Mapping Land Use and Land Cover with Remote Sensing

Andy Clark
Remote Sensing Centre
Department of Environment and Science
Remote Sensing Centre

- Assess and monitor Queensland's landscapes
- Undertake research
- Provide remote sensing services
Land use mapping

• 20 years of land use mapping

• The Australian Collaborative Land Use and Management Program
Land use mapping - Applications

- Water quality modelling
- Biosecurity
- Natural disasters
Land use mapping - Problem

- Time and resource intensive
- Significant delays in the data release
- The data can be 2 years old when released
Land use land cover mapping – Solution

- Remote sensing classification techniques
- Sugarcane and bananas crops
Land use land cover mapping – Monitoring

2015 - 2018 Change
- New
- Removed
- No Change
Land use land cover mapping – Other features

Water

Trees

Fallow
Questions?