



Leveraging Earth Observation Data for Natural Resource Management Projects

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Acknowledgement of Country

In the spirit of reconciliation, we acknowledge the Traditional Custodians of country throughout Australia and their connections to land, sea and community. We pay our respect to their elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

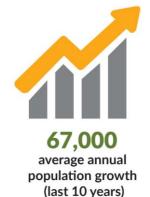


Artwork by Daniel Evans, Walkabout Warriors Art





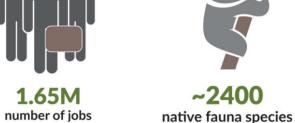
- Our region is known for being:
- Beautiful.
- Biodiverse.
- Populated.
- Climate change exposed.





\$14B tourism industry in SEQ per annum







home to around 40% of Queensland's **Aboriginal and Torres Strait** Islander population



1 IN 7 Australians living in SEQ

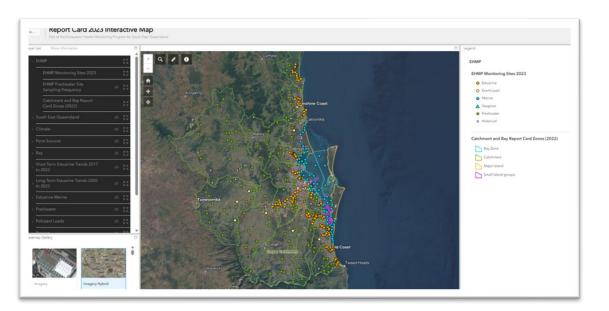


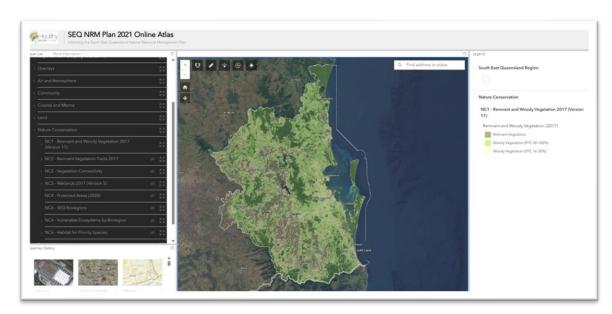
~6000 flora species



Where does GIS fit in NRM's

- It underpins much of our work
- Utilise region wide data to do landscape assessments
- Open-source, large scale data







Challenges to implementation and utilisation

Training for HLW staff

- Better utilise ESRI tools to analyse satellite data
- To use ENVI and understand the practical benefits
- Any others that are fit for purpose

Data privacy standards

- Stakeholder data (landholders, general public ect)
- Navigating indigenous resources



Current software vs No access





Where can EO data fit?

- Planning projects
- Support on-ground monitoring (tree establishment, restoration works)
- Better spatial and temporal information











Opportunities

- Less reliance on open-source data
- High quality region scale data
- Landscape scale assessment skill development
 - Landcover change assessments
 - Update NRM plan
 - Prioritisation works
 - Integrated sediment assessment





Thankyou!

