



Australian Government

Australian Radiation Protection and Nuclear Safety Agency

Radiological Protection of Flora and Fauna throughout Australia – Developing a National Approach

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Radionuclide Sources





What are we doing?

- **Aim:** Production of a Safety Guide for Radiation Protection of the Environment
- **Why?** Uniform National Guidance Required
- **How?** 3 year project including;
 - Working Group (Govt/Industry) – links to EMRAS
 - Stakeholder interaction (Govt/Industry/Conservation/International)
 - Public comment
- Linkages with Australian CR data collation project





Building the Safety Guide

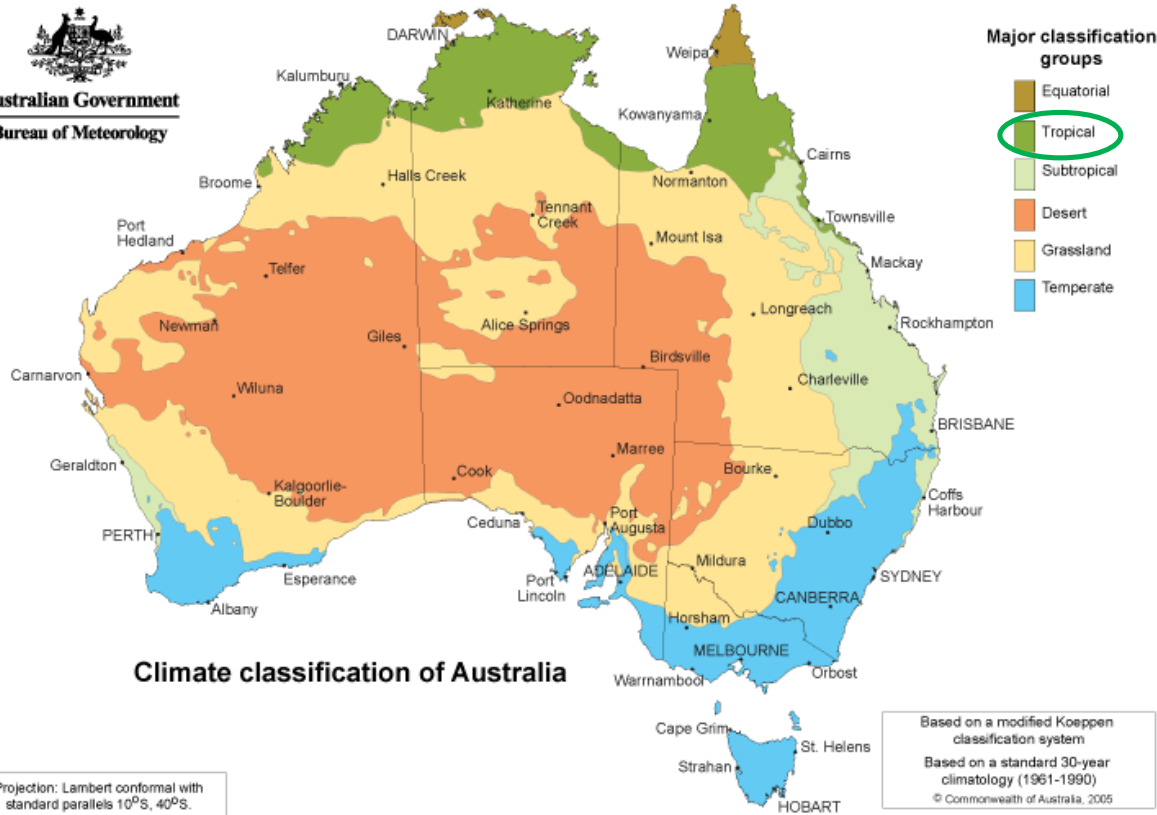
- Describes a framework & concepts
- Provides guidance and advice
- Is not intended to be prescriptive

- Some specific challenges to be addressed;
 - 9 Jurisdictions/legislations
 - Varied climate
 - Unique biota





Australian Climatic Zones



- Equatorial
- Tropical
- Subtropical
- Desert
- Grassland
- Temperate



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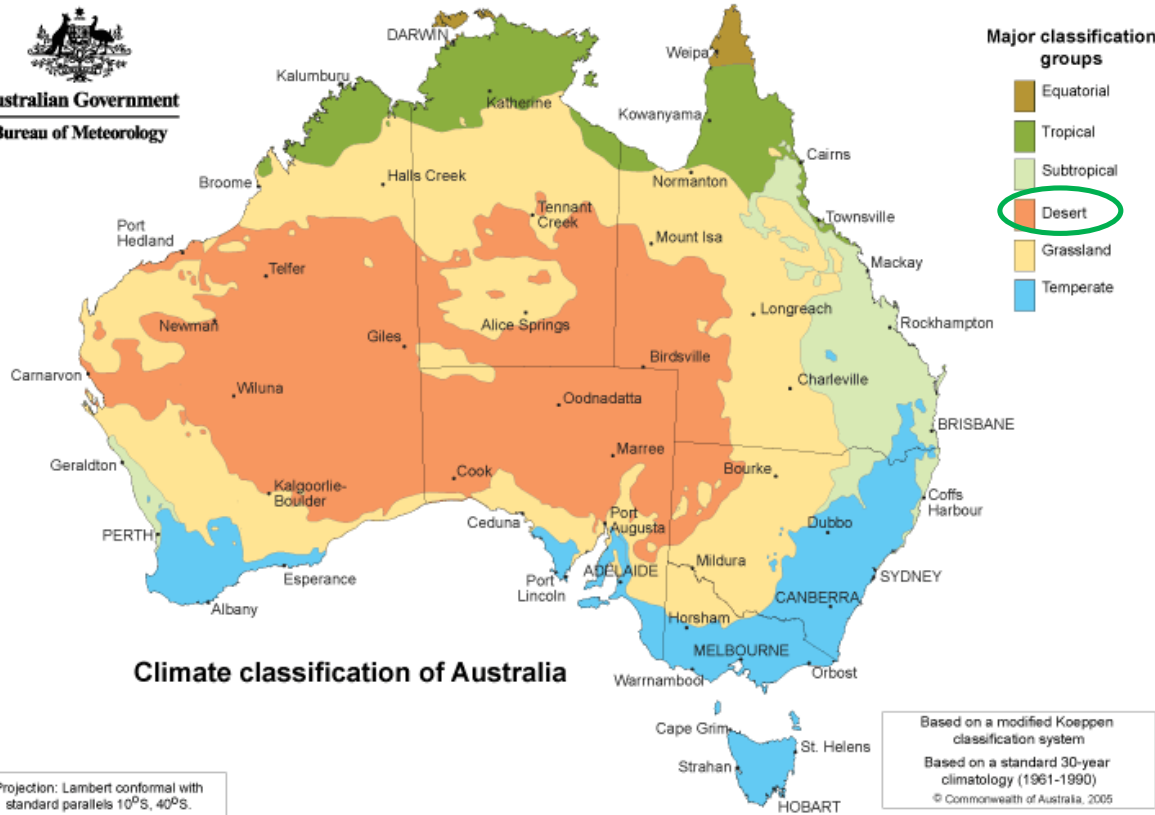
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Tropical Biota





Australian Climatic Zones



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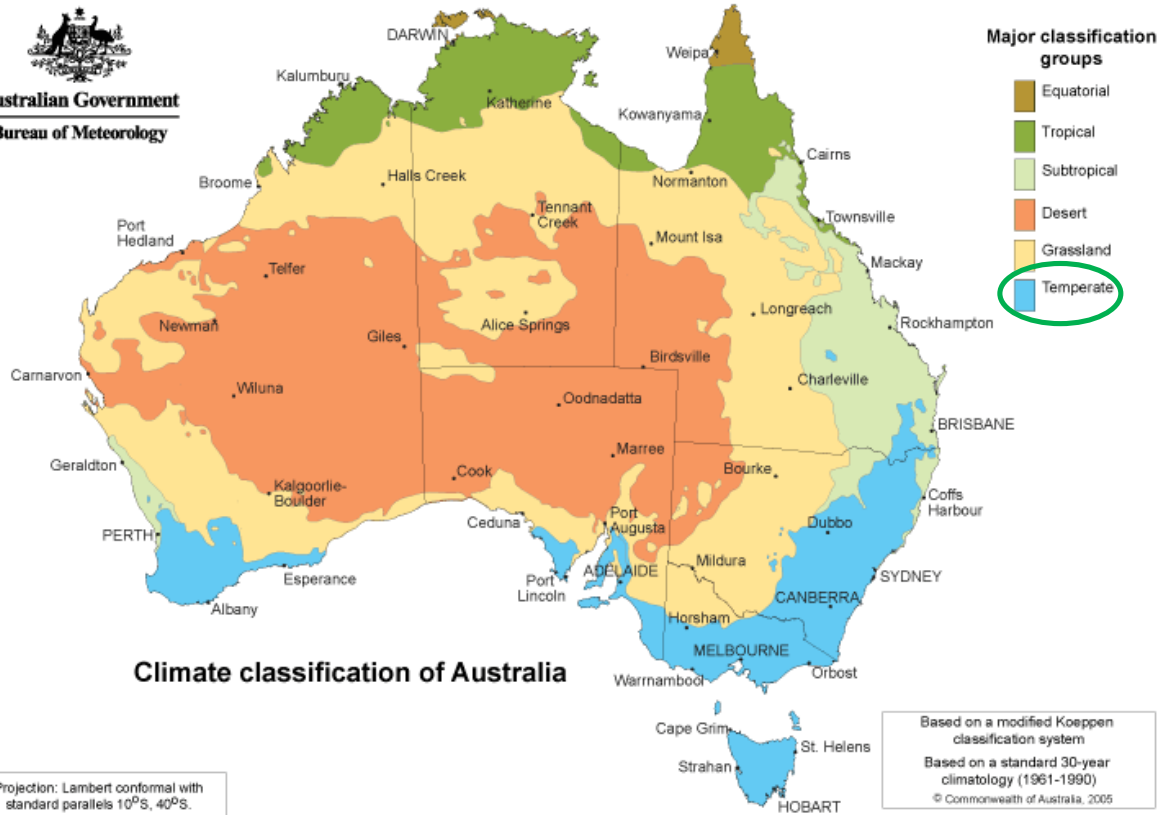


Desert Biota





Australian Climatic Zones



- Equatorial
- Tropical
- Subtropical
- Desert
- Grassland
- Temperate



Temperate Biota





Other Species Types to Consider

- Monotremes



- Wildflowers

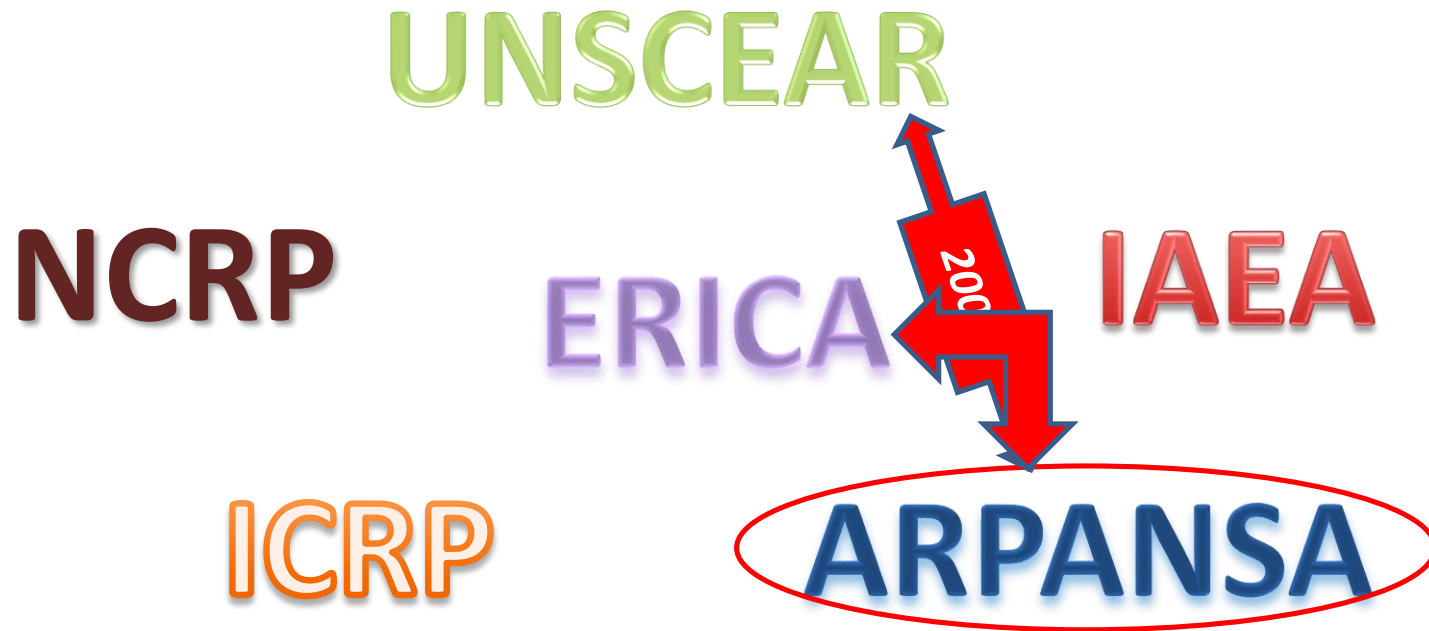


- Marine





Setting Reference Levels



- A work in progress!



Current Status and the Future

- Three year project plan started December 2011
- Working group established, drafting underway
- Milestones;

First Draft	December 2012
Draft to Consultancy Group	April 2013
Response to feedback	End 2013
Public consultation	Early 2014
Document finalised/endorsed	End 2014

- Early days, but on schedule



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THANK YOU

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