

SOUTHERN & SOUTH-WESTERN FLATLANDS NRM CLUSTER



IMPACTS & ADAPTATION I N F O R M A T I O N FOR AUSTRALIA'S NRM REGIONS

Species distribution modelling: Incorporating climate change into natural resource management planning

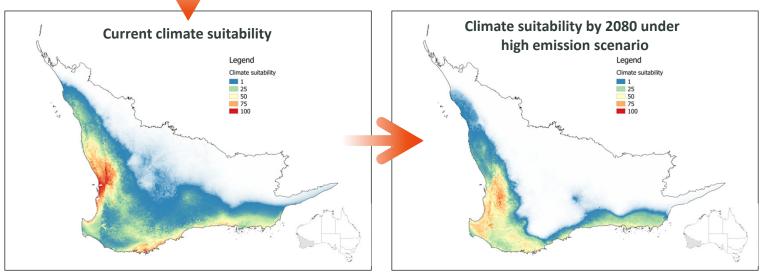
What is species distribution modelling?

Occurrence records Legend Occurrence Records Calyptorthynchus latirostris

- An example using Carnaby's Cockatoo

- Correlates Carnaby's Cockatoo occurrence records to climate variables and calculates relative importance of each variable
- Current prediction = likely locations of Carnaby's Cockatoo based on climate variables (can be used for locating rare or cryptic species)
- Future prediction = future potential distribution of Carnaby's Cockatoo based on suitable climate/environment

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Natural Resources Eyre Peninsula



An Australian Government Initiative