



SOUTHERN & SOUTH-WESTERN FLATLANDS NRM CLUSTER

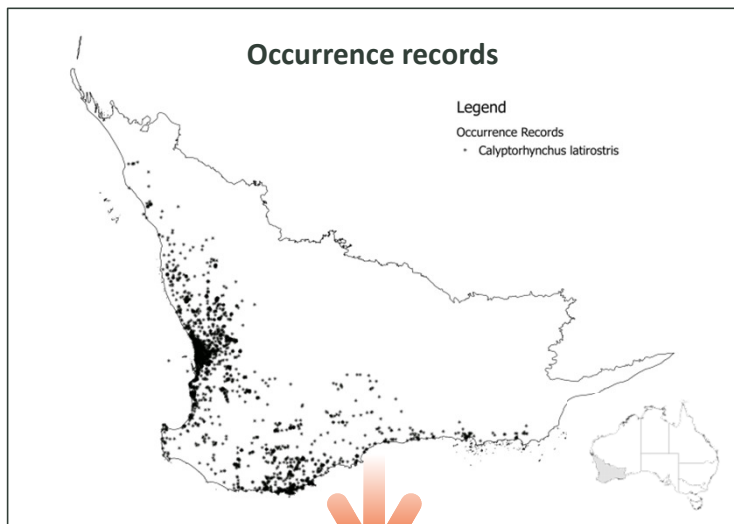


IMPACTS & ADAPTATION
INFORMATION
FOR AUSTRALIA'S NRM REGIONS

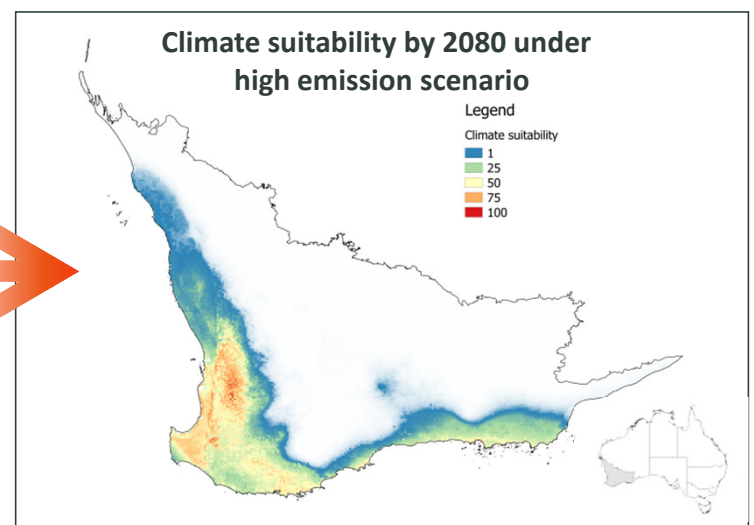
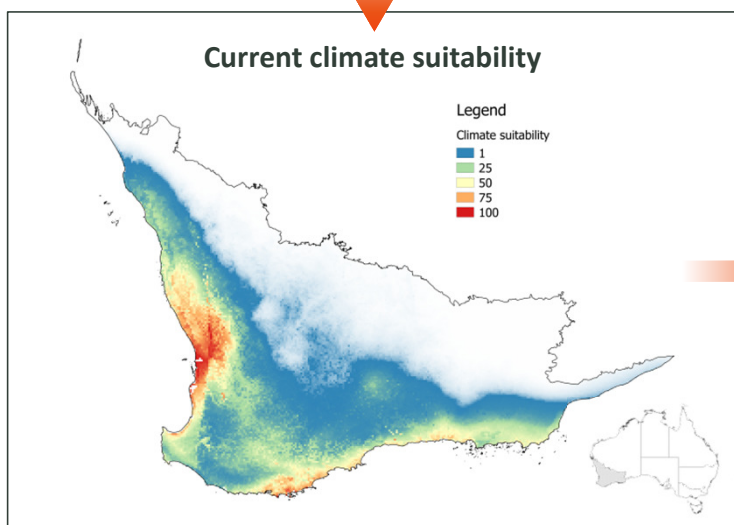
Species distribution modelling: Incorporating climate change into natural resource management planning

What is species distribution modelling?

- 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



Ben Ford & Barbara Cook – CENRM

benjamin.ford@uwa.edu.au

Barbara.Cook@uwa.edu.au