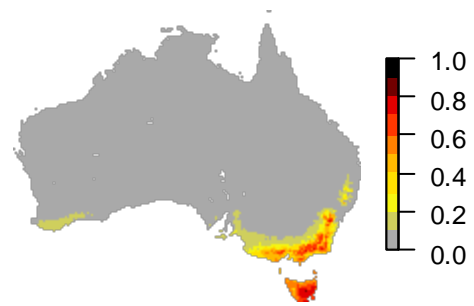
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 43

Observations



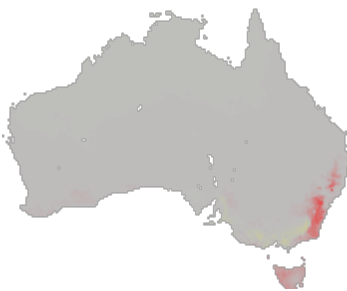
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

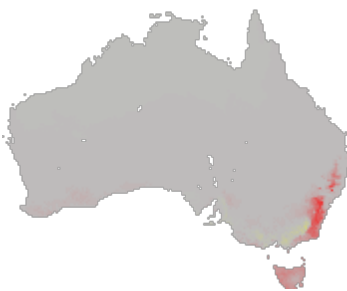
RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Reseda alba

Family: Resedaceae

Growth form: Herb

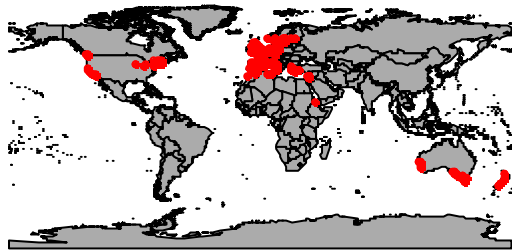
Native range: Africa, Europe

Exotic range within Australia: SA, TAS, VIC, WA

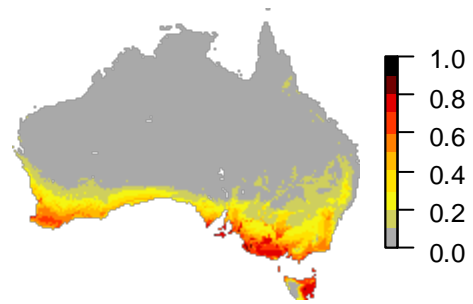
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 65

Observations



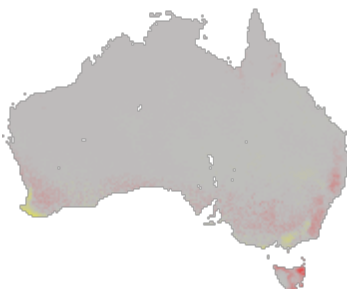
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

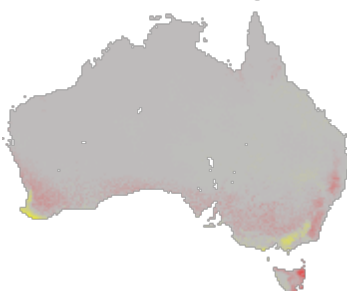
RCP4.5 2035



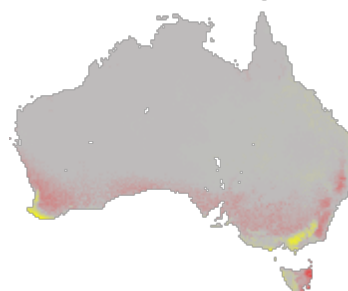
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Retama monosperma

Family: Fabaceae

Growth form: Shrub

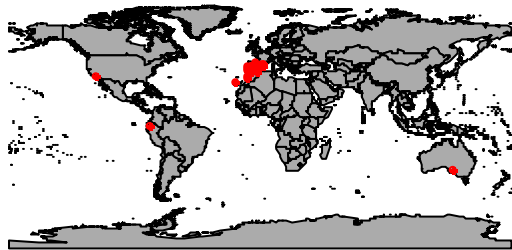
Native range: northern Africa, Middle East, Europe

Exotic range within Australia: SA

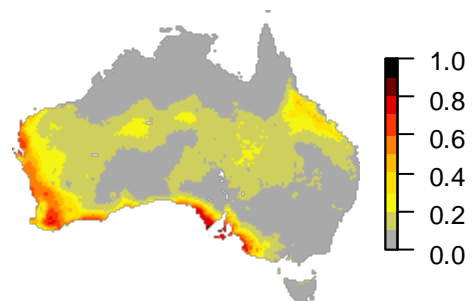
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 4

Observations



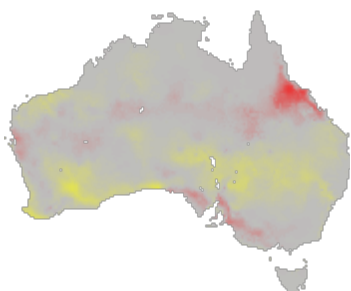
Current habitat suitability



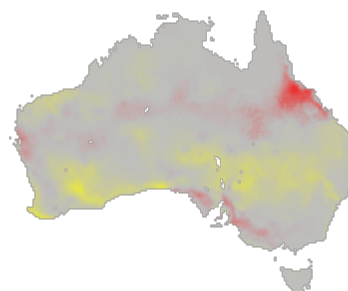
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

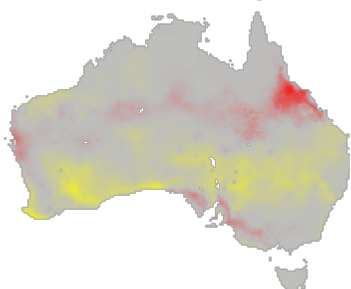
RCP4.5 2035



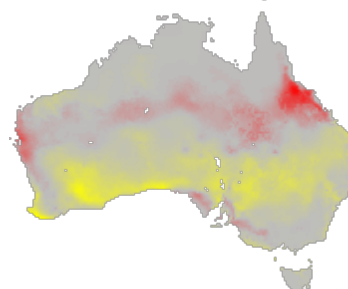
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Rubus idaeus

Family: Rosaceae

Growth form: Shrub

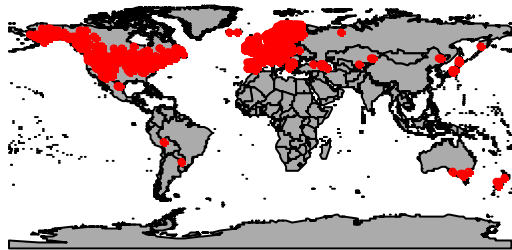
Native range: Asia, Europe

Exotic range within Australia: ACT, SA, VIC

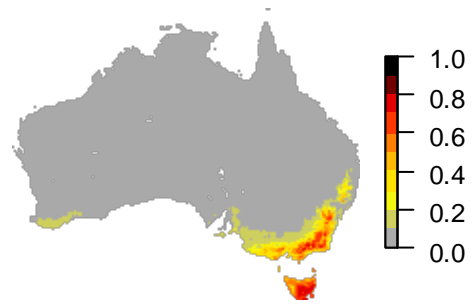
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 15

Observations



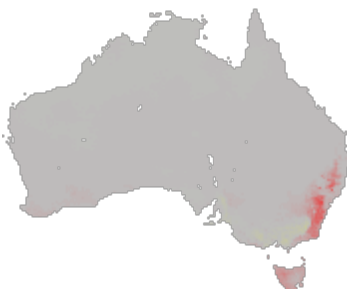
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

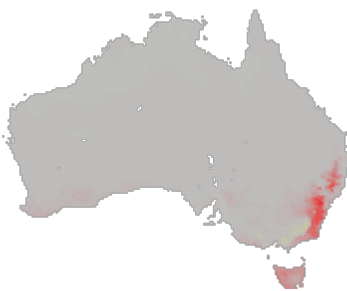
RCP4.5 2035



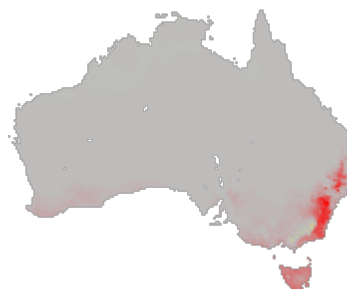
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Rubus laciniatus

Family: Rosaceae

Growth form: Shrub

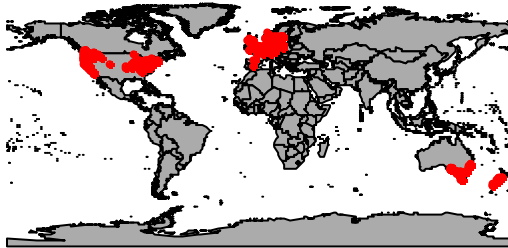
Native range: Africa

Exotic range within Australia: NSW, SA, TAS, VIC

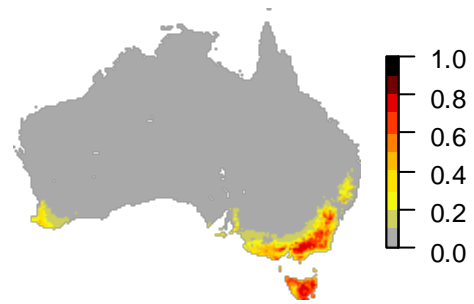
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 185

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



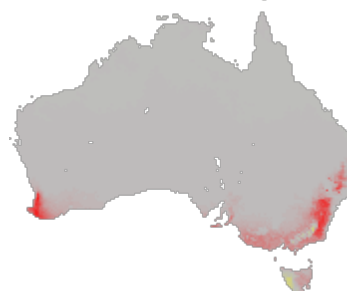
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Schinus molle

Family: Anacardiaceae

Growth form: Tree

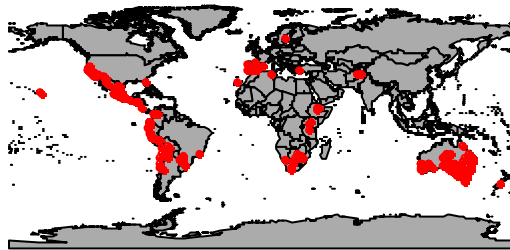
Native range: South America, Central America, Mexico

Exotic range within Australia: ACT, NSW, NT, QLD, SA, TAS, VIC, WA

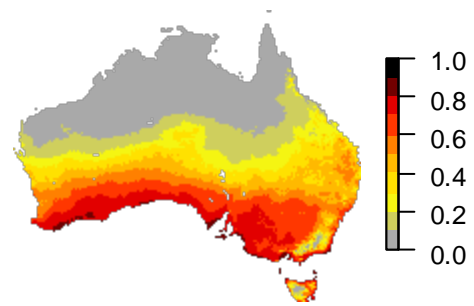
Dispersal mode: BIOTIC - bird; ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 280

Observations



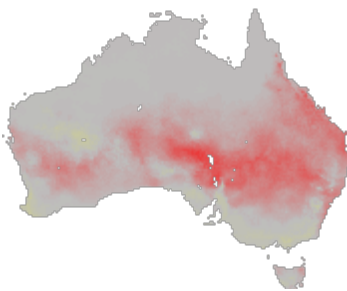
Current habitat suitability



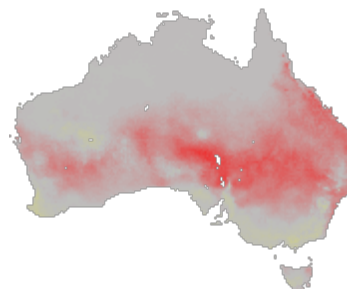
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

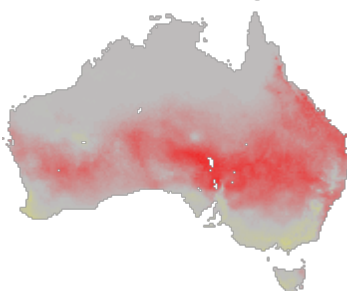
RCP4.5 2035



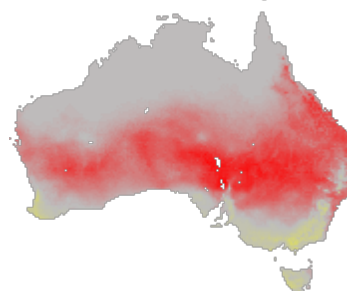
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Senna didymobotrya

Family: Fabaceae

Growth form: Herb, Shrub

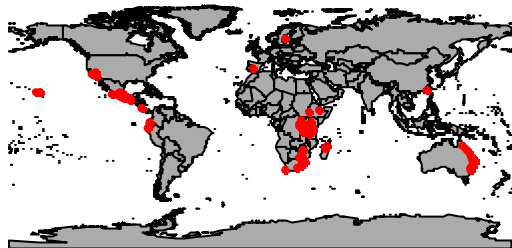
Native range: tropical Africa

Exotic range within Australia: NSW, QLD

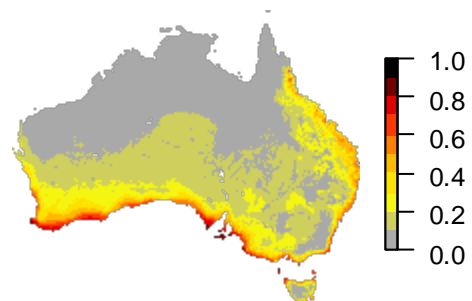
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 25

Observations



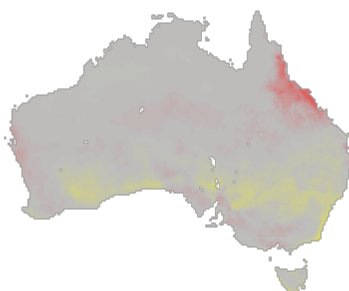
Current habitat suitability



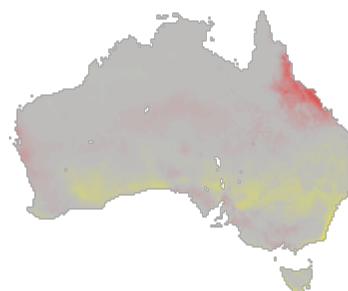
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

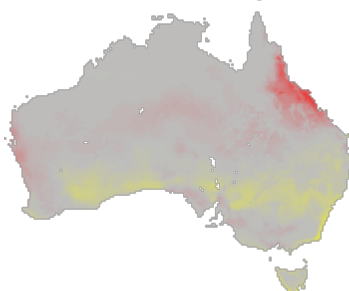
RCP4.5 2035



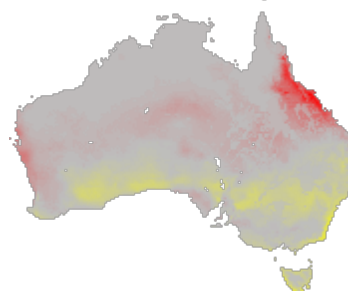
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Senna multiglandulosa

Family: Fabaceae

Growth form: Shrub, Tree

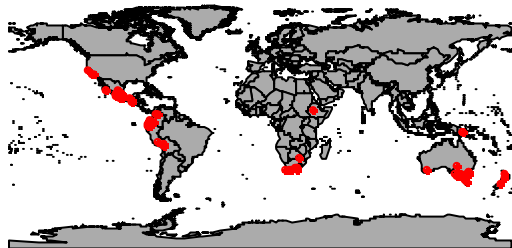
Native range: Central America, Mexico, South America

Exotic range within Australia: NSW, SA, TAS, VIC, WA

Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 35

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

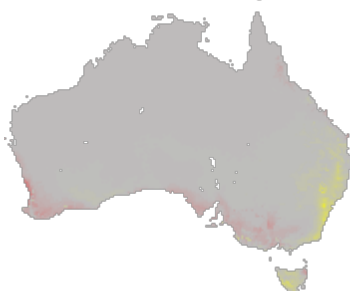
RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Senna siamea

Family: Fabaceae

Growth form: Tree

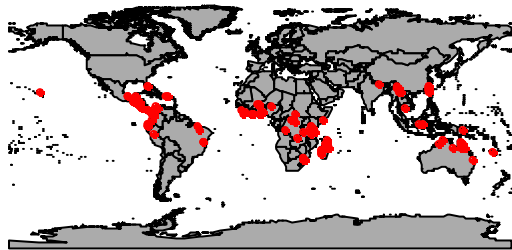
Native range: south-east Asia

Exotic range within Australia: NT, QLD, WA

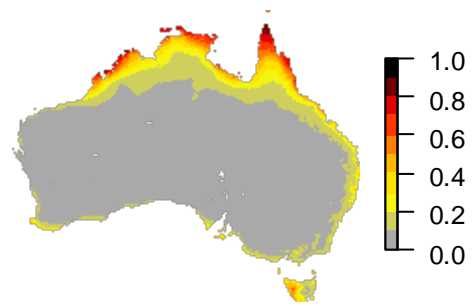
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 37

Observations



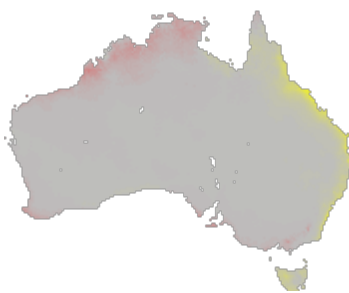
Current habitat suitability



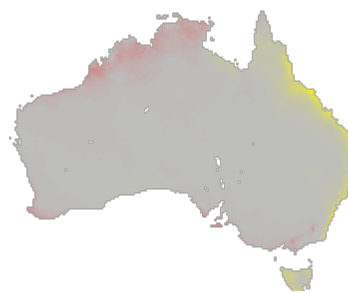
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

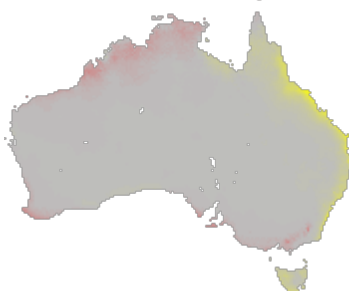
RCP4.5 2035



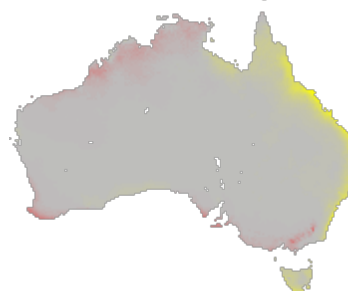
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Setaria palmifolia

Family: Poaceae

Growth form: Graminoid

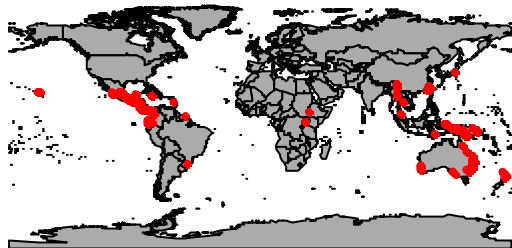
Native range: India, Pakistan, Bangladesh, Asia

Exotic range within Australia: NSW, QLD, SA, WA, Pacific offshore islands

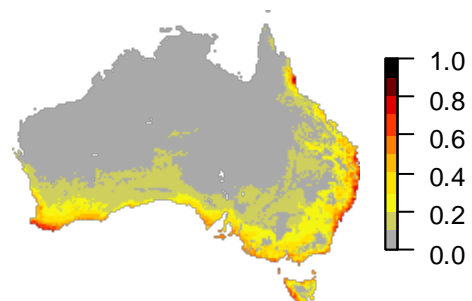
Dispersal mode: BIOTIC - bird, human; ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 75

Observations



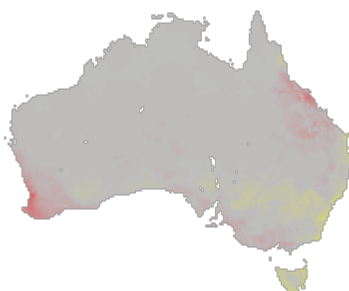
Current habitat suitability



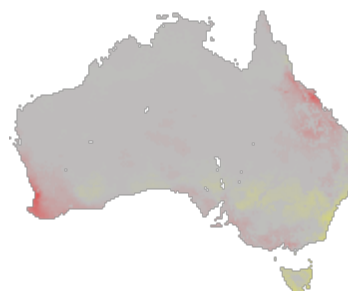
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

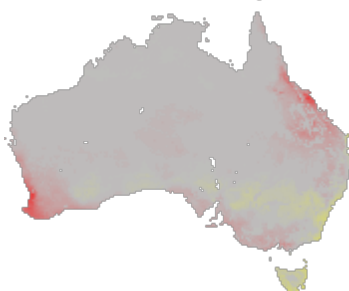
RCP4.5 2035



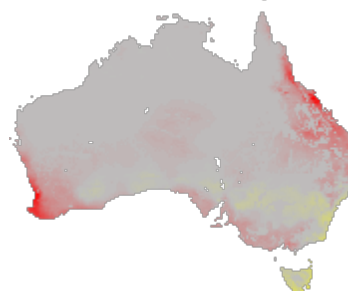
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Setaria sphacelata

Family: Poaceae

Growth form: Graminoid

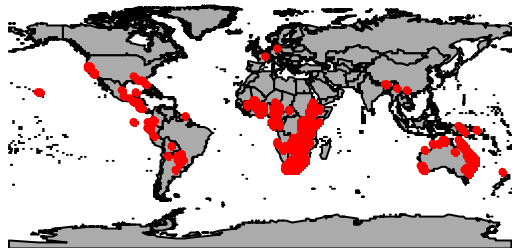
Native range: Africa, Middle East

Exotic range within Australia: NSW, NT, QLD, WA, Indian Ocean offshore islands

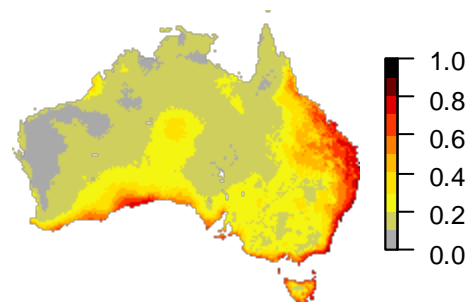
Dispersal mode: BIOTIC - human; ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 202

Observations



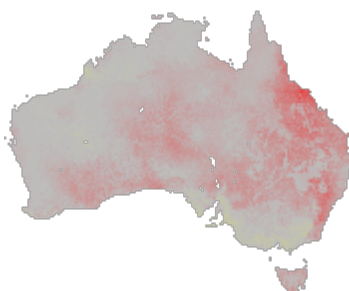
Current habitat suitability



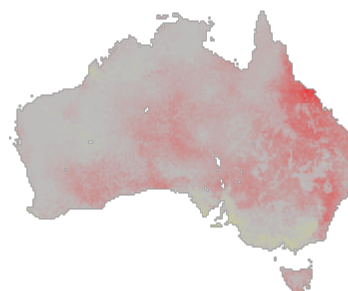
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

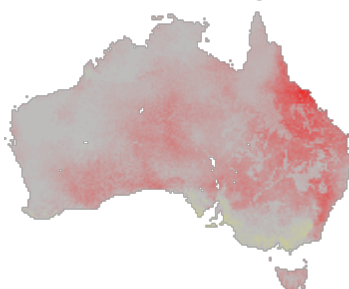
RCP4.5 2035



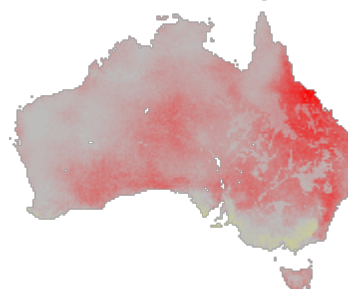
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum abutiloides

Family: Solanaceae

Growth form: Shrub

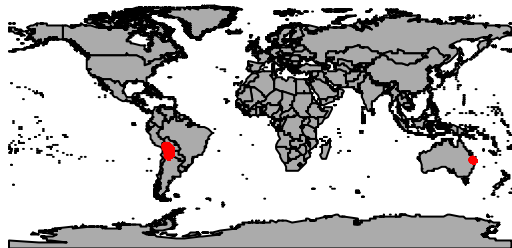
Native range: South America

Exotic range within Australia: QLD

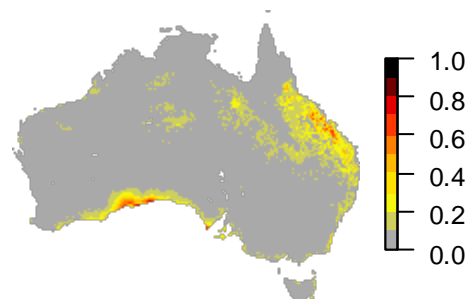
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 34

Observations



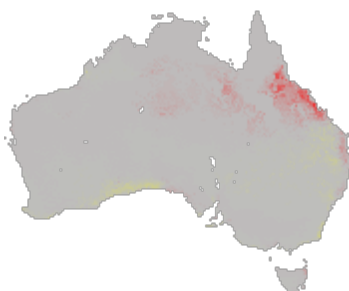
Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

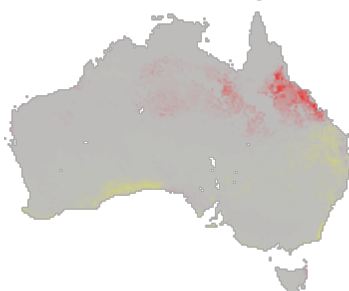
RCP4.5 2035



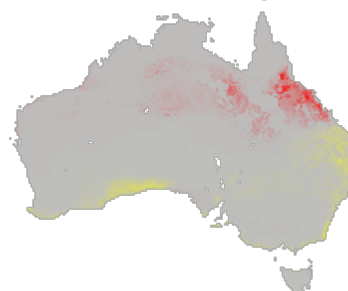
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum americanum

Family: Solanaceae

Growth form: Herb

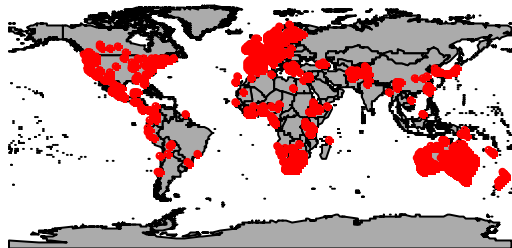
Native range: Not available

Exotic range within Australia: TAS, VIC, SA, WA, NSW, QLD, ACT, NT

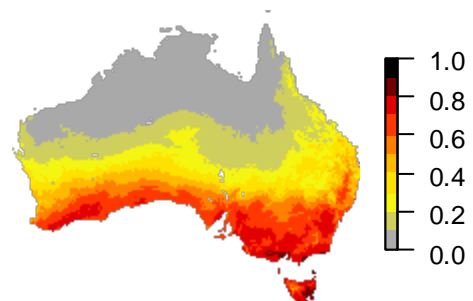
Dispersal mode: BIOTIC - bird, animal; ABIOTIC - water, garden waste, vehicles

Gridded observations in Australia (excluding cultivated): 89

Observations



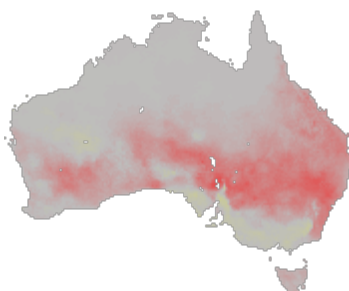
Current habitat suitability



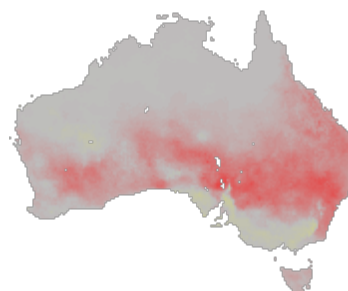
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

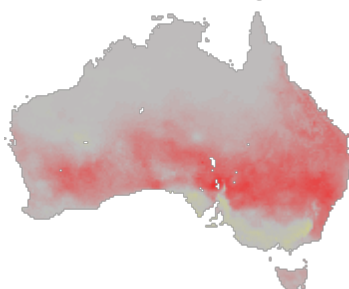
RCP4.5 2035



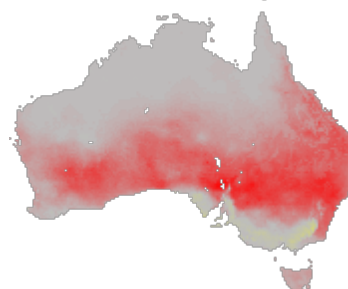
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum asperolanatum

Family: Solanaceae

Growth form: Herb

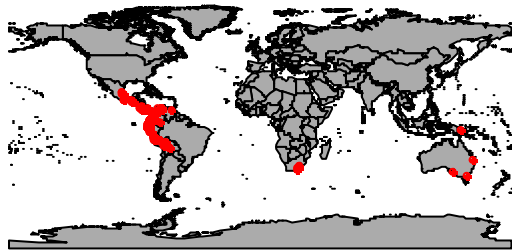
Native range: Not available

Exotic range within Australia: VIC, QLD, NT

Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 12

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum capsicoides

Family: Solanaceae

Growth form: Herb, Shrub

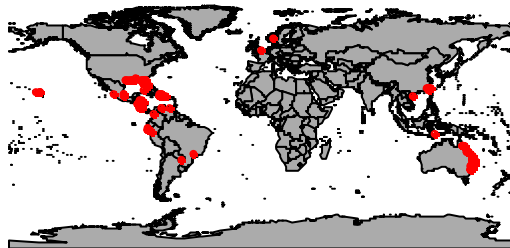
Native range: South America

Exotic range within Australia: NSW, QLD

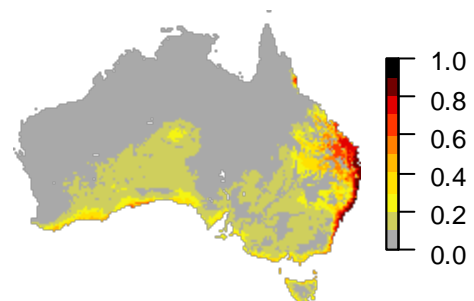
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 115

Observations



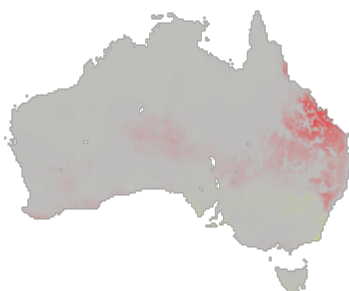
Current habitat suitability



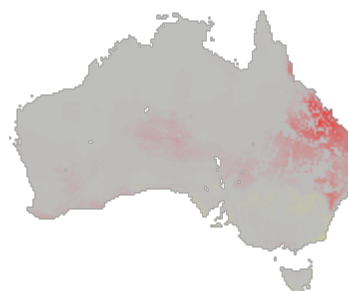
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

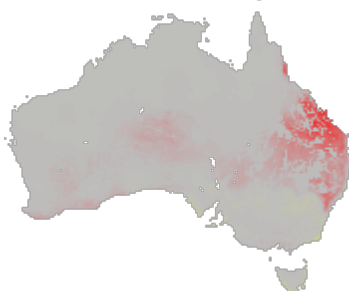
RCP4.5 2035



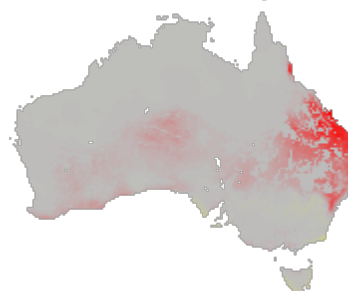
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum dulcamara

Family: Solanaceae

Growth form: Herb, Vine, Shrub

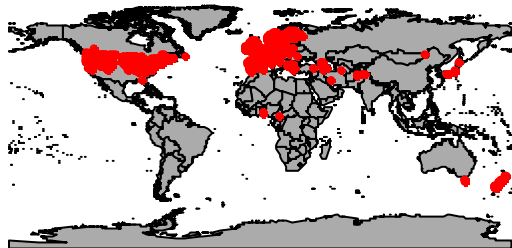
Native range: Africa, Asia, India, Pakistan, Bangladesh, Europe

Exotic range within Australia: TAS

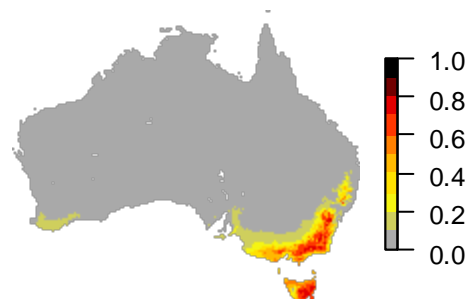
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 18

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



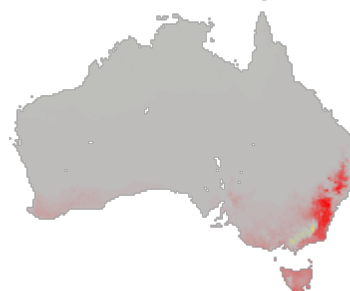
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum furcatum

Family: Solanaceae

Growth form: Herb

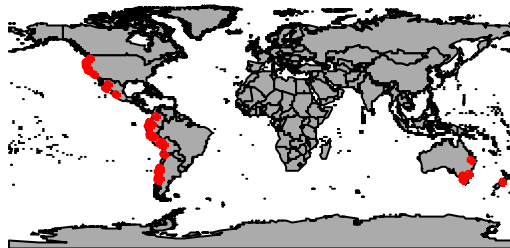
Native range: South America

Exotic range within Australia: QLD, TAS, VIC

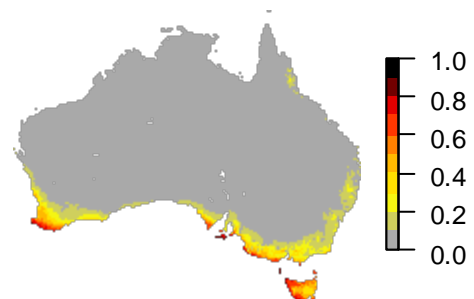
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 27

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

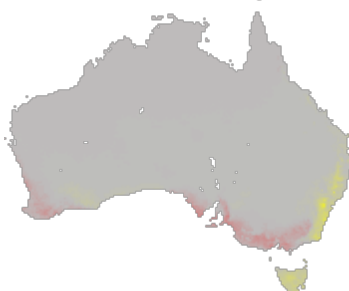
RCP4.5 2035



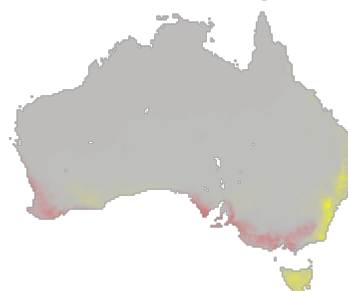
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum laxum

Family: Solanaceae

Growth form: Vine

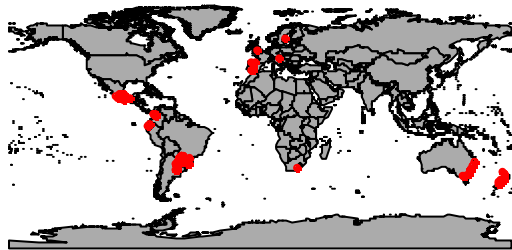
Native range: South America

Exotic range within Australia: NSW, VIC

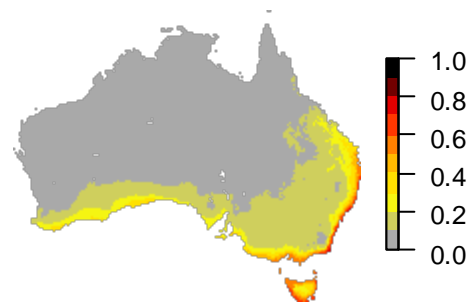
Dispersal mode: ABIOTIC - garden waste

Gridded observations in Australia (excluding cultivated): 12

Observations



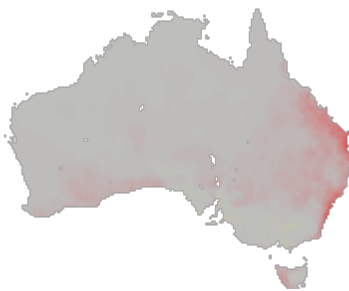
Current habitat suitability



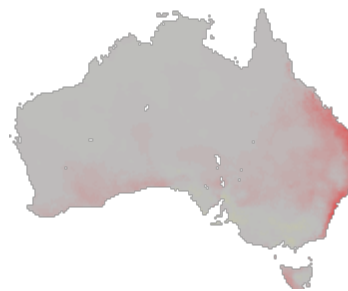
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

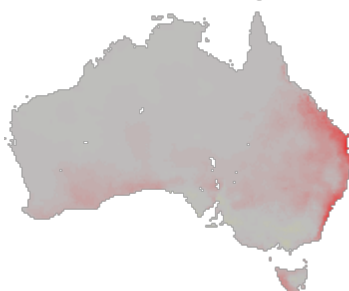
RCP4.5 2035



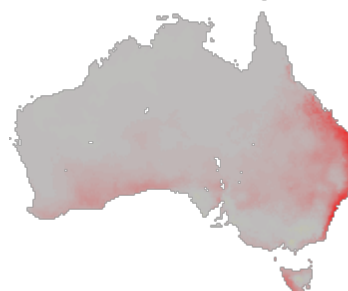
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum lycopersicon

Family: Solanaceae

Growth form: Herb

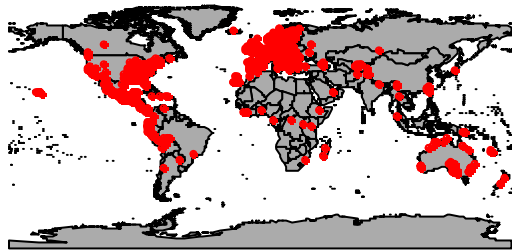
Native range: South America

Exotic range within Australia: ACT, NSW, NT, QLD, SA, WA, Indian Ocean offshore islands

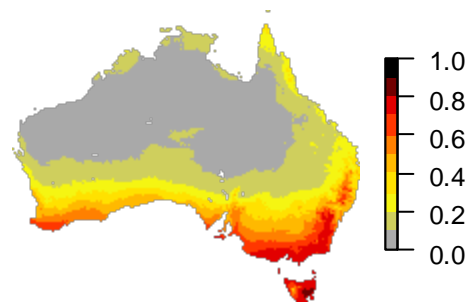
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 72

Observations



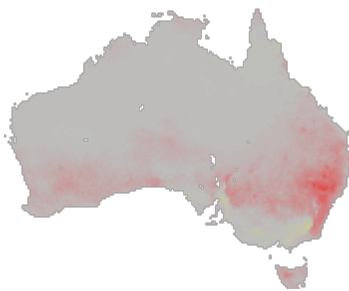
Current habitat suitability



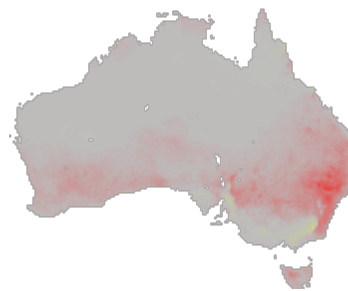
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

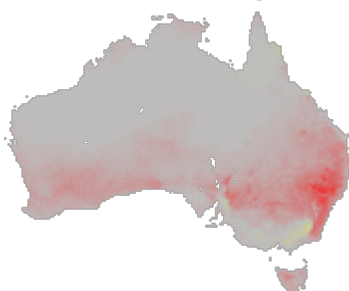
RCP4.5 2035



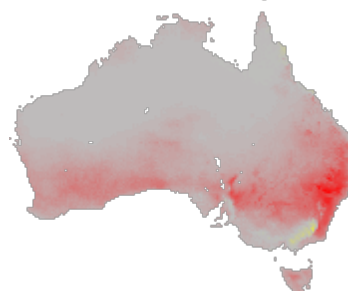
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum melongena

Family: Solanaceae

Growth form: Herb

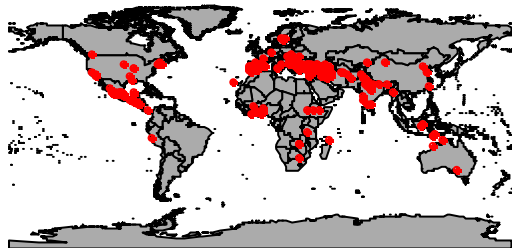
Native range: Africa, Asia

Exotic range within Australia: NT, SA, WA

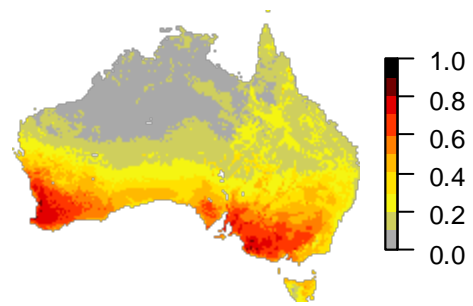
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 8

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



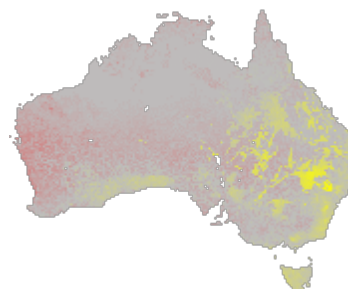
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum nigrescens

Family: Solanaceae

Growth form: Herb, Shrub

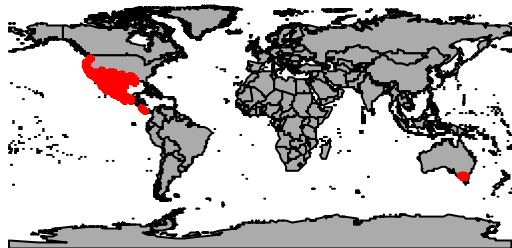
Native range: Not available

Exotic range within Australia: VIC

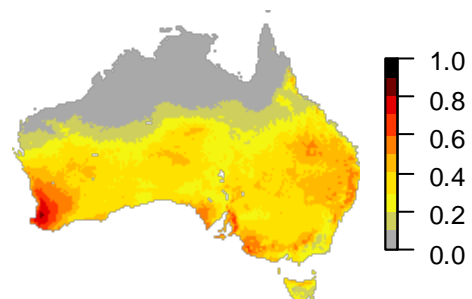
Dispersal mode: BIOTIC - animal, bird; ABIOTIC - water, vehicles

Gridded observations in Australia (excluding cultivated): 1581

Observations



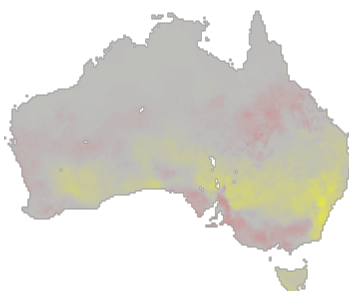
Current habitat suitability



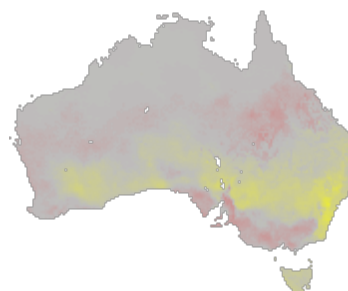
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

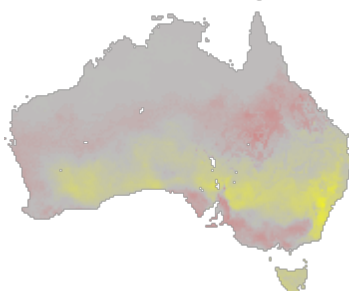
RCP4.5 2035



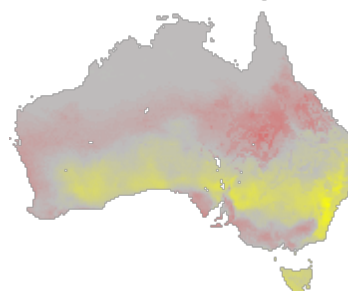
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum orbiculatum

Family: Solanaceae

Growth form: Shrub

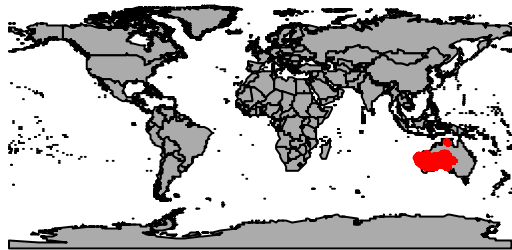
Native range: Not available

Exotic range within Australia: WA, SA, NT

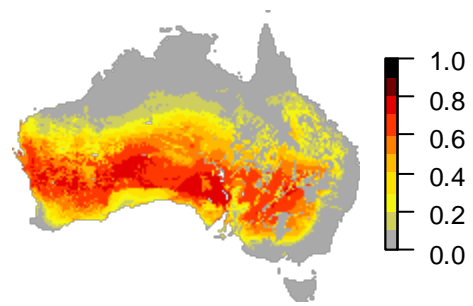
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 569

Observations



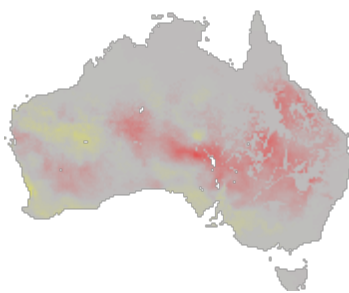
Current habitat suitability



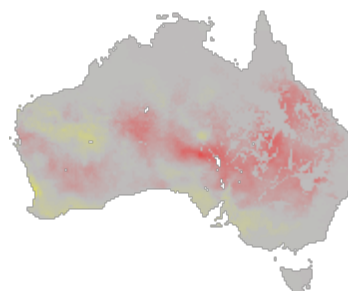
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

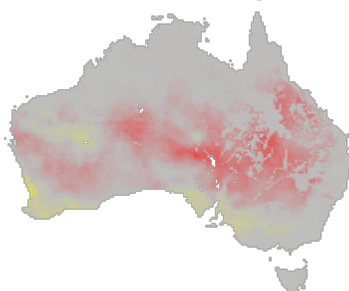
RCP4.5 2035



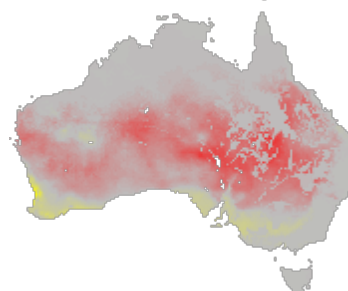
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum pseudocapsicum

Family: Solanaceae

Growth form: Shrub

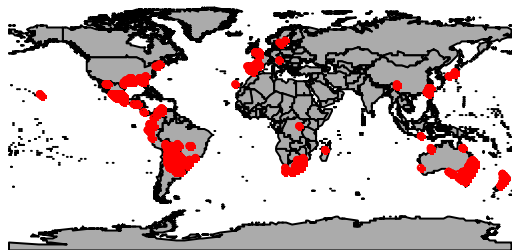
Native range: Central America, Mexico, South America

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC, WA

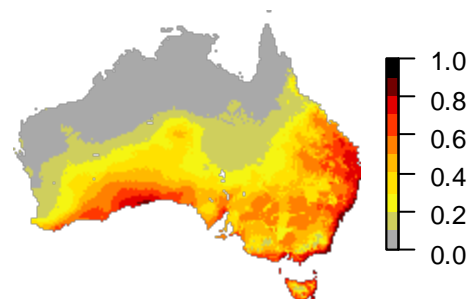
Dispersal mode: ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 282

Observations



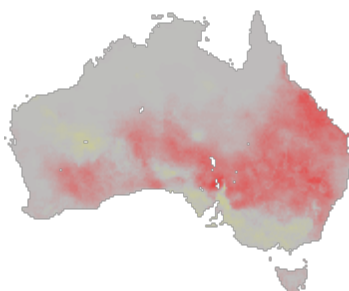
Current habitat suitability



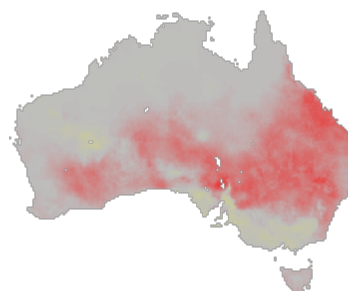
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

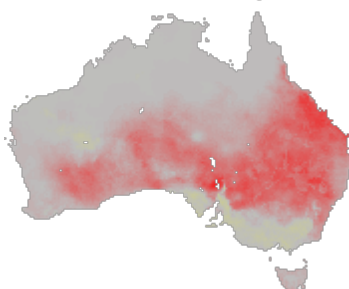
RCP4.5 2035



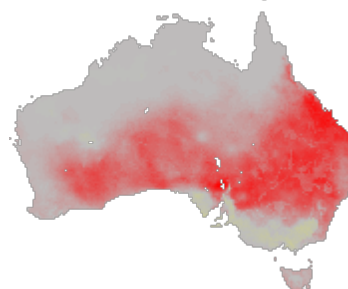
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum radicans

Family: Solanaceae

Growth form: Herb

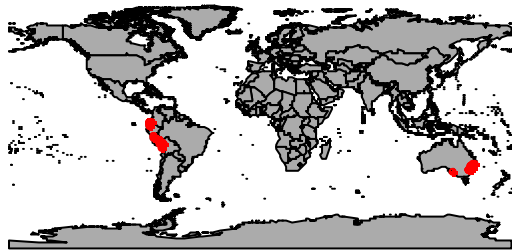
Native range: South America

Exotic range within Australia: NSW, SA

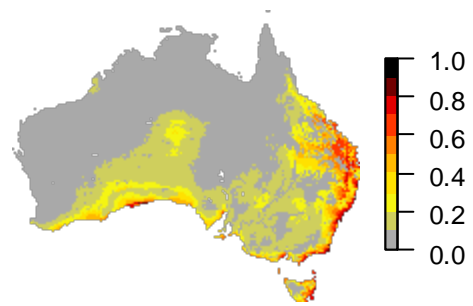
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 37

Observations



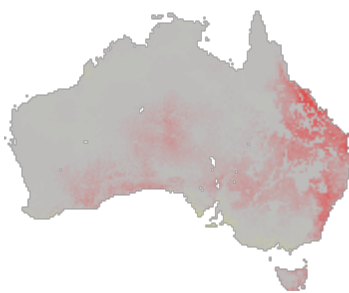
Current habitat suitability



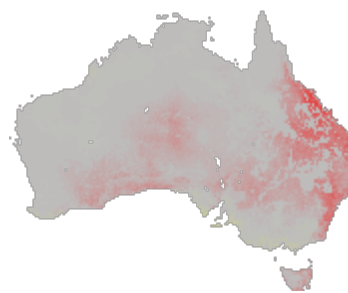
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

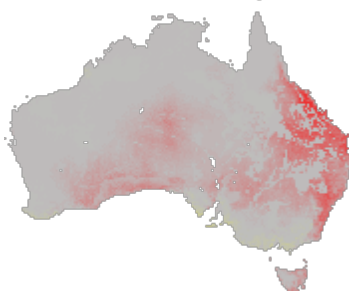
RCP4.5 2035



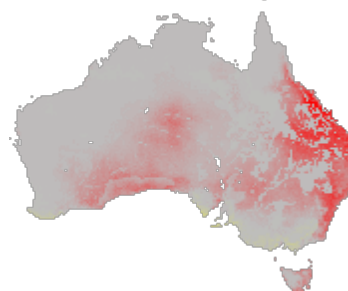
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum sisymbriifolium

Family: Solanaceae

Growth form: Herb

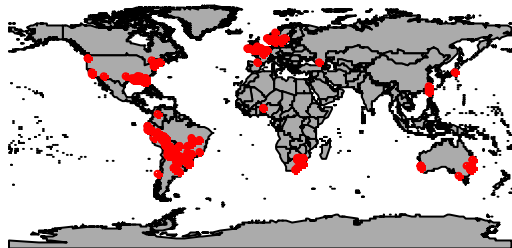
Native range: South America

Exotic range within Australia: NSW, QLD, VIC, WA

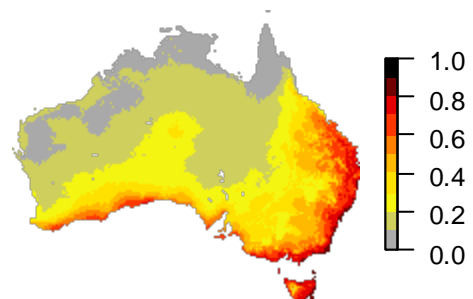
Dispersal mode: BIOTIC - bird

Gridded observations in Australia (excluding cultivated): 59

Observations



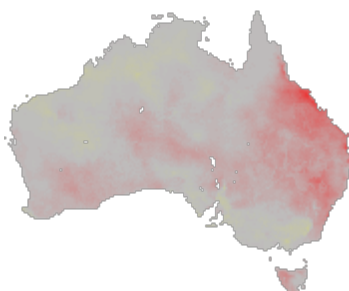
Current habitat suitability



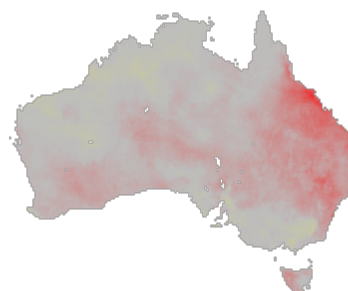
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

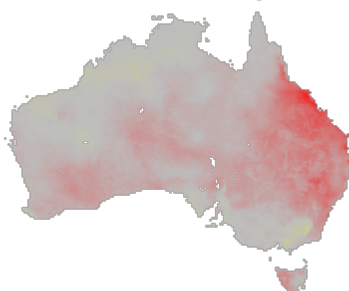
RCP4.5 2035



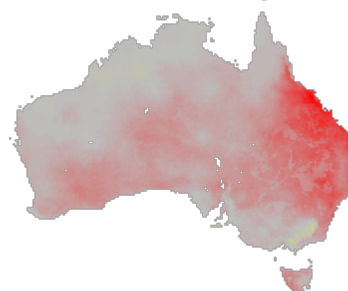
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum tuberosum

Family: Solanaceae

Growth form: Herb

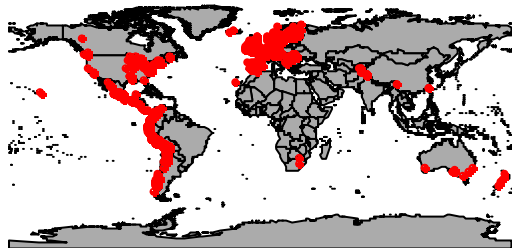
Native range: Not available

Exotic range within Australia: ACT, NSW, SA, VIC, WA

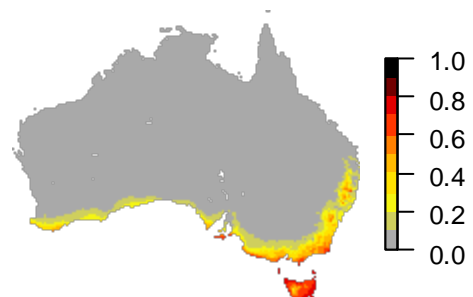
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 16

Observations



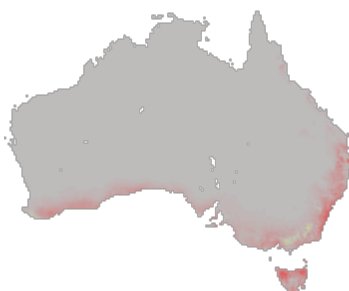
Current habitat suitability



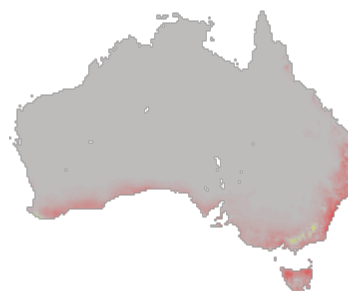
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

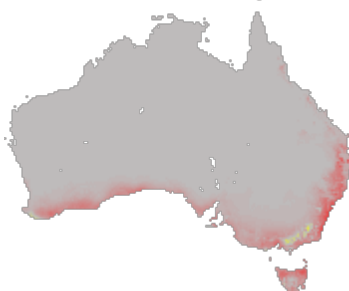
RCP4.5 2035



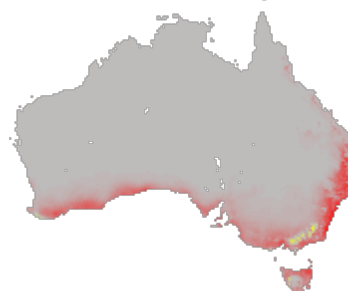
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Solanum villosum

Family: Solanaceae

Growth form: Herb

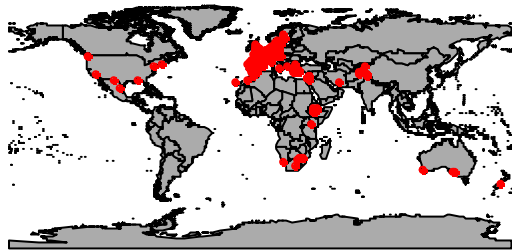
Native range: Europe

Exotic range within Australia: SA, WA

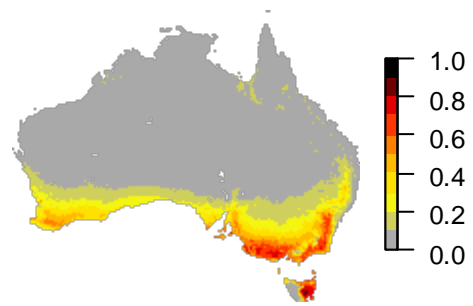
Dispersal mode: BIOTIC - animal, bird, human; ABIOTIC - livestock

Gridded observations in Australia (excluding cultivated): 20

Observations



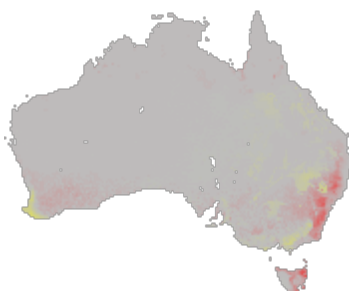
Current habitat suitability



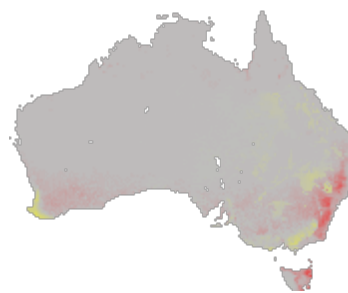
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

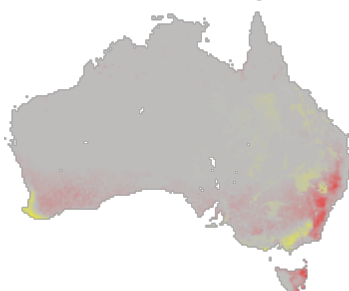
RCP4.5 2035



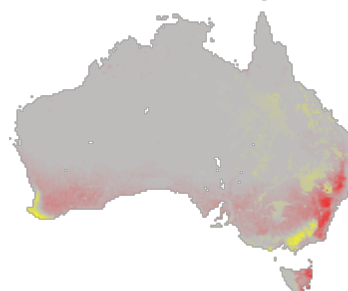
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Spergula pentandra

Family: Caryophyllaceae

Growth form: Herb

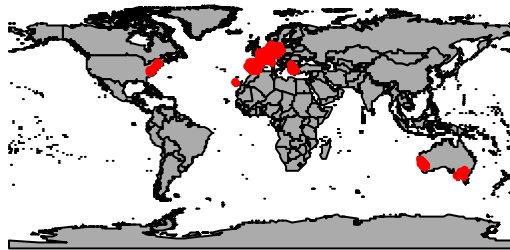
Native range: Atlantic Ocean Islands, northern Africa, Europe

Exotic range within Australia: NSW, VIC, WA

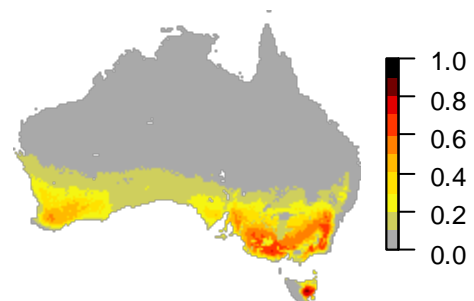
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 51

Observations



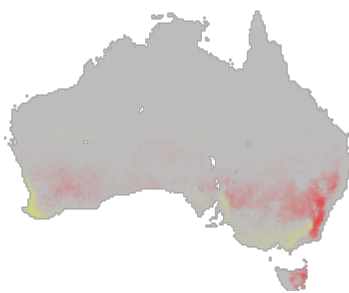
Current habitat suitability



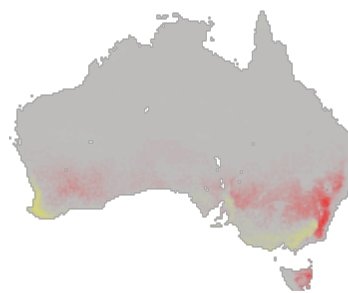
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

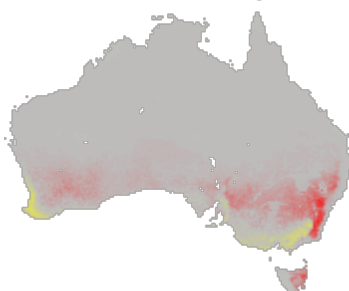
RCP4.5 2035



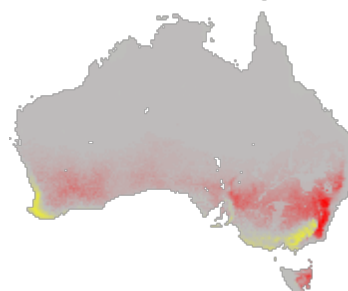
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Stylosanthes humilis

Family: Fabaceae

Growth form: Herb

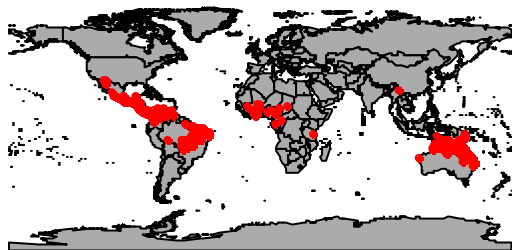
Native range: United States, Central America, Mexico, South America

Exotic range within Australia: NSW, NT, QLD, WA, Indian Ocean offshore islands

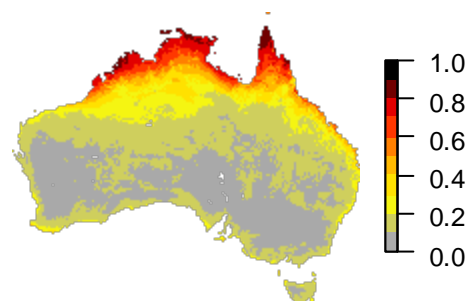
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 268

Observations



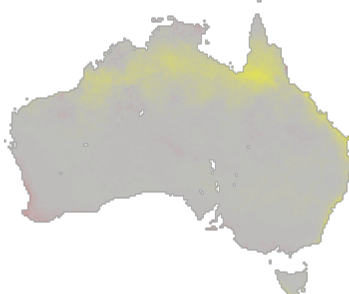
Current habitat suitability



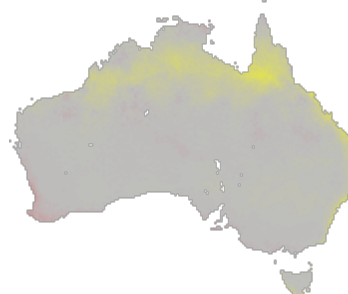
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

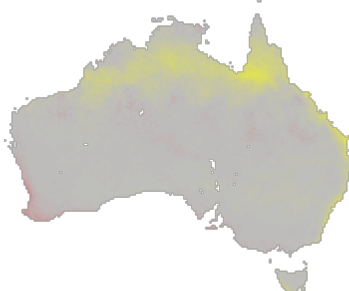
RCP4.5 2035



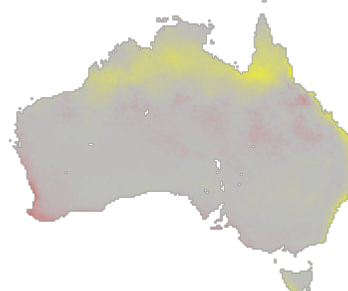
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Stylosanthes viscosa

Family: Fabaceae

Growth form: Herb

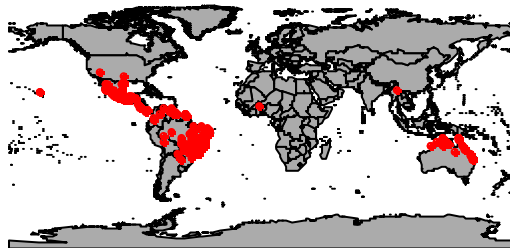
Native range: Central America, Mexico, South America

Exotic range within Australia: NT, QLD, WA

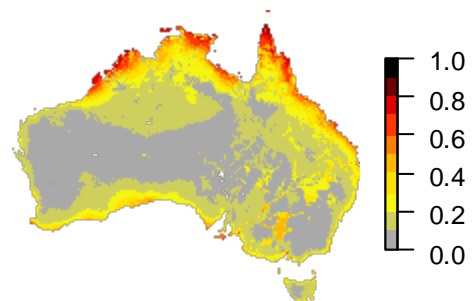
Dispersal mode: BIOTIC - human; ABIOTIC - livestock, vehicles

Gridded observations in Australia (excluding cultivated): 40

Observations



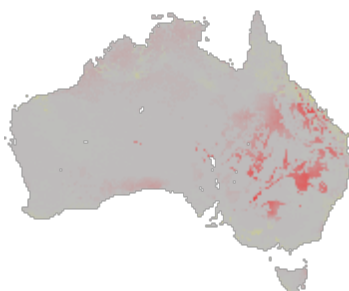
Current habitat suitability



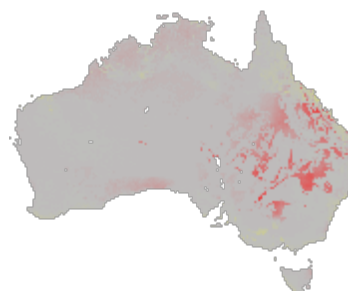
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

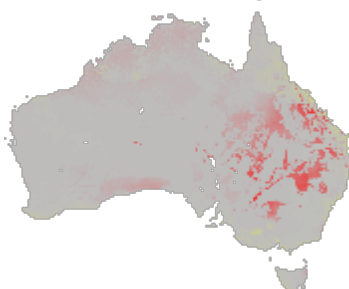
RCP4.5 2035



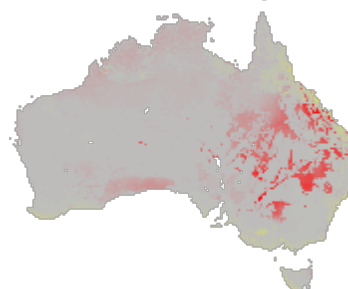
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Tarenaya hassleriana

Family: Cleomaceae

Growth form: Herb

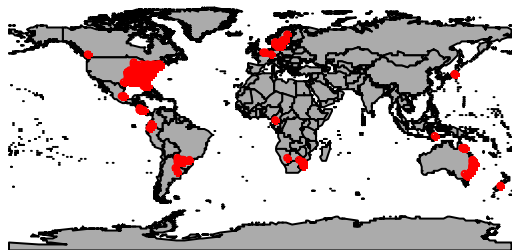
Native range: Not available

Exotic range within Australia: QLD, VIC, NSW

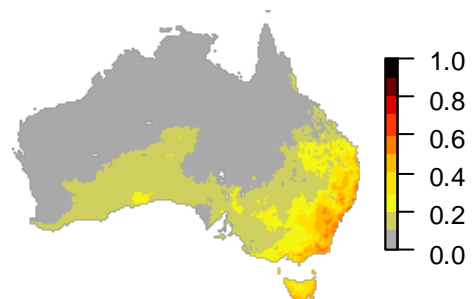
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 31

Observations



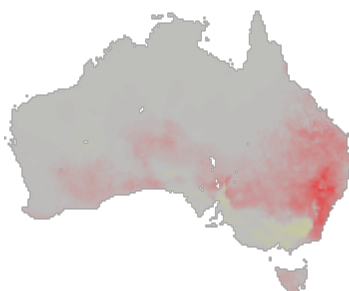
Current habitat suitability



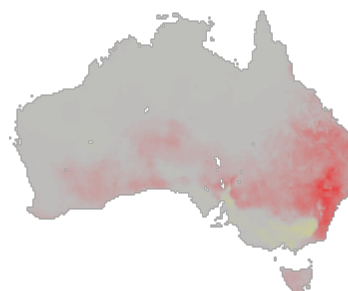
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

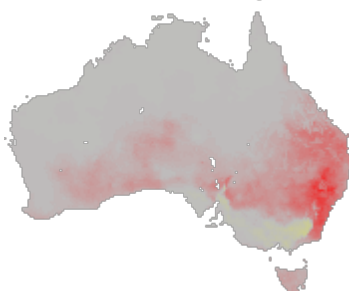
RCP4.5 2035



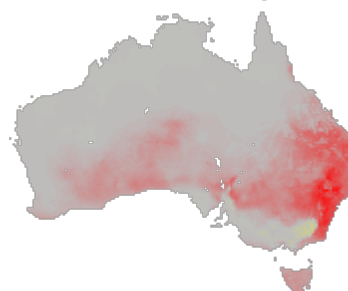
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Tephrosia nana

Family: Fabaceae

Growth form: Herb

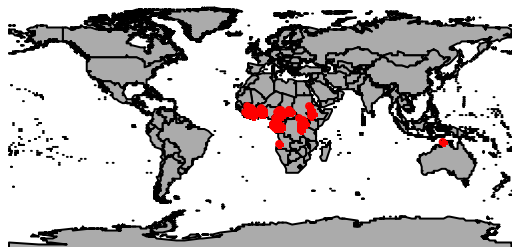
Native range: tropical Africa

Exotic range within Australia: NT

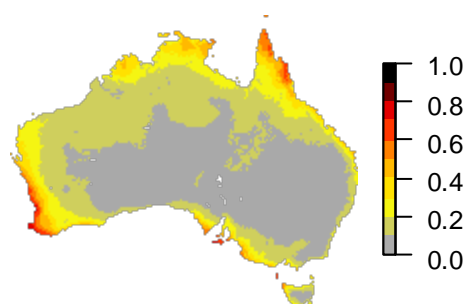
Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 1

Observations



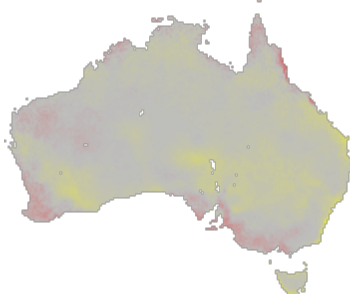
Current habitat suitability



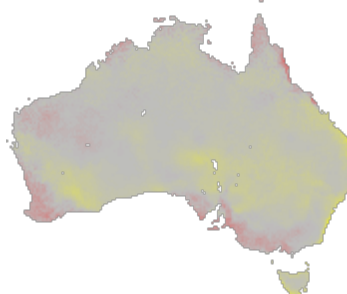
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

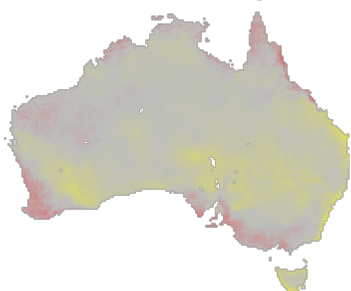
RCP4.5 2035



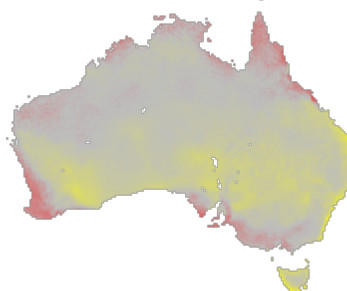
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Tradescantia zebrina

Family: Commelinaceae

Growth form: Herb

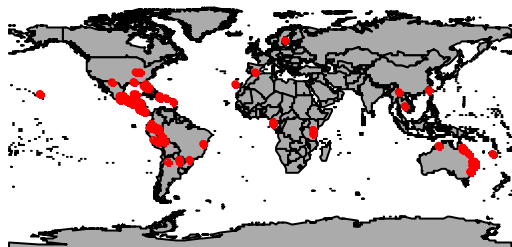
Native range: Central America, Mexico

Exotic range within Australia: NSW, QLD, WA, Indian Ocean offshore islands, Pacific offshore islands

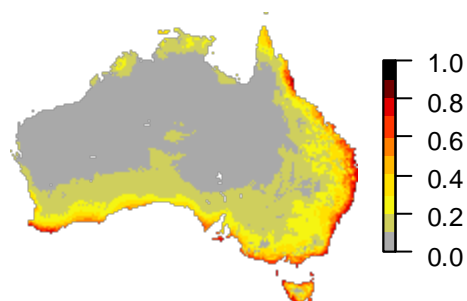
Dispersal mode: ABIOTIC - garden waste

Gridded observations in Australia (excluding cultivated): 50

Observations



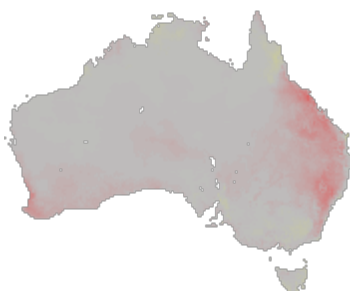
Current habitat suitability



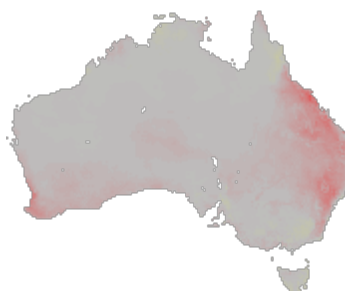
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

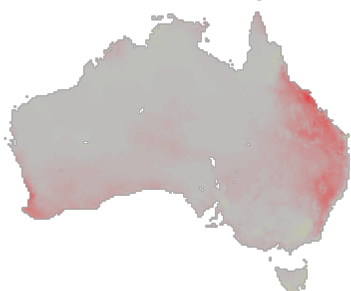
RCP4.5 2035



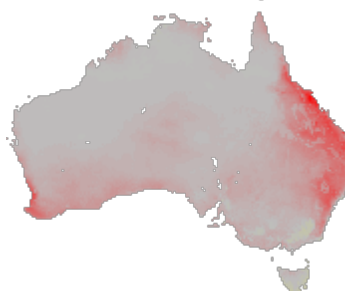
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Tragopogon dubius

Family: Asteraceae

Growth form: Herb

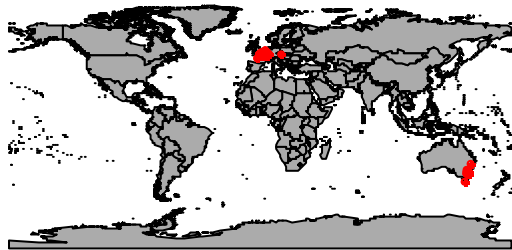
Native range: Europe, western Asia, central Asia

Exotic range within Australia: ACT, NSW, TAS, VIC

Dispersal mode: ABIOTIC - wind

Gridded observations in Australia (excluding cultivated): 65

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

RCP4.5 2035



RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Trifolium fragiferum

Family: Fabaceae

Growth form: Herb

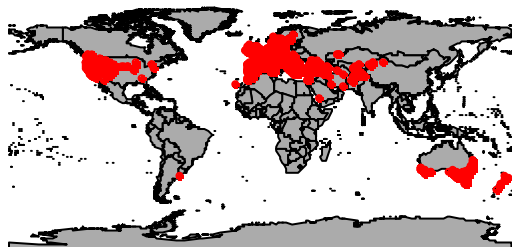
Native range: Africa, western Asia, central Asia, Europe

Exotic range within Australia: ACT, NSW, QLD, SA, TAS, VIC, WA

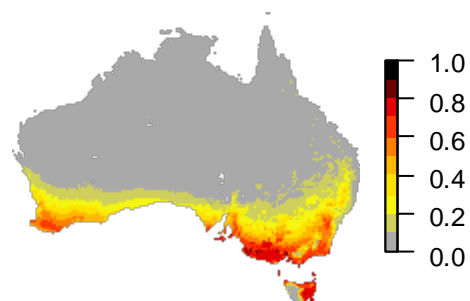
Dispersal mode: ABIOTIC - wind; ABIOTIC - vehicles

Gridded observations in Australia (excluding cultivated): 217

Observations



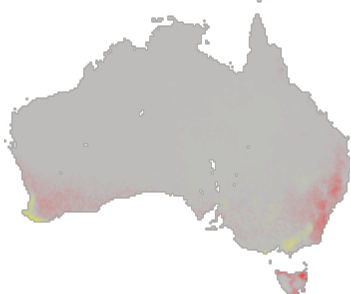
Current habitat suitability



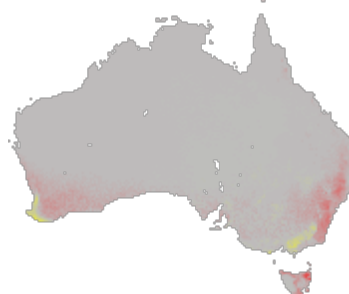
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

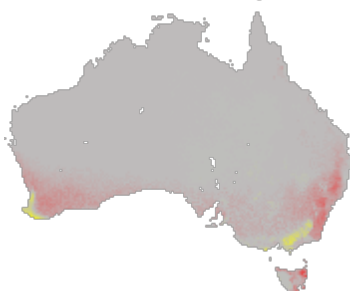
RCP4.5 2035



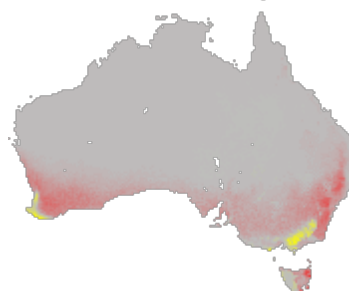
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Triumfetta bogotensis

Family: Malvaceae

Growth form: Shrub

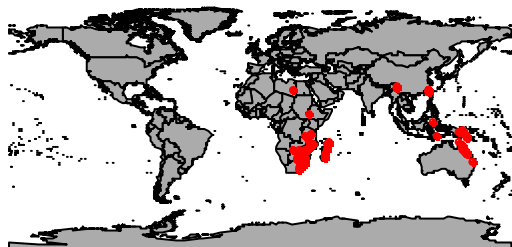
Native range: Not available

Exotic range within Australia: QLD

Dispersal mode: Not available

Gridded observations in Australia (excluding cultivated): 44

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

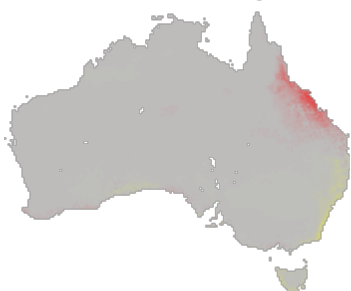
RCP4.5 2035



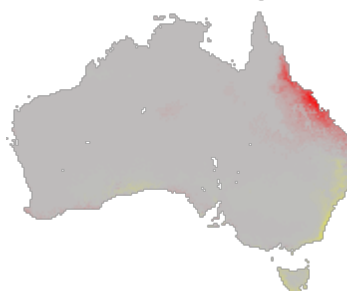
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Verbascum blattaria

Family: Scrophulariaceae

Growth form: Herb

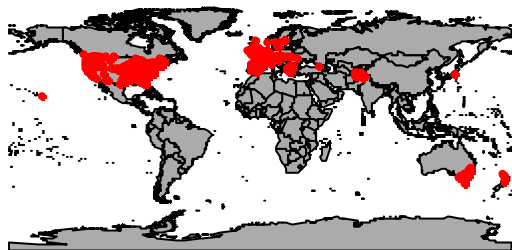
Native range: northern Africa, Middle East, western Asia, central Asia, Europe

Exotic range within Australia: ACT, NSW, TAS, VIC

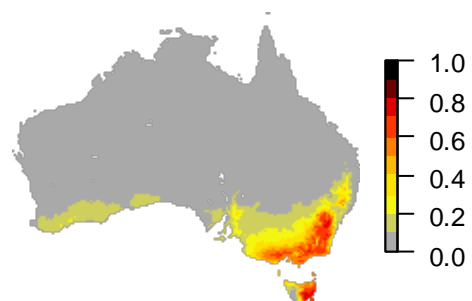
Dispersal mode: BIOTIC - human; ABIOTIC - vehicles, agriculture

Gridded observations in Australia (excluding cultivated): 43

Observations



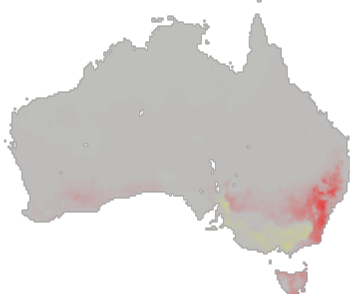
Current habitat suitability



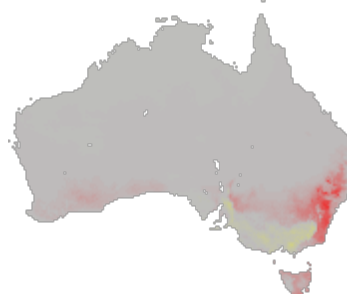
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

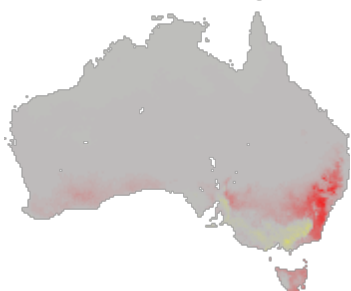
RCP4.5 2035



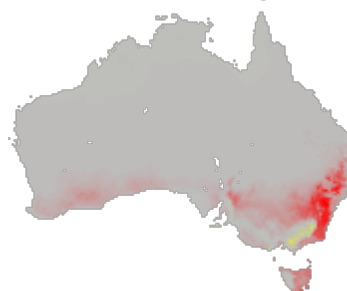
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Viburnum tinus

Family: Adoxaceae

Growth form: Shrub

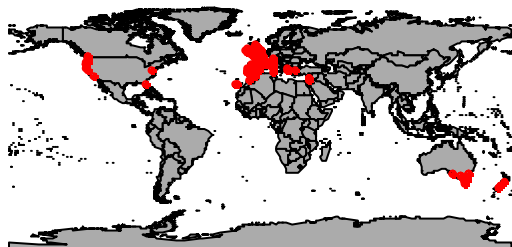
Native range: Europe, Asia, southern Africa

Exotic range within Australia: Lord Howe Is

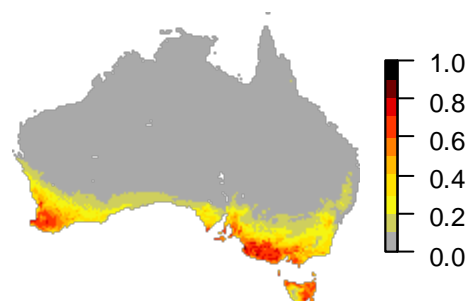
Dispersal mode: BIOTIC - animal

Gridded observations in Australia (excluding cultivated): 49

Observations



Current habitat suitability



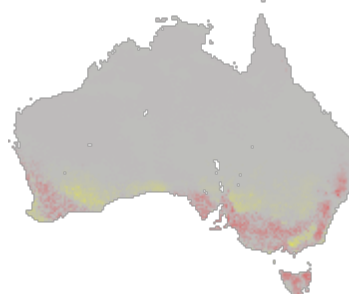
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

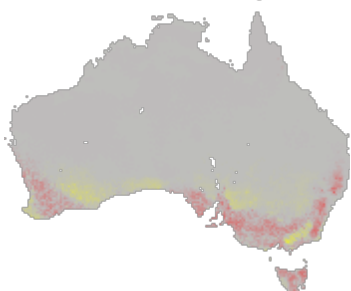
RCP4.5 2035



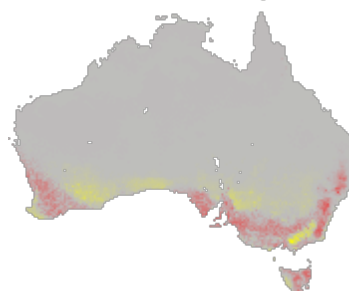
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Vicia sativa

Family: Fabaceae

Growth form: Herb

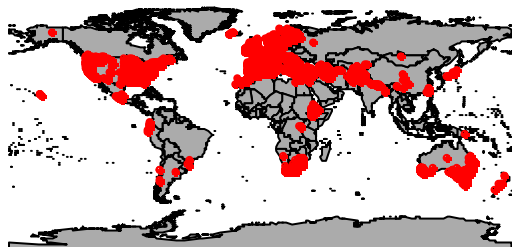
Native range: Africa, Middle East, western Asia, central Asia, India, Pakistan, Bangladesh, Europe

Exotic range within Australia: ACT, NSW, NT, QLD, SA, TAS, VIC, WA

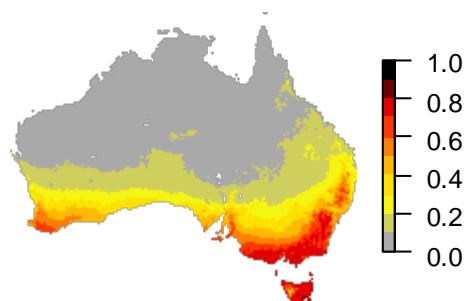
Dispersal mode: BIOTIC - bird; ABIOTIC - livestock

Gridded observations in Australia (excluding cultivated): 895

Observations



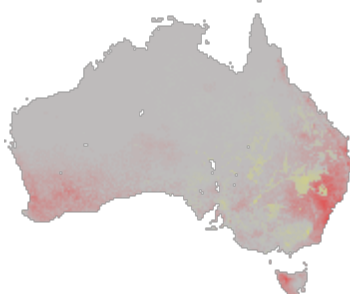
Current habitat suitability



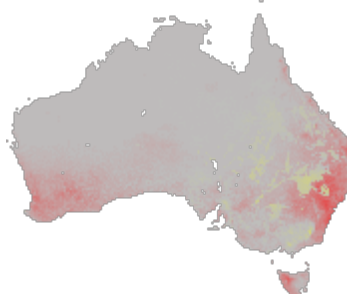
Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

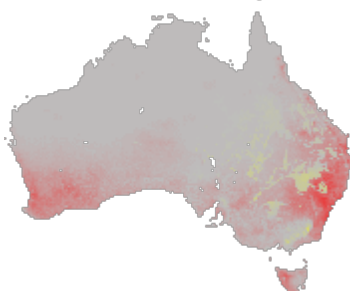
RCP4.5 2035



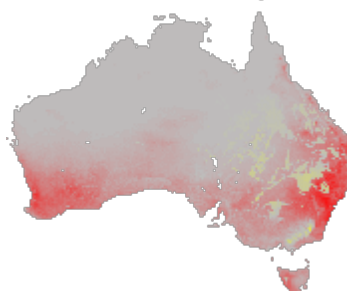
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Vinca minor

Family: Apocynaceae

Growth form: Vine

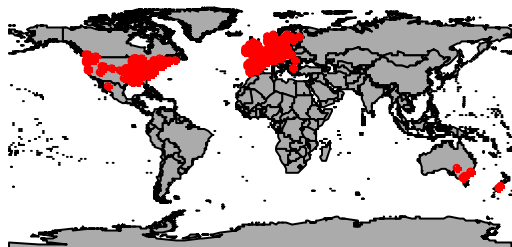
Native range: Europe

Exotic range within Australia: NSW, SA, VIC

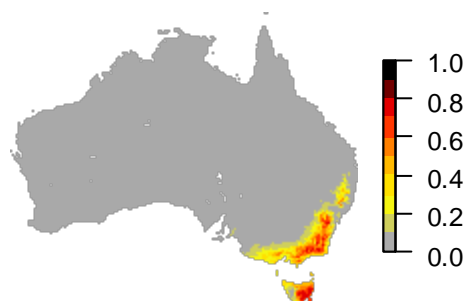
Dispersal mode: ABIOTIC - garden waste, vehicles, refuse

Gridded observations in Australia (excluding cultivated): 7

Observations



Current habitat suitability



Future change in suitability

Yellow is decreasing, grey is stable and red is increasing

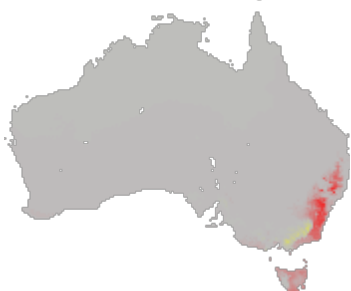
RCP4.5 2035



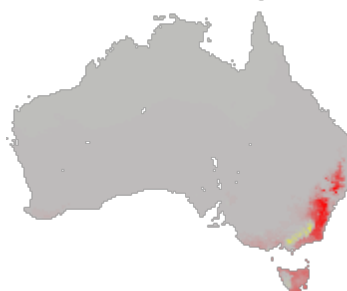
RCP8.5 2035



RCP4.5 2065



RCP8.5 2065



Appendix 3: Summary tables of the trait database for 292 non-native naturalised plant species in Australia

Longevity

Longevity	Number of species
Annual	78
Biannual	0
Perennial	182
Annual &/or bi-annual	2
Annual &/or perennial	21
Biannual &/or perennial	6
Annual &/or bi-annual &/or perennial	3
<i>Total</i>	292

Growth form

Growth form – single	Number of species
Herb (H)	84
Vine/scrambler/climber (V)	18
Tree (T)	27
Shrub (S)	32
Graminoid (grass/sedge/rush) (G)	80
Succulent (SU)	1
Succulent shrub (SU-S)	1
Growth form – multiple	
Graminoid and Herb (G, H)	19
Herb and Shrub (H, S)	8
Herb and Vine (H, V)	8
Herb, Vine and Shrub (H, V, S)	1
Shrub and Tree (S, T)	12
Succulent and vine (Su, V)	1
<i>Total</i>	292

Dispersal mode

Abiotic = agriculture, garden waste, livestock, refuse, vehicles, water, wind

Biotic = animal, ants, bird, explosive seed pod, human, tumbleweed dispersal

Dispersal mode	Number of species
Abiotic	59
Biotic	36
Abiotic and Biotic	71
<i>Total</i>	166

Dispersal morphology

Dispersal morphology – single	Number of species
Adhesive (burs, sticky, awns, hairs etc) (A)	30
Ballistically dispersed (B)	2
Elaiosome (E)	2
Fleshy fruit/Edible/Aril (F)	32
Hydrochorous (buoyant seed) (H)	3
Tumbleweed (T)	2
Unassisted (U)	5
Wing/Achene,/Pappus	28
Dispersal morphology – multiple	
Hydrochorous and Ballistic (H/B)	1
Hydrochorous and Tumbleweed (H/T)	2
Unassisted and Hydrochorous (U/H)	1
Wing and Adhesive (W/A)	1
<i>Total</i>	110

Leaf longevity

Leaf longevity	Number of species
Deciduous (D)	17
Evergreen (E)	27
Semi-evergreen (Se)	2
Deciduous or Evergreen (D/E)	2
Deciduous or Semi-evergreen (D/Se)	1
<i>Total</i>	49

Capable of vegetative reproduction

Vegetative reproduction	Number of species
Capable of veg. reproduction	45
Not capable of veg. reproduction	7
<i>Total</i>	52

Fruit type

Fruit type	Number of species
Achene (A)	23
Burr (B)	1
Capsule (C)	33
Caryopsis (grass seed) (CA)	47
Dehiscent (D)	1
Fleshy (berries, drupes & pomes) (F)	44
Nut (N)	5
Not applicable (e.g. gymnosperms (cones)) (NA)	8
Pod/legume (P)	28
Silicula/siliqua (S)	1
Succulent (SU)	1
>1 Fruit type recorded	
Capsule and Dehiscent (C,D)	1
Dehiscent and Caryopsis (D,CA)	2
Dehiscent and Pod (D,P)	1
Fruit and Pod (F,P)	1
Nut and Achene (N,A)	2
Pod and Dehiscent (P,D)	1
<i>Total</i>	200

Soil types in recorded non-native ranges

Many plant species are able to grow in many different soil types (therefore the number of observations in this table are different to Table 2 in the main text).

Soil Type	Number of species recorded as able to grow in this soil type
Acidic (AC)	21
Alkaline (AL)	21
Clay (C)	50
Fertile (F)	19
Gravel/stony (G)	13
Moist soils (H)	31
Infertile – low fertility (I)	15
Loamy (L)	41
Laterite (LAT)	1
Most (M)	32
Medium infertile / moderate poor (MI)	1
Peat (P)	8
Poorly drained (PD)	1
Sandy (SA)	91
Silt (SL)	1
Well drained (WD)	27

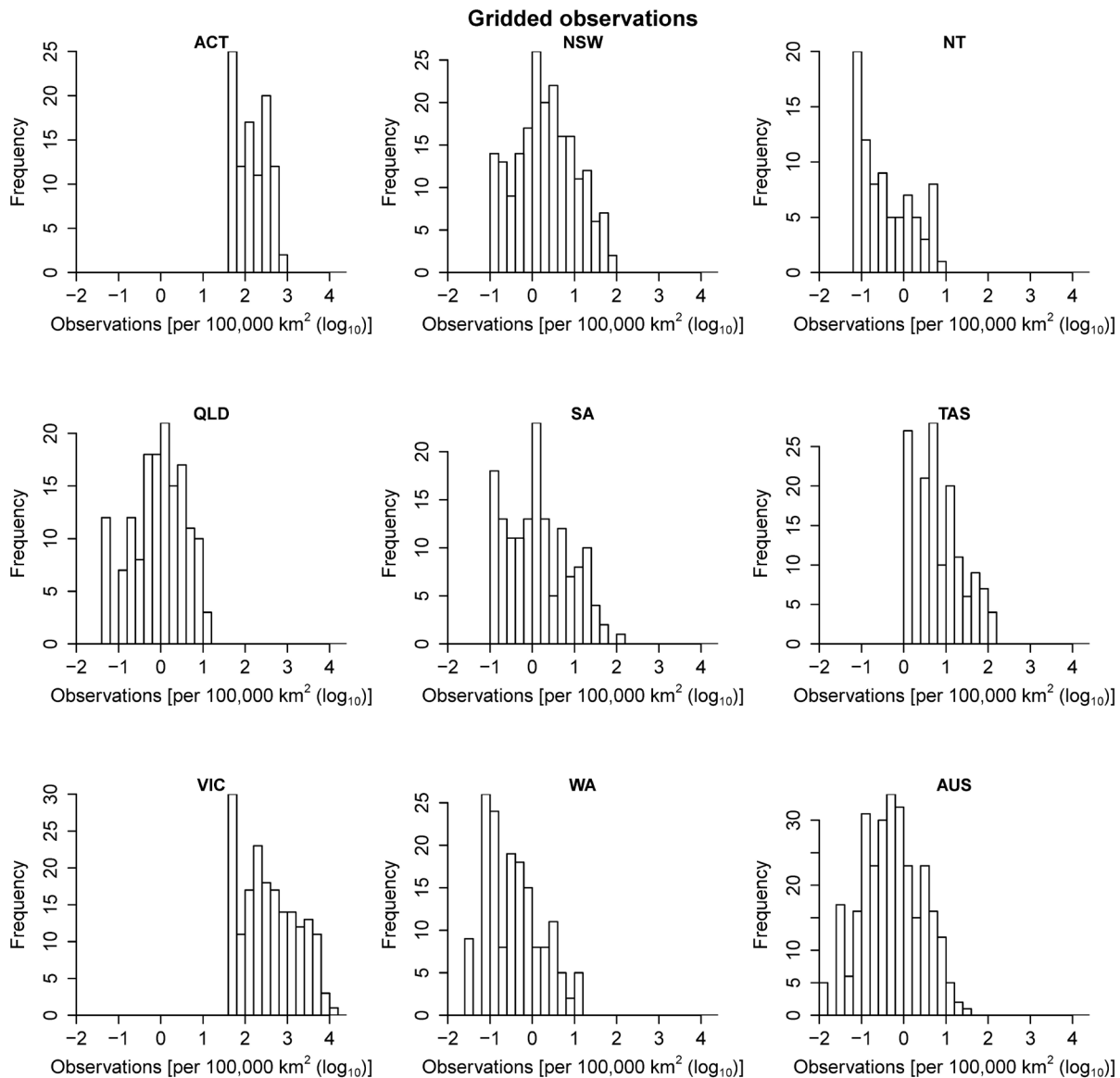
Habitat type

The habitat type recorded for each study species in its non-native range globally. There are no species numbers beside habitat type because many species were found in multiple habitats.

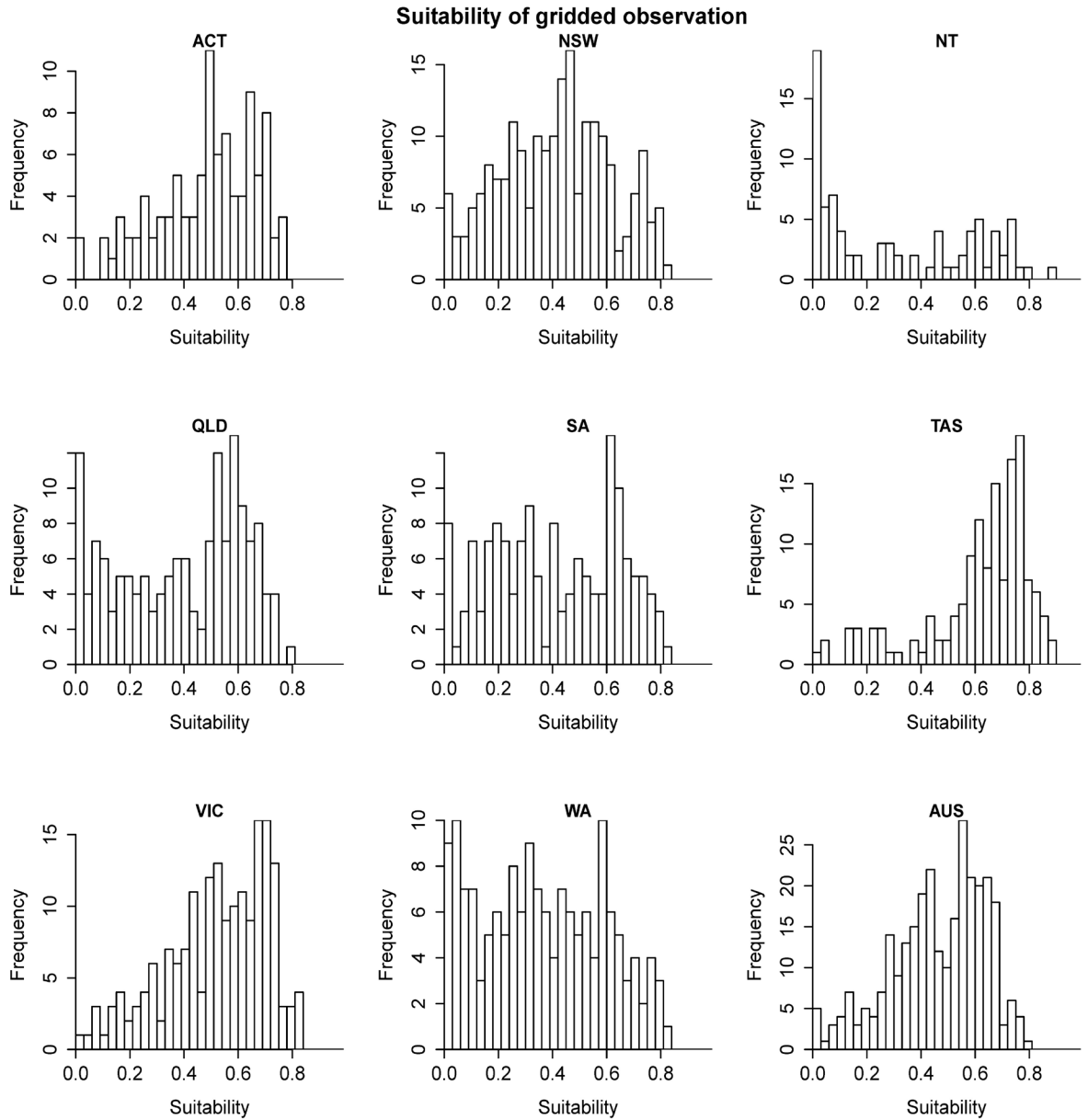
Habitat Type
Agricultural land (A)
Abandoned homesteads/cultivated land (AB)
Bushland (B)
Coastal vegetation/sand dunes (C)
Cliffs and bluffs (CL)
Disturbed areas (including trails) (D)
Desert (DES)
Dry sclerophyll forest (DSF)
Floodplains (F)
Forest (FOF)
Grasslands (G)
Heathlands (H)
Mangroves (M)
Pastures (P)
Roadsides (R)
Rangelands (RA)
Riparian systems (RS)
Scrublands/shrublands (S)
Thickets (T)
Urban areas, gardens and parks (U)
Woodlands (W)
Water bodies (WB)
Wetlands (WE)
Wastelands (WL)
Wet sclerophyll forest (WSF)

Appendix 4: Determining species scores based on the five attributes

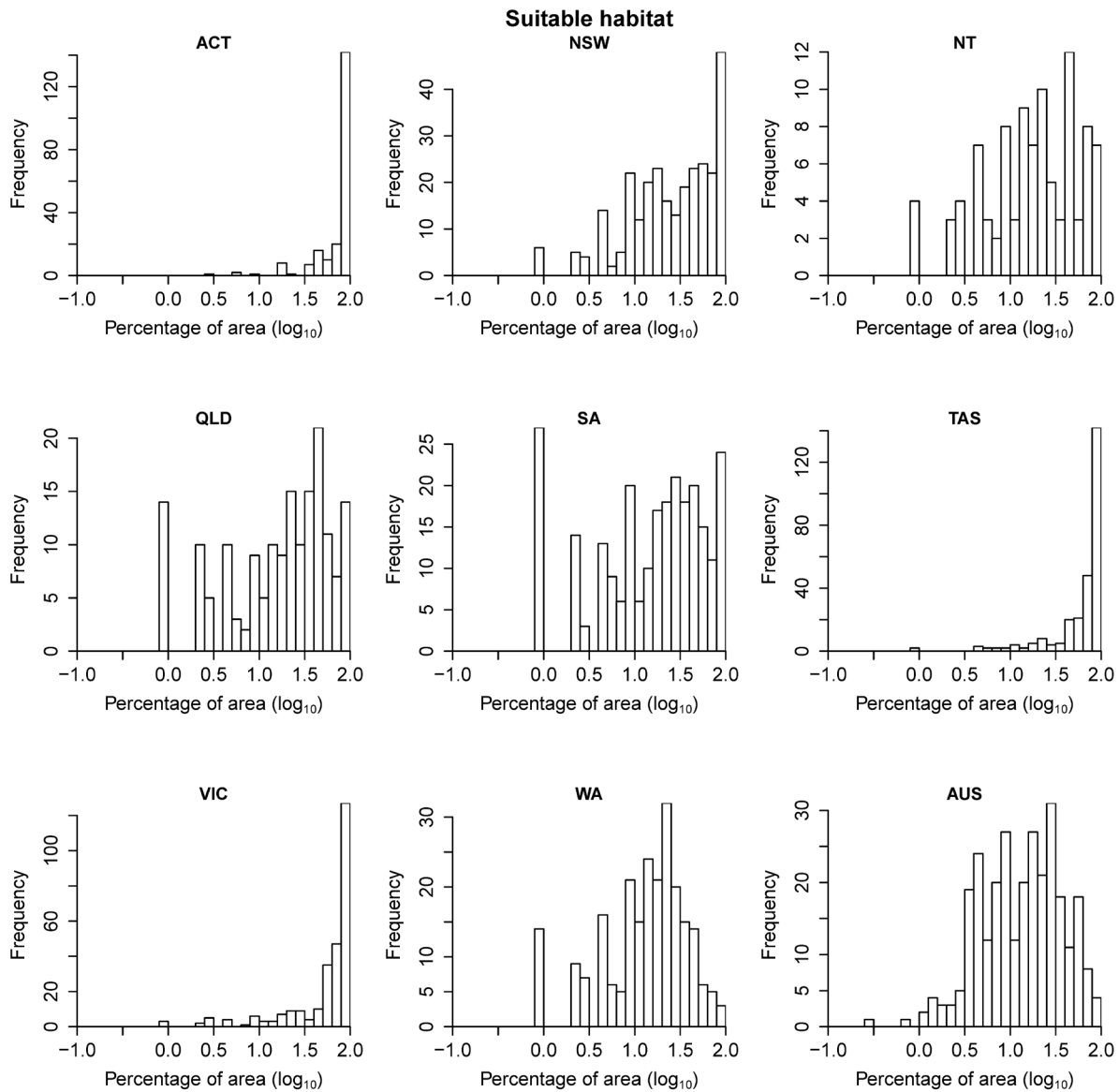
The histograms for gridded observations, suitability score for gridded observations, suitable habitat, highly suitable habitat and minimum distance from suitable habitat to known occurrence. These histograms were used to determine the scoring system for the threat prioritisation scheme, based on the spread of the data at both state and national scales for all five attributes.



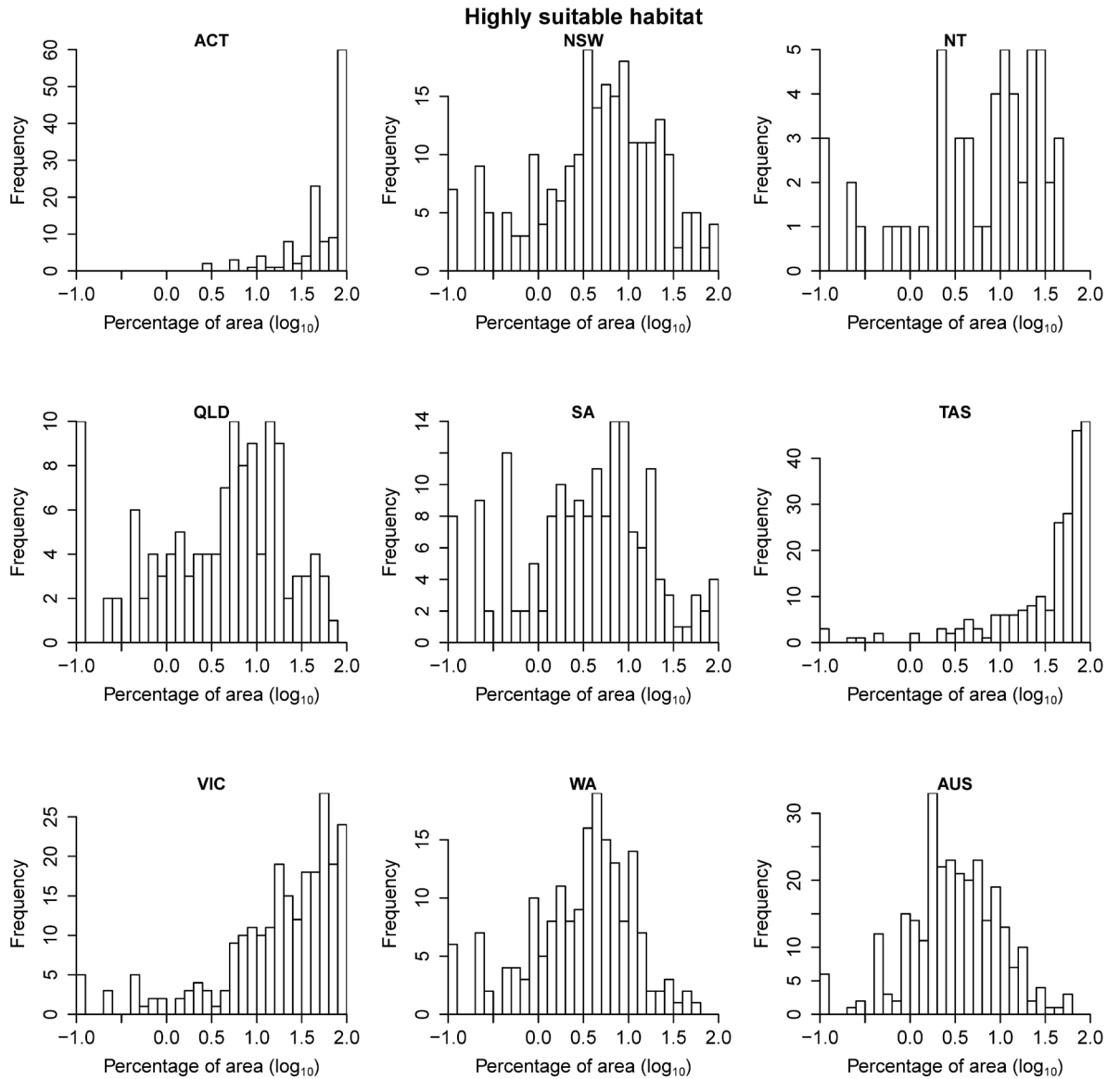
For each species we standardised the number of observations in the states and Australia to the number of observations per 100,000 km² (log₁₀). We removed species with no observations: ACT(193), NSW (87), NT(209), QLD(140), SA (141), TAS(149), VIC(108), WA (134), AUS(1).



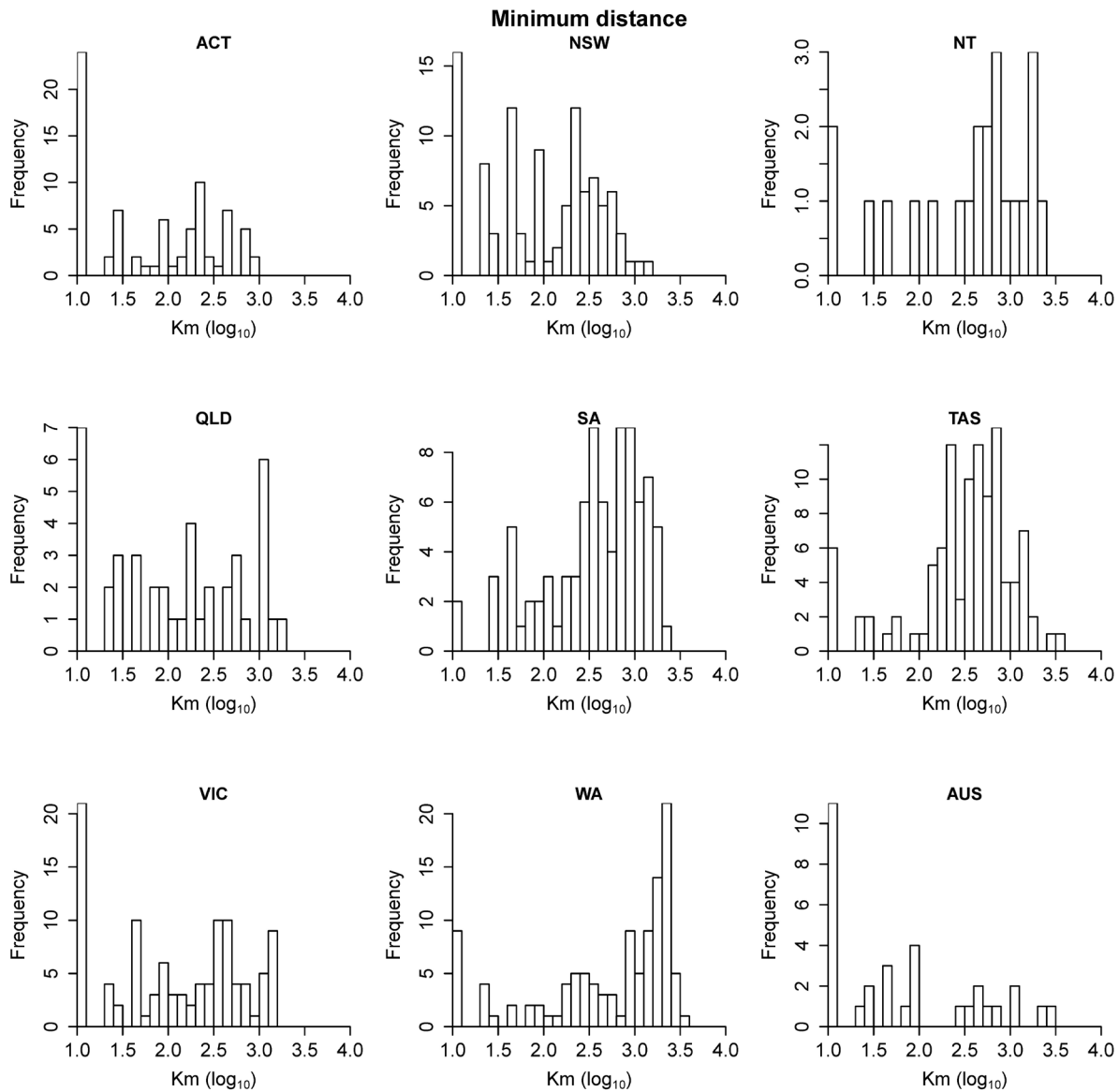
For each species we found the average habitat suitability score of observations. Average suitability was calculated for observations within each state and Australia.



For each species we found the percentage of each state and Australia that was suitable using a 10% omission threshold to define suitable and unsuitable habitat. We removed species with no suitable area: ACT(84), NSW (14), NT(194), QLD(122), SA (40), TAS(22), VIC(17), WA (59), AUS(1).



For each species we found the percentage of each state and Australia that was considered highly suitable using a 0.5 logistic threshold to define suitable and unsuitable habitat. We removed species with no suitable area: ACT(166), NSW (58), NT(239), QLD(166), SA (118), TAS(68), VIC(54), WA (112), AUS(10).



We found the minimum distance between high quality habitat and the nearest observation. For each state we removed the species with no highly suitable habitat and species where at least 1 observation occurred within highly suitable habitat: ACT(214), NSW (190), NT(270), QLD(250), SA (205), TAS(188), VIC(186), WA (181), AUS(260).

Appendix 5a: High priority species for each state and territory for the current climate. As the warmth of colour increases so does the invasion risk. The invasion risk score for each state/territory and nationally is shown for each species.

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Acanthocereus tetragonus</i>	15	17	16	28	17	15	15	16	24
<i>Aeonium arboreum</i>	15	16	15	15	38	38	44	32	32
<i>Aeschynomene americana</i>	15	16	32	32	14	22	16	30	30
<i>Agapanthus praecox</i>	15	30	15	14	30	46	38	28	30
<i>Agrostis capillaris</i>	44	32	15	15	23	48	42	17	30
<i>Agrostis gigantea</i>	46	34	15	19	19	46	42	17	28
<i>Agrostis stolonifera</i>	34	34	15	15	28	48	46	21	30
<i>Aira caryophyllea</i>	46	36	15	15	32	50	48	30	34
<i>Alopecurus aequalis</i>	34	30	15	15	21	32	42	15	30
<i>Alopecurus geniculatus</i>	42	36	15	19	23	46	44	21	30
<i>Alopecurus myosuroides</i>	30	28	15	15	30	42	44	17	30
<i>Alopecurus pratensis</i>	40	30	15	15	19	46	40	17	28
<i>Annona squamosa</i>	15	15	34	32	15	15	15	32	32
<i>Anthoxanthum aristatum</i>	32	28	15	15	16	24	46	14	28
<i>Anthoxanthum odoratum</i>	44	34	15	21	23	48	42	19	32
<i>Anthriscus caucalis</i>	24	16	15	15	18	40	42	17	26
<i>Antigonon leptopus</i>	15	22	38	40	18	17	17	32	36
<i>Arctium lappa</i>	32	26	15	15	15	44	42	15	24
<i>Arrhenatherum elatius</i>	44	34	15	17	21	46	44	21	30
<i>Arum italicum</i>	23	26	15	15	30	46	44	22	30
<i>Atriplex hortensis</i>	40	28	15	15	15	46	42	17	26
<i>Avellinia michelii</i>	15	17	15	15	38	26	40	32	34
<i>Avena fatua</i>	50	42	19	28	40	48	50	34	36
<i>Avena sativa</i>	48	42	17	24	38	48	48	32	34
<i>Avena sterilis</i>	42	40	15	21	36	42	48	32	34
<i>Berberis vulgaris</i>	34	32	15	15	17	42	38	15	26
<i>Betula pendula</i>	40	26	15	15	17	42	42	15	26
<i>Bixa orellana</i>	15	15	16	32	15	17	15	17	26
<i>Bougainvillea glabra</i>	15	34	17	36	20	32	44	18	32
<i>Brachypodium distachyon</i>	19	32	15	15	38	36	48	36	34
<i>Brassica oleracea</i>	46	36	17	15	32	48	46	24	32
<i>Brassica rapa</i>	48	38	15	24	30	48	46	30	30
<i>Briza maxima</i>	33	36	15	19	40	46	48	38	34
<i>Briza minor</i>	44	38	15	21	42	50	50	40	38
<i>Bromus hordeaceus</i>	46	36	15	19	36	50	48	30	34
<i>Bromus inermis</i>	44	32	15	15	15	26	38	15	28
<i>Bromus lanceolatus</i>	29	20	15	15	30	19	44	30	30
<i>Bromus madritensis</i>	31	36	15	15	38	42	48	32	36

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Bromus racemosus</i>	44	32	15	15	15	26	38	15	28
<i>Bromus rubens</i>	29	38	15	15	44	22	50	36	38
<i>Bromus secalinus</i>	32	34	15	15	15	24	36	15	26
<i>Bromus tectorum</i>	46	34	15	15	19	40	44	15	30
<i>Buddleja davidii</i>	44	30	15	17	21	46	42	17	28
<i>Caesalpinia gilliesii</i>	24	44	28	34	42	19	44	32	38
<i>Cajanus cajan</i>	15	21	26	32	15	15	15	24	30
<i>Calamagrostis epigejos</i>	26	16	15	15	15	46	22	15	28
<i>Calyptracarpus vialis</i>	15	42	18	40	22	17	19	18	38
<i>Calystegia silvatica</i>	23	28	15	15	19	46	38	15	28
<i>Capsicum annuum</i>	44	38	17	32	32	28	32	22	34
<i>Cardamine corymbosa</i>	17	18	15	15	15	40	28	15	22
<i>Carex disticha</i>	40	22	15	15	15	24	32	15	26
<i>Carex divisa</i>	33	24	15	15	36	40	50	34	34
<i>Carex divulsa</i>	28	20	15	15	20	40	44	15	28
<i>Carex pilulifera</i>	22	16	15	15	15	38	34	15	22
<i>Carex punctata</i>	19	14	15	15	15	32	40	15	26
<i>Carex scoparia</i>	23	15	15	15	15	21	17	15	20
<i>Casimiroa edulis</i>	15	17	15	16	16	18	17	16	16
<i>Catapodium rigidum</i>	31	28	15	15	38	46	48	30	36
<i>Centrosema pascuorum</i>	15	15	34	26	15	15	15	30	28
<i>Centrosema plumieri</i>	15	15	28	22	15	18	15	14	24
<i>Cerasus lusitanica</i>	15	19	15	15	19	42	40	15	26
<i>Ceratonia siliqua</i>	15	21	15	17	32	19	38	16	26
<i>Cestrum aurantiacum</i>	19	30	15	15	28	28	32	14	28
<i>Cestrum elegans</i>	17	34	15	28	16	30	42	14	32
<i>Cestrum nocturnum</i>	15	24	15	30	22	22	16	16	28
<i>Chloris pilosa</i>	15	15	36	18	15	15	15	16	32
<i>Chloris virgata</i>	40	46	40	44	44	26	44	40	42
<i>Chorisporea tenella</i>	23	17	15	15	15	15	25	15	22
<i>Cichorium intybus</i>	48	38	15	19	30	44	46	22	30
<i>Citrullus lanatus</i>	50	48	40	40	46	44	50	40	44
<i>Clematis flammula</i>	19	20	15	15	32	20	40	16	28
<i>Clitoria ternatea</i>	15	19	40	38	15	15	21	34	34
<i>Cocos nucifera</i>	15	15	26	28	15	21	15	12	22
<i>Codiaeum variegatum</i>	15	15	16	34	15	17	15	14	30
<i>Coix lacryma-jobi</i>	21	30	15	28	15	22	20	18	28
<i>Conyza primulifolia</i>	21	42	15	36	22	32	48	20	36
<i>Conyza sumatrensis</i>	48	44	15	30	34	46	48	32	36
<i>Cordyline australis</i>	15	20	15	15	17	27	30	15	20
<i>Cotoneaster divaricatus</i>	23	17	15	15	15	27	19	15	17
<i>Cotoneaster horizontalis</i>	27	26	15	15	17	44	38	15	26
<i>Crataegus pontica</i>	19	24	15	15	36	26	40	16	30
<i>Crotalaria agatiflora</i>	15	26	15	17	16	26	40	28	28
<i>Crotalaria incana</i>	29	40	24	38	26	26	28	24	36

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Crotalaria pallida</i>	19	40	32	38	22	22	22	26	38
<i>Cucumis anguria</i>	15	32	30	40	18	19	14	36	36
<i>Cucumis dipsaceus</i>	19	32	18	38	22	22	22	20	34
<i>Cucumis myriocarpus</i>	44	48	30	34	44	34	48	34	42
<i>Cucurbita maxima</i>	44	40	15	24	22	28	34	34	34
<i>Cupressus macrocarpa</i>	15	16	15	15	28	46	28	17	28
<i>Cynara cardunculus</i>	24	36	15	15	20	28	32	18	32
<i>Cynosurus cristatus</i>	42	30	15	15	17	44	40	17	28
<i>Cynosurus echinatus</i>	40	34	15	15	38	48	48	34	34
<i>Cyperus aggregatus</i>	30	46	17	36	22	28	32	20	36
<i>Cyperus eragrostis</i>	46	44	17	30	36	48	50	34	38
<i>Dactylis glomerata</i>	48	38	15	24	32	50	48	30	34
<i>Dactyloctenium aegyptium</i>	25	32	44	44	25	15	25	38	38
<i>Desmanthus virgatus</i>	15	38	36	40	20	19	18	32	34
<i>Desmodium intortum</i>	15	28	15	30	16	36	18	16	30
<i>Desmodium tortuosum</i>	21	32	34	36	19	20	24	32	34
<i>Dichanthium annulatum</i>	15	32	40	44	24	15	15	26	36
<i>Dichrostachys cinerea</i>	15	18	32	34	16	17	17	18	30
<i>Digitaria ischaemum</i>	46	34	15	19	19	24	42	15	30
<i>Digitaria ternata</i>	15	34	15	22	16	36	24	16	28
<i>Digitaria violascens</i>	23	40	21	36	25	24	22	19	32
<i>Disa bracteata</i>	15	15	15	15	32	32	38	36	32
<i>Draba nemorosa</i>	21	15	15	15	15	23	16	15	12
<i>Ecballium elaterium</i>	21	32	15	15	34	34	46	28	32
<i>Echinochloa crus-gavonis</i>	29	40	14	26	38	26	46	38	36
<i>Echinochloa esculenta</i>	48	40	17	28	28	48	46	26	32
<i>Echinochloa frumentacea</i>	32	38	19	32	24	48	44	18	32
<i>Echinochloa muricata</i>	40	32	15	15	15	19	32	15	28
<i>Echinochloa oryzoides</i>	23	40	15	17	26	25	36	32	34
<i>Ehrharta calycina</i>	25	36	15	15	40	42	48	32	36
<i>Eleusine tristachya</i>	46	46	15	36	34	42	48	16	38
<i>Elytrigia repens</i>	44	34	15	15	21	46	44	17	30
<i>Eragrostis atrovirens</i>	15	20	20	34	15	22	14	18	30
<i>Eragrostis bahiensis</i>	15	26	17	34	23	23	22	19	32
<i>Eragrostis barrelieri</i>	19	44	40	36	46	17	32	38	40
<i>Eragrostis mexicana</i>	42	38	17	30	38	30	48	32	34
<i>Eragrostis patula</i>	19	40	19	36	26	40	24	22	34
<i>Eragrostis pilosa</i>	34	44	21	36	38	32	48	22	36
<i>Eragrostis tef</i>	46	36	15	34	28	24	38	16	34
<i>Erica arborea</i>	23	26	15	15	36	44	46	16	32
<i>Eriobotrya japonica</i>	36	42	15	32	36	46	48	30	38
<i>Eugenia uniflora</i>	15	38	17	36	22	16	18	18	34
<i>Euphorbia cyparissias</i>	28	18	15	15	17	40	22	15	24
<i>Euphorbia helioscopia</i>	46	36	15	19	30	48	46	22	30
<i>Euphorbia paralias</i>	15	26	15	15	38	46	44	32	34

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Euphorbia platyphyllos</i>	26	20	15	15	15	22	36	15	22
<i>Fallopia convolvulus</i>	44	36	15	19	30	48	44	21	30
<i>Festuca arundinacea</i>	48	38	15	15	32	48	48	26	30
<i>Festuca pratensis</i>	46	34	15	15	19	44	40	17	28
<i>Ficus carica</i>	34	36	15	15	36	46	48	32	32
<i>Florestina tripteris</i>	15	26	22	42	22	15	17	20	38
<i>Fraxinus excelsior</i>	40	22	15	15	17	42	38	15	26
<i>Fumaria muralis</i>	33	38	15	22	38	48	48	30	30
<i>Galium palustre</i>	30	28	15	15	19	44	34	15	26
<i>Gamochaeta americana</i>	46	38	15	26	30	48	46	22	30
<i>Gaura lindheimeri</i>	31	36	17	22	23	21	20	17	30
<i>Gazania linearis</i>	23	36	15	26	42	38	44	36	36
<i>Gazania rigens</i>	15	40	15	32	34	42	44	30	34
<i>Gladiolus communis</i>	23	20	15	15	30	44	46	24	28
<i>Gossypium barbadense</i>	21	28	28	32	16	22	18	16	30
<i>Gossypium hirsutum</i>	15	36	44	40	18	15	20	36	38
<i>Gossypium thurberi</i>	15	19	15	16	15	15	15	12	14
<i>Hebe elliptica</i>	15	12	15	15	15	21	15	15	12
<i>Hedysarum coronarium</i>	15	21	15	19	16	17	20	26	24
<i>Heimia salicifolia</i>	15	24	17	36	16	17	18	18	32
<i>Hemizonia pungens</i>	21	32	15	15	18	28	32	16	24
<i>Holcus lanatus</i>	48	36	15	19	34	50	48	30	32
<i>Holcus mollis</i>	28	26	15	15	15	44	38	15	24
<i>Hordeum secalinum</i>	21	12	15	15	15	24	34	15	18
<i>Hordeum vulgare</i>	44	38	17	19	36	46	46	34	34
<i>Humulus lupulus</i>	32	28	15	15	19	46	40	17	28
<i>Hylocereus undatus</i>	15	34	16	36	18	26	22	18	34
<i>Hypericum humifusum</i>	28	22	15	15	15	38	40	15	26
<i>Hyptis spicigera</i>	15	15	36	20	15	15	15	16	32
<i>Indigofera spicata</i>	15	32	17	36	16	22	18	16	30
<i>Indigofera tinctoria</i>	15	16	40	38	15	17	17	18	36
<i>Ipomoea aquatica</i>	15	15	42	36	15	15	15	38	38
<i>Ipomoea batatas</i>	15	26	15	30	16	28	20	24	30
<i>Ipomoea carnea</i>	15	28	28	34	24	15	15	28	32
<i>Ipomoea grandifolia</i>	15	20	36	34	15	21	25	26	34
<i>Ipomoea hederifolia</i>	21	32	34	36	16	24	20	26	36
<i>Ipomoea mauritiana</i>	15	15	24	30	15	21	15	14	28
<i>Ipomoea nil</i>	23	26	27	29	21	19	23	28	30
<i>Ipomoea obscura</i>	15	20	16	36	16	17	17	16	30
<i>Ipomoea pandurata</i>	19	17	15	15	17	15	15	15	20
<i>Ipomoea quamoclit</i>	19	34	36	34	19	15	21	30	32
<i>Iris foetidissima</i>	17	12	15	15	19	42	42	15	26
<i>Isolepis marginata</i>	23	24	15	12	38	40	42	36	32
<i>Juncus acuminatus</i>	23	26	15	15	15	34	34	15	26
<i>Juncus bulbosus</i>	28	30	15	15	28	44	42	15	28

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Juncus canadensis</i>	23	24	15	15	15	22	17	15	20
<i>Juncus capitatus</i>	44	36	15	15	38	44	48	34	36
<i>Juncus conglomeratus</i>	26	16	15	15	15	44	22	15	28
<i>Juncus fontanesii</i>	21	22	15	15	24	24	46	18	30
<i>Juncus inflexus</i>	30	20	15	15	16	28	44	15	28
<i>Juncus microcephalus</i>	17	34	15	18	24	44	46	36	32
<i>Juncus tenuis</i>	44	34	15	15	15	46	44	17	30
<i>Kniphofia uvaria</i>	15	28	15	15	28	36	42	16	28
<i>Koeleria macrantha</i>	50	34	15	15	14	44	44	15	28
<i>Lablab purpureus</i>	23	34	20	36	26	26	22	28	34
<i>Lamarckia aurea</i>	17	38	15	19	38	23	48	34	36
<i>Lathyrus angulatus</i>	31	28	15	15	20	18	44	16	28
<i>Lathyrus latifolius</i>	46	34	15	17	23	44	44	21	30
<i>Lathyrus nissolia</i>	24	16	15	15	15	36	36	15	22
<i>Lathyrus odoratus</i>	26	20	15	15	30	28	44	22	28
<i>Lepidium sativum</i>	32	24	15	15	30	46	44	17	28
<i>Lippia alba</i>	15	22	17	30	26	19	24	20	30
<i>Lonicera periclymenum</i>	24	18	15	17	15	42	22	15	22
<i>Lycium barbarum</i>	48	34	15	19	21	42	42	15	30
<i>Macroptilium lathyroides</i>	19	40	38	42	26	20	22	38	40
<i>Malva moschata</i>	30	20	15	15	15	42	38	15	26
<i>Matthiola incana</i>	23	16	15	15	34	46	46	30	32
<i>Mecardonia procumbens</i>	15	17	15	32	16	15	14	16	28
<i>Medicago arborea</i>	15	18	16	18	24	24	38	22	28
<i>Medicago littoralis</i>	15	24	15	15	36	32	40	36	34
<i>Medicago sativa</i>	48	42	15	28	36	48	46	30	34
<i>Merremia quinquefolia</i>	15	15	22	32	15	15	15	22	32
<i>Merremia tuberosa</i>	15	15	15	26	15	15	15	15	24
<i>Miscanthus sinensis</i>	23	32	15	12	17	36	20	17	28
<i>Myosotis sylvatica</i>	42	30	15	15	26	46	42	17	30
<i>Ononis spinosa</i>	26	20	15	15	20	42	44	15	28
<i>Ornithogalum umbellatum</i>	32	32	15	15	19	38	36	15	28
<i>Osteospermum ecklonis</i>	19	40	15	30	16	24	34	24	34
<i>Panicum antidotale</i>	42	44	38	42	42	20	30	40	40
<i>Panicum bulbosum</i>	15	21	15	12	16	17	27	16	16
<i>Panicum capillare</i>	48	38	15	15	23	40	44	21	30
<i>Panicum coloratum</i>	29	42	18	38	36	18	40	20	36
<i>Panicum repens</i>	19	42	21	40	22	22	24	28	38
<i>Panicum schinzii</i>	44	40	17	32	28	30	42	18	34
<i>Paspalum conjugatum</i>	15	30	21	32	15	20	17	12	30
<i>Paspalum notatum</i>	21	42	17	36	20	30	46	30	36
<i>Paspalum paniculatum</i>	15	30	15	30	14	18	16	14	30
<i>Paspalum plicatulum</i>	15	24	23	32	16	20	22	16	30
<i>Paspalum urvillei</i>	19	44	17	34	20	34	40	24	34
<i>Passiflora caerulea</i>	29	38	17	28	36	44	46	18	34

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Pennisetum glaucum</i>	23	27	32	34	17	15	27	36	36
<i>Pennisetum pedicellatum</i>	15	15	36	32	15	15	15	34	34
<i>Petasites fragrans</i>	15	15	15	15	15	42	29	15	26
<i>Phalaris coerulescens</i>	15	17	15	15	20	21	36	16	20
<i>Phormium tenax</i>	21	20	15	15	17	36	17	15	24
<i>Phytolacca americana</i>	32	36	15	28	21	26	30	17	30
<i>Pinus contorta</i>	26	30	15	15	12	44	44	15	30
<i>Pinus nigra</i>	30	26	15	15	19	42	40	15	26
<i>Pinus palustris</i>	15	16	15	16	15	15	15	15	14
<i>Pinus pinea</i>	15	19	15	15	20	17	34	26	22
<i>Pinus ponderosa</i>	21	15	15	15	19	17	27	14	16
<i>Pinus sabiniana</i>	15	15	15	15	15	15	23	14	12
<i>Pinus sylvestris</i>	26	20	15	15	15	28	36	15	22
<i>Pinus taeda</i>	15	21	17	19	17	15	15	17	22
<i>Piptochaetium montevidense</i>	17	26	15	17	18	28	44	18	30
<i>Poa bulbosa</i>	48	38	15	15	38	48	48	30	34
<i>Poa compressa</i>	42	32	15	15	15	42	26	15	28
<i>Poa pratensis</i>	46	36	15	17	23	46	42	19	30
<i>Poa trivialis</i>	44	32	15	15	20	48	44	15	30
<i>Polygonum bellardii</i>	32	36	15	19	34	32	50	28	32
<i>Polygonum patulum</i>	24	18	15	15	30	42	30	16	26
<i>Populus tremula</i>	26	18	15	15	17	44	36	15	26
<i>Praxelis clematidea</i>	15	22	16	36	16	15	12	26	32
<i>Prunus amygdalus</i>	21	24	15	15	34	22	44	18	32
<i>Prunus armeniaca</i>	44	38	15	30	36	28	34	32	36
<i>Prunus avium</i>	30	30	15	15	19	28	40	15	26
<i>Prunus cerasifera</i>	44	30	15	15	30	46	44	28	30
<i>Prunus domestica</i>	32	26	15	15	19	44	38	15	26
<i>Prunus laurocerasus</i>	21	24	15	15	19	42	38	15	28
<i>Prunus persica</i>	46	40	15	30	32	32	44	20	34
<i>Prunus serotina</i>	42	34	15	16	15	24	26	15	26
<i>Prunus spinosa</i>	48	36	15	19	23	46	44	19	30
<i>Pycreus flavescens</i>	32	38	17	30	18	28	26	17	32
<i>Quercus ilex</i>	33	22	15	15	30	42	32	15	28
<i>Quercus robur</i>	42	26	15	15	19	42	38	15	26
<i>Reseda alba</i>	23	22	15	15	36	44	48	26	32
<i>Retama monosperma</i>	15	15	17	19	30	15	16	20	26
<i>Rubus idaeus</i>	42	22	15	15	17	32	40	15	26
<i>Rubus laciniatus</i>	32	26	15	15	21	42	40	15	28
<i>Schinus molle</i>	29	40	23	32	46	42	50	36	40
<i>Senna didymobotrya</i>	15	32	15	32	20	20	22	18	32
<i>Senna multiglandulosa</i>	15	30	15	12	32	44	40	24	28
<i>Senna siamea</i>	15	15	34	32	15	18	15	18	28
<i>Setaria palmifolia</i>	19	38	15	30	30	22	28	30	30
<i>Setaria sphacelata</i>	23	44	21	38	20	26	26	26	36

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Solanum abutiloides</i>	15	15	15	24	16	15	15	14	22
<i>Solanum americanum</i>	50	44	21	34	44	50	50	36	38
<i>Solanum asperolanatum</i>	15	17	15	15	22	28	26	14	20
<i>Solanum capsicoides</i>	15	40	15	34	17	19	18	16	34
<i>Solanum dulcamara</i>	28	18	15	15	15	44	26	15	24
<i>Solanum furcatum</i>	17	17	15	15	16	42	40	14	28
<i>Solanum laxum</i>	15	32	15	20	17	30	40	17	28
<i>Solanum lycopersicum.</i>	46	38	17	24	36	28	34	30	34
<i>Solanum melongena</i>	23	28	17	19	38	22	34	20	28
<i>Solanum nigrescens</i>	19	26	17	18	28	19	38	20	28
<i>Solanum orbiculatum</i>	15	22	36	24	46	15	18	40	40
<i>Solanum pseudocapsicum</i>	38	46	17	36	38	48	46	22	40
<i>Solanum radicans</i>	21	38	17	24	24	24	20	16	32
<i>Solanum sisymbriifolium</i>	32	44	17	36	26	32	44	26	34
<i>Solanum tuberosum</i>	31	24	15	15	26	32	36	16	26
<i>Solanum villosum</i>	28	20	15	15	30	24	30	24	26
<i>Spergula pentandra</i>	32	34	15	15	22	20	44	24	30
<i>Stylosanthes humilis</i>	15	19	38	36	15	17	15	34	32
<i>Stylosanthes viscosa</i>	15	16	34	34	16	17	16	32	30
<i>Tarenaya hassleriana</i>	28	36	15	22	19	23	38	17	32
<i>Tephrosia nana</i>	15	15	18	16	14	16	15	16	18
<i>Tradescantia zebrina</i>	19	38	15	36	16	26	22	16	32
<i>Tragopogon dubius</i>	40	28	15	15	14	24	25	15	28
<i>Trifolium fragiferum</i>	44	38	15	17	36	44	50	30	30
<i>Triumfetta bogotensis</i>	15	20	15	30	14	19	16	14	30
<i>Verbascum blattaria</i>	46	34	15	15	15	38	44	15	30
<i>Viburnum tinus</i>	25	17	15	15	32	42	44	16	30
<i>Vicia sativa</i>	48	38	15	28	36	50	50	30	34
<i>Vinca minor</i>	32	26	15	15	17	26	40	15	26

Appendix 5b: High priority species for each state and territory for the future climate (RCP 8.5 2035). As the warmth of colour increases so does the invasion risk. The invasion risk score for each state/territory and nationally is shown for each species.

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Acanthocereus tetragonus</i>	15	17	16	26	17	15	15	14	22
<i>Aeonium arboreum</i>	15	14	15	15	38	38	44	32	32
<i>Aeschynomene americana</i>	15	16	32	34	15	22	17	30	30
<i>Agapanthus praecox</i>	15	28	15	12	30	46	38	28	30
<i>Agrostis capillaris</i>	44	32	15	15	23	48	42	17	30
<i>Agrostis gigantea</i>	44	32	15	19	21	46	42	17	28
<i>Agrostis stolonifera</i>	34	34	15	15	26	46	46	21	30
<i>Aira caryophylla</i>	46	36	15	15	32	50	48	30	32
<i>Alopecurus aequalis</i>	32	30	15	15	21	32	42	15	28
<i>Alopecurus geniculatus</i>	40	30	15	19	23	44	44	21	30
<i>Alopecurus myosuroides</i>	30	26	15	15	28	40	44	17	30
<i>Alopecurus pratensis</i>	40	30	15	15	21	46	40	17	28
<i>Annona squamosa</i>	15	15	36	32	15	15	15	32	32
<i>Anthoxanthum aristatum</i>	32	26	15	15	16	24	46	14	28
<i>Anthoxanthum odoratum</i>	44	32	15	19	23	48	42	19	32
<i>Anthriscus caucalis</i>	23	16	15	15	16	40	42	17	26
<i>Antigonon leptopus</i>	15	24	36	40	16	17	17	32	36
<i>Arctium lappa</i>	30	26	15	15	15	40	42	15	24
<i>Arrhenatherum elatius</i>	44	32	15	17	21	46	44	19	28
<i>Arum italicum</i>	21	21	15	15	30	42	44	22	30
<i>Atriplex hortensis</i>	40	26	15	15	15	44	42	17	26
<i>Avellinia michelii</i>	15	17	15	15	38	24	40	32	34
<i>Avena fatua</i>	50	42	19	22	38	48	50	34	36
<i>Avena sativa</i>	48	40	17	19	36	48	48	30	34
<i>Avena sterilis</i>	33	38	15	21	36	40	48	26	34
<i>Berberis vulgaris</i>	32	30	15	15	17	40	38	15	26
<i>Betula pendula</i>	38	26	15	15	17	42	42	15	26
<i>Bixa orellana</i>	15	15	14	32	15	17	15	17	28
<i>Bougainvillea glabra</i>	15	34	17	36	20	32	44	18	32
<i>Brachypodium distachyon</i>	19	30	15	15	38	36	48	38	34
<i>Brassica oleracea</i>	46	36	17	15	30	48	46	24	30
<i>Brassica rapa</i>	46	38	15	22	30	48	44	30	30
<i>Briza maxima</i>	33	36	15	19	40	48	48	38	34
<i>Briza minor</i>	42	38	15	21	42	50	50	40	38
<i>Bromus hordeaceus</i>	46	36	15	19	38	50	48	30	34
<i>Bromus inermis</i>	44	28	15	15	15	26	38	15	26
<i>Bromus lanceolatus</i>	29	22	15	15	30	19	44	28	30
<i>Bromus madritensis</i>	31	34	15	15	38	42	48	32	36
<i>Bromus racemosus</i>	42	30	15	15	15	24	42	15	28
<i>Bromus rubens</i>	29	38	15	15	44	22	50	36	38

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Bromus secalinus</i>	32	30	15	15	15	24	36	15	24
<i>Bromus tectorum</i>	46	34	15	15	17	40	44	15	30
<i>Buddleja davidii</i>	42	28	15	17	21	46	42	17	28
<i>Caesalpinia gilliesii</i>	24	42	26	34	40	19	44	32	38
<i>Cajanus cajan</i>	15	21	26	34	15	17	15	21	30
<i>Calamagrostis epigejos</i>	24	16	15	15	15	42	22	15	26
<i>Calyptracarpus vialis</i>	15	42	16	38	20	17	19	18	36
<i>Calystegia silvatica</i>	23	22	15	15	19	46	38	15	28
<i>Capsicum annum</i>	42	38	17	32	32	28	32	22	34
<i>Cardamine corymbosa</i>	17	16	15	15	15	38	26	15	20
<i>Carex disticha</i>	38	18	15	15	15	22	32	15	22
<i>Carex divisa</i>	33	24	15	15	36	40	50	34	34
<i>Carex divulsa</i>	23	18	15	15	20	38	44	15	26
<i>Carex pilulifera</i>	22	14	15	15	15	38	34	15	22
<i>Carex punctata</i>	21	18	15	15	15	32	40	15	26
<i>Carex scoparia</i>	21	15	15	15	15	21	17	15	20
<i>Casimiroa edulis</i>	15	17	15	16	14	22	17	16	16
<i>Catapodium rigidum</i>	31	28	15	15	38	46	48	30	36
<i>Centrosema pascuorum</i>	15	15	34	26	15	15	15	30	28
<i>Centrosema plumieri</i>	15	15	30	22	15	16	15	14	24
<i>Cerasus lusitanica</i>	15	19	15	15	19	42	38	15	26
<i>Ceratonia siliqua</i>	15	21	15	17	32	19	38	16	26
<i>Cestrum aurantiacum</i>	17	26	15	12	28	30	32	14	28
<i>Cestrum elegans</i>	17	34	15	28	14	30	42	15	32
<i>Cestrum nocturnum</i>	15	26	15	30	22	22	14	16	28
<i>Chloris pilosa</i>	15	15	36	18	15	15	15	16	32
<i>Chloris virgata</i>	40	46	40	42	44	26	44	40	42
<i>Chorispora tenella</i>	23	17	15	15	15	15	25	15	22
<i>Cichorium intybus</i>	48	36	15	19	30	42	46	21	30
<i>Citrullus lanatus</i>	50	48	38	40	46	44	50	40	42
<i>Clematis flammula</i>	17	18	15	15	32	20	40	16	28
<i>Clitoria ternatea</i>	15	19	40	36	15	15	21	34	34
<i>Cocos nucifera</i>	15	15	26	28	15	21	15	12	22
<i>Codiaeum variegatum</i>	15	15	16	36	15	17	15	14	30
<i>Coix lacryma-jobi</i>	21	30	15	28	15	22	18	17	28
<i>Conyza primulifolia</i>	21	42	15	32	22	32	48	20	36
<i>Conyza sumatrensis</i>	48	40	15	28	34	46	48	32	36
<i>Cordyline australis</i>	15	17	15	15	17	25	27	15	22
<i>Cotoneaster divaricatus</i>	23	17	15	15	15	25	19	15	17
<i>Cotoneaster horizontalis</i>	27	19	15	15	17	44	38	15	26
<i>Crataegus pontica</i>	19	22	15	15	36	26	40	16	30
<i>Crotalaria agatiflora</i>	15	24	15	17	16	26	42	28	28
<i>Crotalaria incana</i>	29	40	20	38	24	26	28	24	34
<i>Crotalaria pallida</i>	19	38	32	38	20	22	22	26	34
<i>Cucumis anguria</i>	15	34	30	40	18	19	14	36	36

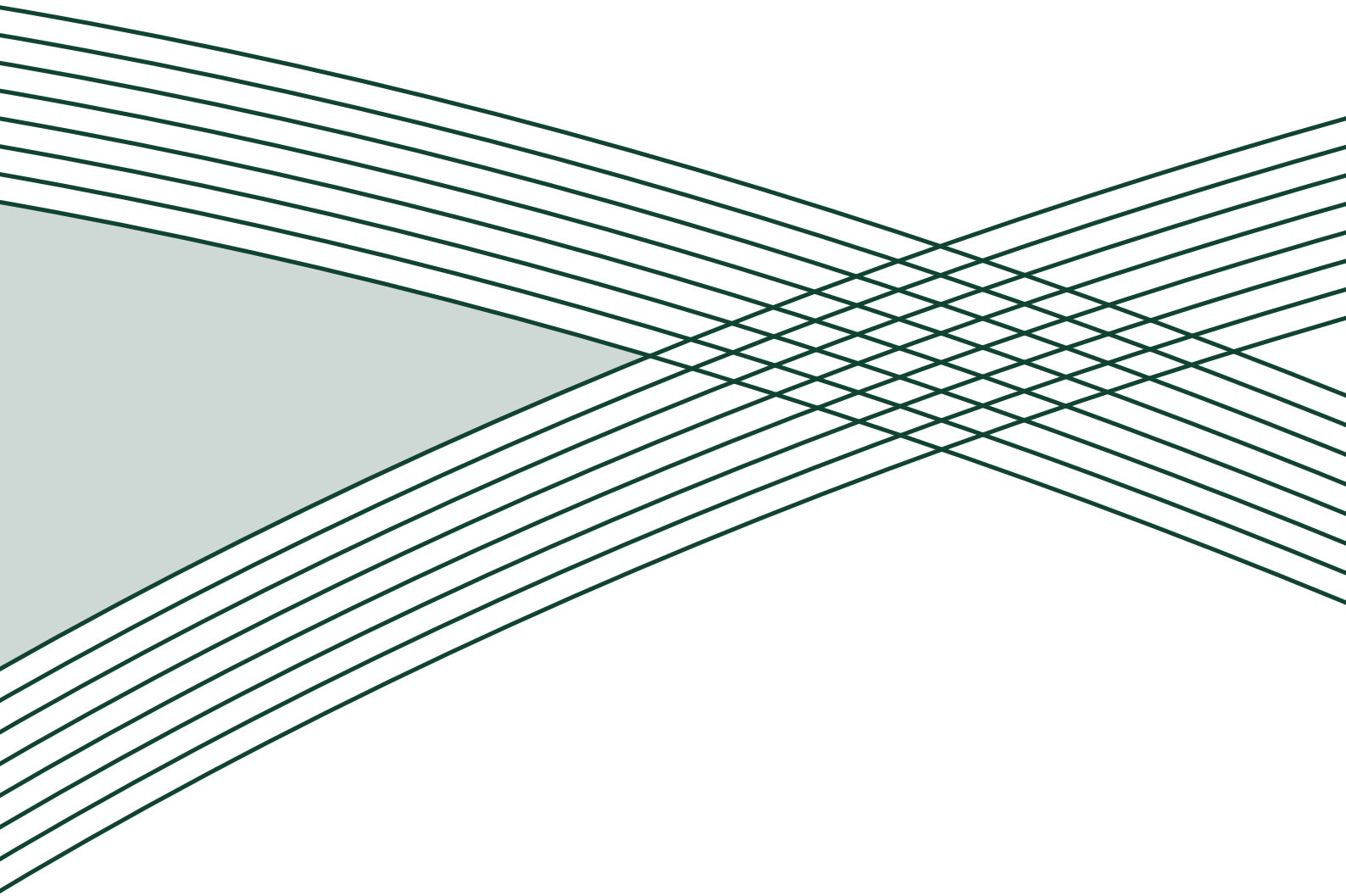
Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Cucumis dipsaceus</i>	15	30	14	34	22	22	22	20	30
<i>Cucumis myriocarpus</i>	40	46	30	34	42	34	48	34	40
<i>Cucurbita maxima</i>	44	40	15	24	22	28	34	34	34
<i>Cupressus macrocarpa</i>	15	19	15	15	26	46	28	17	28
<i>Cynara cardunculus</i>	28	36	15	15	20	28	32	18	32
<i>Cynosurus cristatus</i>	40	30	15	15	19	44	40	17	28
<i>Cynosurus echinatus</i>	40	34	15	15	38	48	48	34	32
<i>Cyperus aggregatus</i>	30	44	17	36	20	28	32	18	36
<i>Cyperus eragrostis</i>	46	40	17	28	34	48	50	32	36
<i>Dactylis glomerata</i>	48	36	15	19	32	50	48	30	34
<i>Dactyloctenium aegyptium</i>	23	30	44	44	23	17	25	38	38
<i>Desmanthus virgatus</i>	15	36	36	40	20	19	18	32	34
<i>Desmodium intortum</i>	15	28	15	30	16	38	18	16	30
<i>Desmodium tortuosum</i>	21	32	34	36	17	20	24	30	34
<i>Dichanthium annulatum</i>	15	32	40	44	24	15	15	26	36
<i>Dichrostachys cinerea</i>	15	18	32	36	16	17	14	18	30
<i>Digitaria ischaemum</i>	44	34	15	19	19	22	42	15	28
<i>Digitaria ternata</i>	19	34	15	22	16	36	26	16	28
<i>Digitaria violascens</i>	23	40	21	34	23	24	22	19	32
<i>Disa bracteata</i>	15	15	15	12	32	32	38	36	32
<i>Draba nemorosa</i>	23	15	15	15	15	23	16	15	12
<i>Ecballium elaterium</i>	19	30	15	15	34	32	46	28	32
<i>Echinochloa crus-galli</i>	32	40	14	26	38	26	46	38	38
<i>Echinochloa esculenta</i>	46	38	17	26	26	46	46	21	30
<i>Echinochloa frumentacea</i>	32	38	17	25	22	48	44	16	32
<i>Echinochloa muricata</i>	38	30	15	15	15	19	30	15	24
<i>Echinochloa oryzoides</i>	26	40	15	17	26	25	36	32	34
<i>Ehrharta calycina</i>	25	36	15	15	40	44	46	34	36
<i>Eleusine tristachya</i>	46	42	15	32	34	42	50	16	34
<i>Elytrigia repens</i>	44	32	15	15	21	46	44	17	30
<i>Eragrostis atrovirens</i>	15	20	20	34	15	22	19	18	30
<i>Eragrostis bahiensis</i>	15	26	17	32	21	23	22	21	32
<i>Eragrostis barrelieri</i>	19	44	40	34	46	17	32	38	40
<i>Eragrostis mexicana</i>	44	40	17	32	38	32	48	30	34
<i>Eragrostis patula</i>	19	40	19	34	24	40	24	22	32
<i>Eragrostis pilosa</i>	34	42	21	36	38	32	48	22	36
<i>Eragrostis tef</i>	46	36	15	30	28	24	36	16	32
<i>Erica arborea</i>	23	24	15	15	36	44	46	16	32
<i>Eriobotrya japonica</i>	38	42	15	32	36	46	48	28	38
<i>Eugenia uniflora</i>	15	38	17	34	20	18	16	18	34
<i>Euphorbia cyparissias</i>	28	16	15	15	17	40	22	15	24
<i>Euphorbia helioscopia</i>	44	36	15	19	30	48	46	22	30
<i>Euphorbia paralias</i>	15	24	15	15	38	46	44	32	34
<i>Euphorbia platyphyllos</i>	26	20	15	15	15	22	36	15	22
<i>Fallopia convolvulus</i>	44	34	15	19	28	48	44	21	30

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Festuca arundinacea</i>	46	36	15	15	32	48	48	23	30
<i>Festuca pratensis</i>	44	32	15	15	19	42	40	17	28
<i>Ficus carica</i>	34	36	15	15	36	46	48	30	32
<i>Florestina tripteris</i>	15	26	22	42	22	15	17	18	38
<i>Fraxinus excelsior</i>	40	22	15	15	17	40	38	15	26
<i>Fumaria muralis</i>	33	34	15	19	36	48	48	30	30
<i>Galium palustre</i>	30	26	15	15	19	44	34	15	26
<i>Gamochaeta americana</i>	46	36	15	26	30	48	44	22	30
<i>Gaura lindheimeri</i>	31	32	17	19	21	21	21	17	24
<i>Gazania linearis</i>	23	34	15	24	42	38	46	36	34
<i>Gazania rigens</i>	15	36	15	30	34	42	44	28	30
<i>Gladiolus communis</i>	23	18	15	15	30	42	46	24	28
<i>Gossypium barbadense</i>	15	24	28	32	14	22	18	16	30
<i>Gossypium hirsutum</i>	15	34	44	38	16	15	20	34	36
<i>Gossypium thurberi</i>	17	26	15	20	15	15	15	15	24
<i>Hebe elliptica</i>	15	15	15	15	15	21	15	15	20
<i>Hedysarum coronarium</i>	15	26	15	16	16	17	18	26	24
<i>Heimia salicifolia</i>	15	26	17	36	16	19	18	18	32
<i>Hemizonia pungens</i>	21	30	15	15	18	28	32	16	24
<i>Holcus lanatus</i>	46	36	15	19	32	50	48	30	32
<i>Holcus mollis</i>	26	22	15	15	15	42	36	15	24
<i>Hordeum secalinum</i>	19	15	15	15	15	22	34	15	18
<i>Hordeum vulgare</i>	44	38	17	19	36	46	46	34	34
<i>Humulus lupulus</i>	32	28	15	15	19	44	40	17	28
<i>Hylocereus undatus</i>	15	34	14	36	18	26	22	18	32
<i>Hypericum humifusum</i>	28	22	15	15	15	36	40	15	26
<i>Hyptis spicigera</i>	15	15	36	20	15	17	15	18	32
<i>Indigofera spicata</i>	15	32	17	34	16	22	18	16	30
<i>Indigofera tinctoria</i>	15	16	40	36	15	17	17	18	36
<i>Ipomoea aquatica</i>	15	15	42	36	15	15	15	38	38
<i>Ipomoea batatas</i>	15	26	15	30	16	28	20	24	30
<i>Ipomoea carnea</i>	15	23	28	32	21	15	15	28	32
<i>Ipomoea grandifolia</i>	15	20	36	36	15	18	25	26	34
<i>Ipomoea hederifolia</i>	21	32	34	38	14	24	20	26	36
<i>Ipomoea mauritiana</i>	15	15	24	30	15	21	15	12	28
<i>Ipomoea nil</i>	23	23	27	29	21	19	23	28	30
<i>Ipomoea obscura</i>	15	18	19	36	16	17	17	16	30
<i>Ipomoea pandurata</i>	17	15	15	15	17	15	15	15	20
<i>Ipomoea quamoclit</i>	15	30	36	34	17	15	23	30	32
<i>Iris foetidissima</i>	17	15	15	15	19	42	42	15	26
<i>Isolepis marginata</i>	23	24	15	12	38	40	42	36	32
<i>Juncus acuminatus</i>	23	24	15	15	15	34	31	15	22
<i>Juncus bulbosus</i>	28	26	15	15	24	44	42	15	28
<i>Juncus canadensis</i>	23	21	15	15	15	22	19	15	14
<i>Juncus capitatus</i>	40	36	15	15	38	44	48	32	36

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Juncus conglomeratus</i>	24	16	15	15	15	44	22	15	28
<i>Juncus fontanesii</i>	21	22	15	15	24	24	46	18	30
<i>Juncus inflexus</i>	30	20	15	15	14	28	46	15	28
<i>Juncus microcephalus</i>	19	34	15	16	24	44	46	36	32
<i>Juncus tenuis</i>	46	34	15	15	15	46	44	15	30
<i>Kniphofia uvaria</i>	15	24	15	15	26	36	42	16	28
<i>Koeleria macrantha</i>	50	34	15	15	12	44	44	15	28
<i>Lablab purpureus</i>	23	34	19	36	26	26	22	28	34
<i>Lamarckia aurea</i>	17	38	15	19	38	23	48	34	36
<i>Lathyrus angulatus</i>	31	28	15	15	20	18	44	16	28
<i>Lathyrus latifolius</i>	44	32	15	17	23	44	44	21	30
<i>Lathyrus nissolia</i>	23	17	15	15	15	34	36	15	22
<i>Lathyrus odoratus</i>	26	20	15	15	30	28	44	22	28
<i>Lepidium sativum</i>	32	22	15	15	28	46	44	17	28
<i>Lippia alba</i>	15	22	17	28	22	16	24	20	28
<i>Lonicera periclymenum</i>	24	18	15	17	15	42	22	15	22
<i>Lycium barbarum</i>	46	30	15	19	21	42	42	15	28
<i>Macroptilium lathyroides</i>	15	36	38	38	26	20	22	36	36
<i>Malva moschata</i>	30	20	15	15	15	42	38	15	26
<i>Matthiola incana</i>	23	14	15	15	34	46	46	30	32
<i>Mecardonia procumbens</i>	15	22	15	32	16	15	12	16	28
<i>Medicago arborea</i>	15	18	16	18	24	22	38	22	28
<i>Medicago littoralis</i>	15	26	15	15	36	34	40	36	32
<i>Medicago sativa</i>	48	38	15	19	36	46	46	26	32
<i>Merremia quinquefolia</i>	15	15	22	32	15	15	15	22	32
<i>Merremia tuberosa</i>	15	15	15	26	15	15	15	15	22
<i>Miscanthus sinensis</i>	23	28	15	15	17	36	20	17	24
<i>Myosotis sylvatica</i>	42	30	15	15	23	44	42	17	28
<i>Ononis spinosa</i>	26	20	15	15	20	42	44	15	28
<i>Ornithogalum umbellatum</i>	32	32	15	15	19	36	36	15	28
<i>Osteospermum ecklonis</i>	19	40	15	28	14	24	34	22	32
<i>Panicum antidotale</i>	42	44	40	40	42	20	32	38	40
<i>Panicum bulbosum</i>	15	24	15	12	14	17	25	16	24
<i>Panicum capillare</i>	46	36	15	15	23	40	44	19	30
<i>Panicum coloratum</i>	29	42	18	38	34	19	42	20	36
<i>Panicum repens</i>	19	42	23	38	22	22	24	28	36
<i>Panicum schinzii</i>	40	40	15	26	28	30	42	18	32
<i>Paspalum conjugatum</i>	15	30	21	32	15	20	17	12	30
<i>Paspalum notatum</i>	21	42	17	36	20	30	46	28	36
<i>Paspalum paniculatum</i>	15	30	15	34	14	22	14	14	30
<i>Paspalum plicatulum</i>	15	24	23	32	16	20	22	16	30
<i>Paspalum urvillei</i>	21	44	17	32	17	34	40	18	32
<i>Passiflora caerulea</i>	29	38	17	26	32	42	46	19	32
<i>Pennisetum glaucum</i>	23	29	32	34	19	15	27	36	36
<i>Pennisetum pedicellatum</i>	15	15	38	34	15	15	15	34	34

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Petasites fragrans</i>	15	15	15	15	15	40	30	15	24
<i>Phalaris coerulescens</i>	15	17	15	15	20	21	34	16	20
<i>Phormium tenax</i>	21	19	15	15	17	34	17	15	22
<i>Phytolacca americana</i>	32	34	15	23	19	26	30	17	28
<i>Pinus contorta</i>	26	30	15	15	15	44	44	15	30
<i>Pinus nigra</i>	30	22	15	15	19	42	40	15	26
<i>Pinus palustris</i>	15	12	15	12	15	15	15	15	12
<i>Pinus pinea</i>	15	19	15	15	20	17	32	26	22
<i>Pinus ponderosa</i>	23	17	15	15	17	17	27	15	20
<i>Pinus sabiniana</i>	15	15	15	15	15	15	23	12	12
<i>Pinus sylvestris</i>	26	20	15	15	15	26	36	15	22
<i>Pinus taeda</i>	15	19	17	19	15	15	15	15	20
<i>Piptochaetium montevidense</i>	19	26	15	17	18	28	44	18	30
<i>Poa bulbosa</i>	46	36	15	15	38	46	48	28	34
<i>Poa compressa</i>	42	30	15	15	15	42	26	15	28
<i>Poa pratensis</i>	46	34	15	17	23	46	42	19	30
<i>Poa trivialis</i>	44	30	15	15	18	48	44	15	30
<i>Polygonum bellardii</i>	32	32	15	19	34	32	50	28	32
<i>Polygonum patulum</i>	24	18	15	15	30	42	30	16	26
<i>Populus tremula</i>	24	16	15	15	17	42	38	15	26
<i>Praxelis clematidea</i>	15	20	14	38	17	15	15	24	32
<i>Prunus amygdalus</i>	21	23	15	15	34	22	44	18	32
<i>Prunus armeniaca</i>	44	38	15	28	36	28	34	30	36
<i>Prunus avium</i>	30	26	15	15	19	26	42	15	26
<i>Prunus cerasifera</i>	44	28	15	15	30	46	44	24	30
<i>Prunus domestica</i>	32	24	15	15	19	44	38	15	26
<i>Prunus laurocerasus</i>	19	19	15	15	19	42	36	15	28
<i>Prunus persica</i>	44	38	15	28	30	32	44	19	30
<i>Prunus serotina</i>	42	32	15	12	15	24	26	15	24
<i>Prunus spinosa</i>	46	36	15	19	23	46	44	19	30
<i>Pycreus flavescens</i>	32	36	17	28	16	28	26	17	30
<i>Quercus ilex</i>	33	20	15	15	30	42	32	15	28
<i>Quercus robur</i>	40	26	15	15	19	42	38	15	26
<i>Reseda alba</i>	23	22	15	15	36	44	48	26	32
<i>Retama monosperma</i>	15	17	17	19	32	15	14	22	26
<i>Rubus idaeus</i>	42	22	15	15	17	28	40	15	26
<i>Rubus laciniatus</i>	30	26	15	15	21	42	40	15	28
<i>Schinus molle</i>	29	40	23	32	46	44	50	34	38
<i>Senna didymobotrya</i>	15	34	15	32	20	20	22	18	32
<i>Senna multiglandulosa</i>	15	30	15	12	32	44	40	24	28
<i>Senna siamea</i>	15	15	34	32	15	20	15	18	28
<i>Setaria palmifolia</i>	19	40	15	30	30	22	28	28	30
<i>Setaria sphacelata</i>	23	42	21	36	20	26	26	26	36
<i>Solanum abutiloides</i>	15	15	15	24	16	15	15	14	22
<i>Solanum americanum</i>	48	44	21	30	44	50	50	36	36

Species	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	AUS
<i>Solanum asperolanatum</i>	15	18	15	15	22	28	26	12	20
<i>Solanum capsicoides</i>	15	40	15	32	17	20	18	14	32
<i>Solanum dulcamara</i>	28	16	15	15	15	42	26	15	24
<i>Solanum furcatum</i>	17	14	15	15	16	44	38	14	28
<i>Solanum laxum</i>	15	30	15	17	17	30	38	17	28
<i>Solanum lycopersicum.</i>	46	36	17	22	34	28	34	28	34
<i>Solanum melongena</i>	23	28	17	16	38	22	34	20	28
<i>Solanum nigrescens</i>	21	24	17	18	22	18	36	20	30
<i>Solanum orbiculatum</i>	15	22	34	20	44	15	20	40	38
<i>Solanum pseudocapsicum</i>	33	44	17	34	36	48	46	22	38
<i>Solanum radicans</i>	21	38	17	20	24	22	20	16	30
<i>Solanum sisymbriifolium</i>	32	44	17	34	26	32	44	24	34
<i>Solanum tuberosum</i>	31	24	15	15	26	32	36	16	24
<i>Solanum villosum</i>	26	18	15	15	26	24	30	24	24
<i>Spergula pentandra</i>	30	34	15	15	20	20	44	22	30
<i>Stylosanthes humilis</i>	15	19	42	36	15	17	15	34	32
<i>Stylosanthes viscosa</i>	15	14	34	34	16	14	16	32	30
<i>Tarenaya hassleriana</i>	23	32	15	21	17	23	34	15	26
<i>Tephrosia nana</i>	15	15	16	16	14	16	15	16	18
<i>Tradescantia zebrina</i>	19	38	15	34	16	26	22	16	32
<i>Tragopogon dubius</i>	23	19	15	15	15	21	25	15	24
<i>Trifolium fragiferum</i>	40	36	15	17	36	44	50	30	30
<i>Triumfetta bogotensis</i>	15	20	15	28	12	19	14	12	28
<i>Verbascum blattaria</i>	44	32	15	15	17	38	44	15	30
<i>Viburnum tinus</i>	23	17	15	15	32	42	44	16	30
<i>Vicia sativa</i>	48	38	15	24	36	50	48	30	34
<i>Vinca minor</i>	30	24	15	15	17	24	40	15	26



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