



Australian Government
Geoscience Australia



Digital Earth
AUSTRALIA

Digital Earth Australia: Big Data for a Big Country

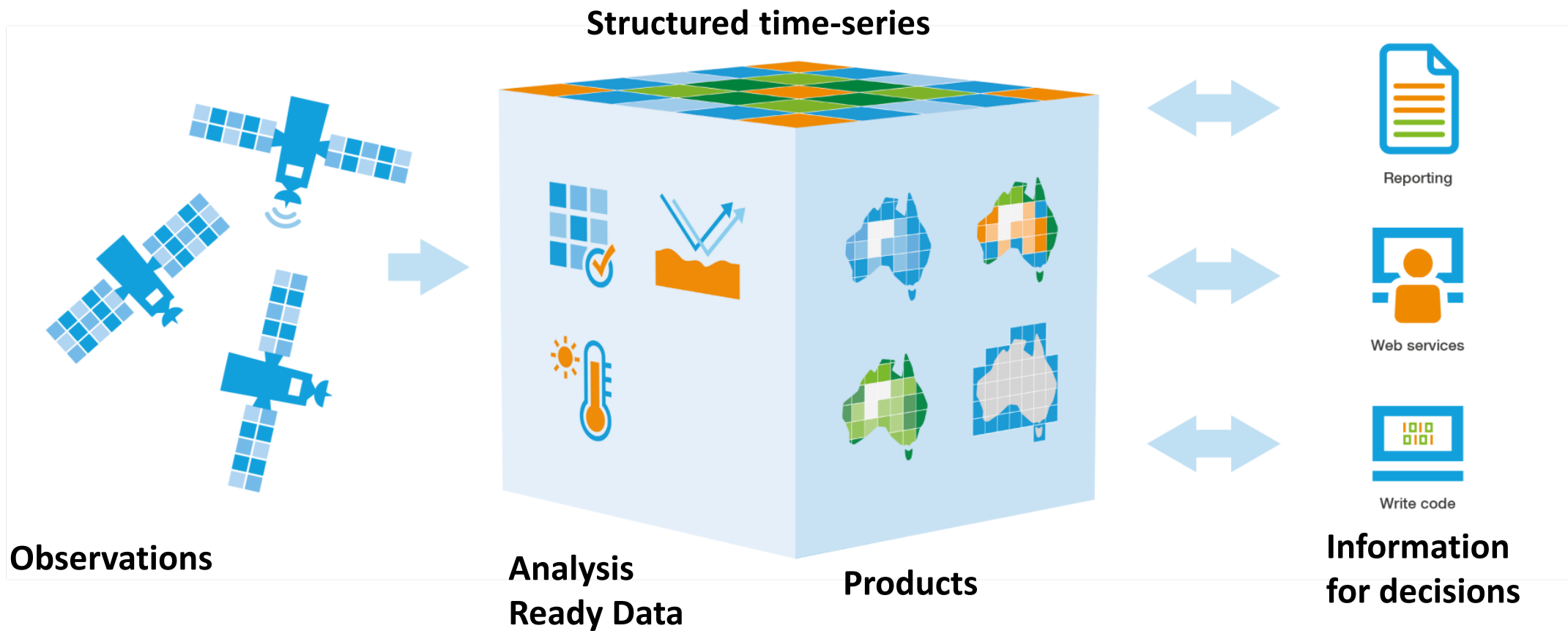
Dr Stuart Minchin,
Geoscience Australia







Digital Earth Australia



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY




6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



Search for locations

Add data

DATA SETS [2] Remove All

Landsat 5 False colour

Zoom To Extent About This Data Split Remove

Opacity: 100 %

Left Both Right

Time: 05/09/1987, 10:00:00

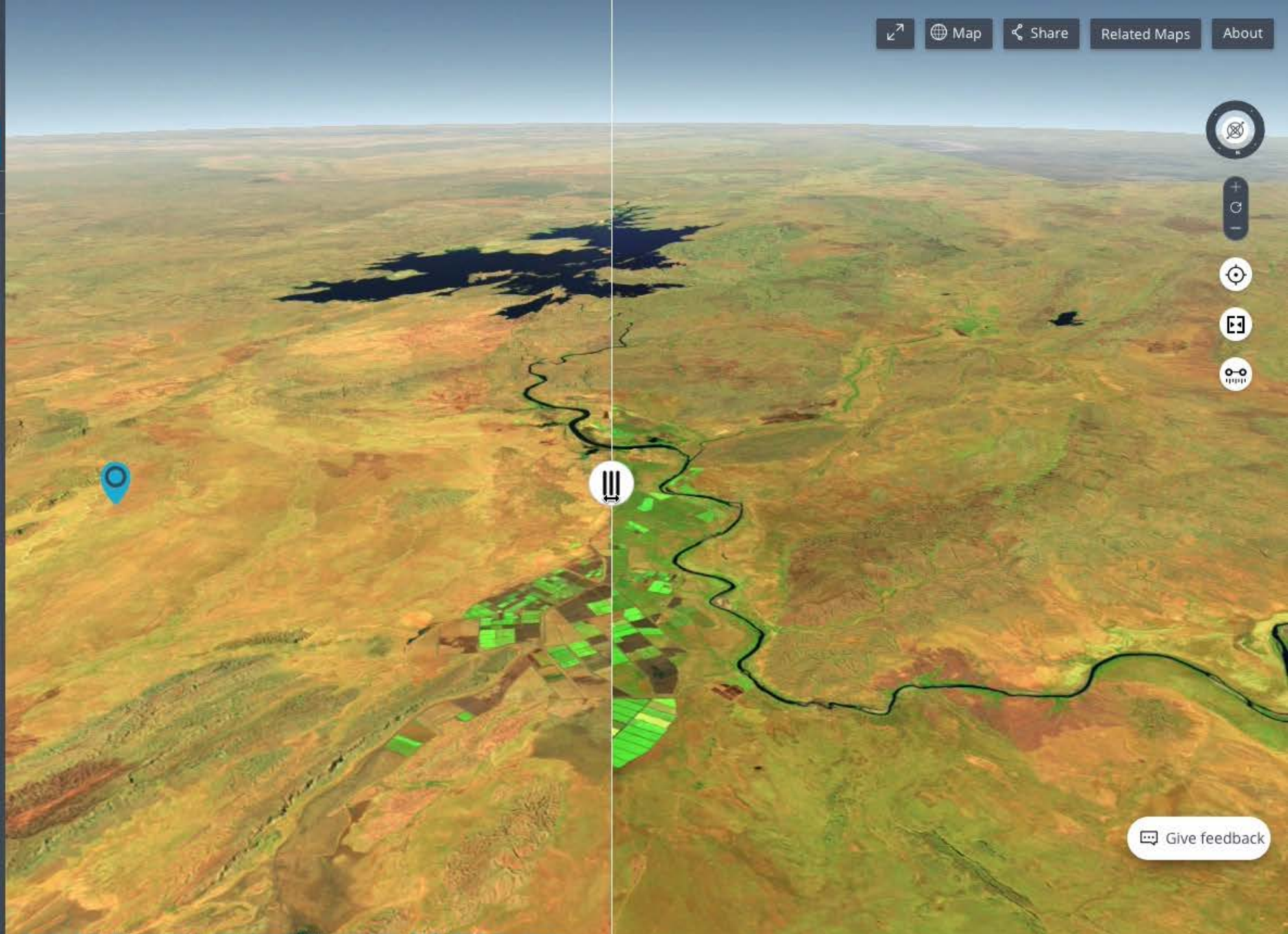
Landsat 8 False colour

Zoom To Extent About This Data Split Remove

Opacity: 100 %

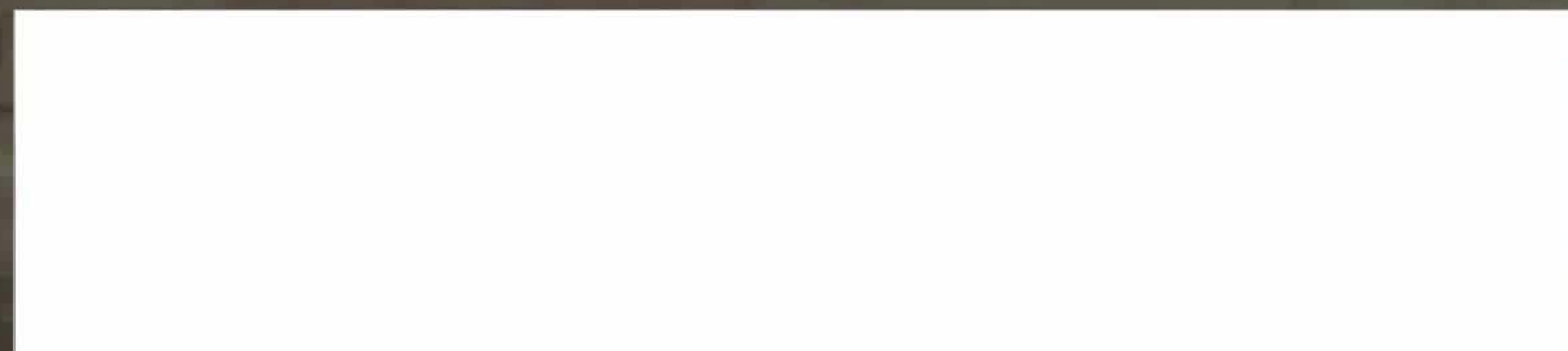
Left Both Right

Time: 18/07/2017, 10:00:00



Map navigation controls: a vertical stack of icons including a compass, a zoom in (+) and zoom out (-) button, a location pin, a full screen icon, and a home icon.

Give feedback

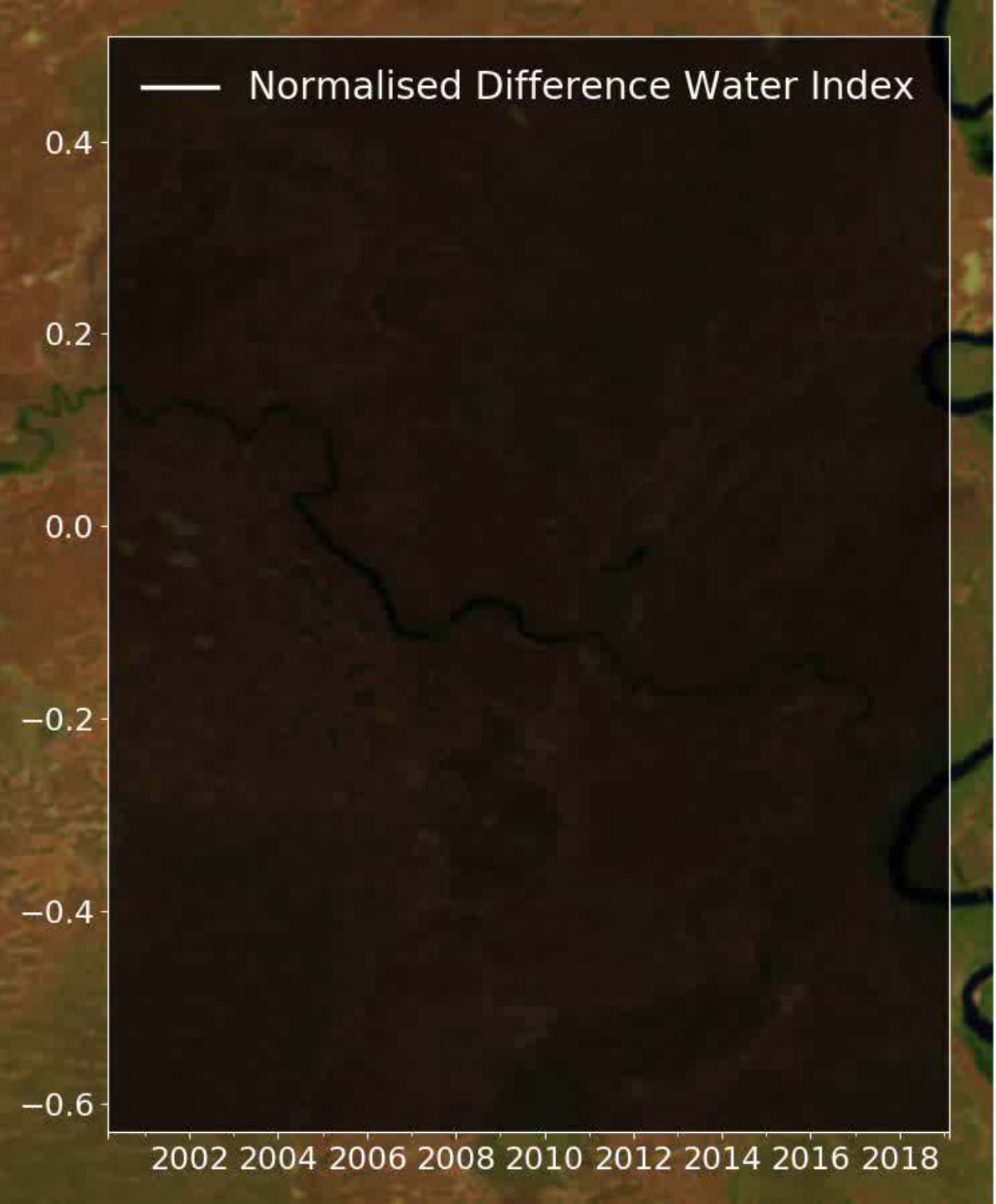


- green
- dry
- soil

1988 2000 2006 2014



7 Jan 2001

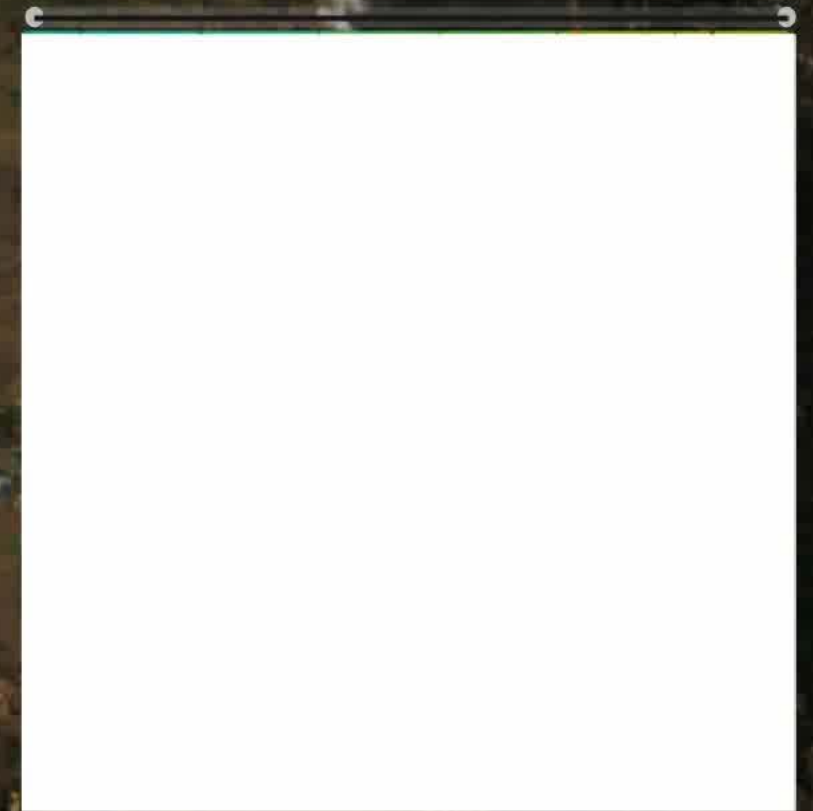


Local Scale Water Quality Monitoring: Lake Burley Griffin

1987

2001

2013



325

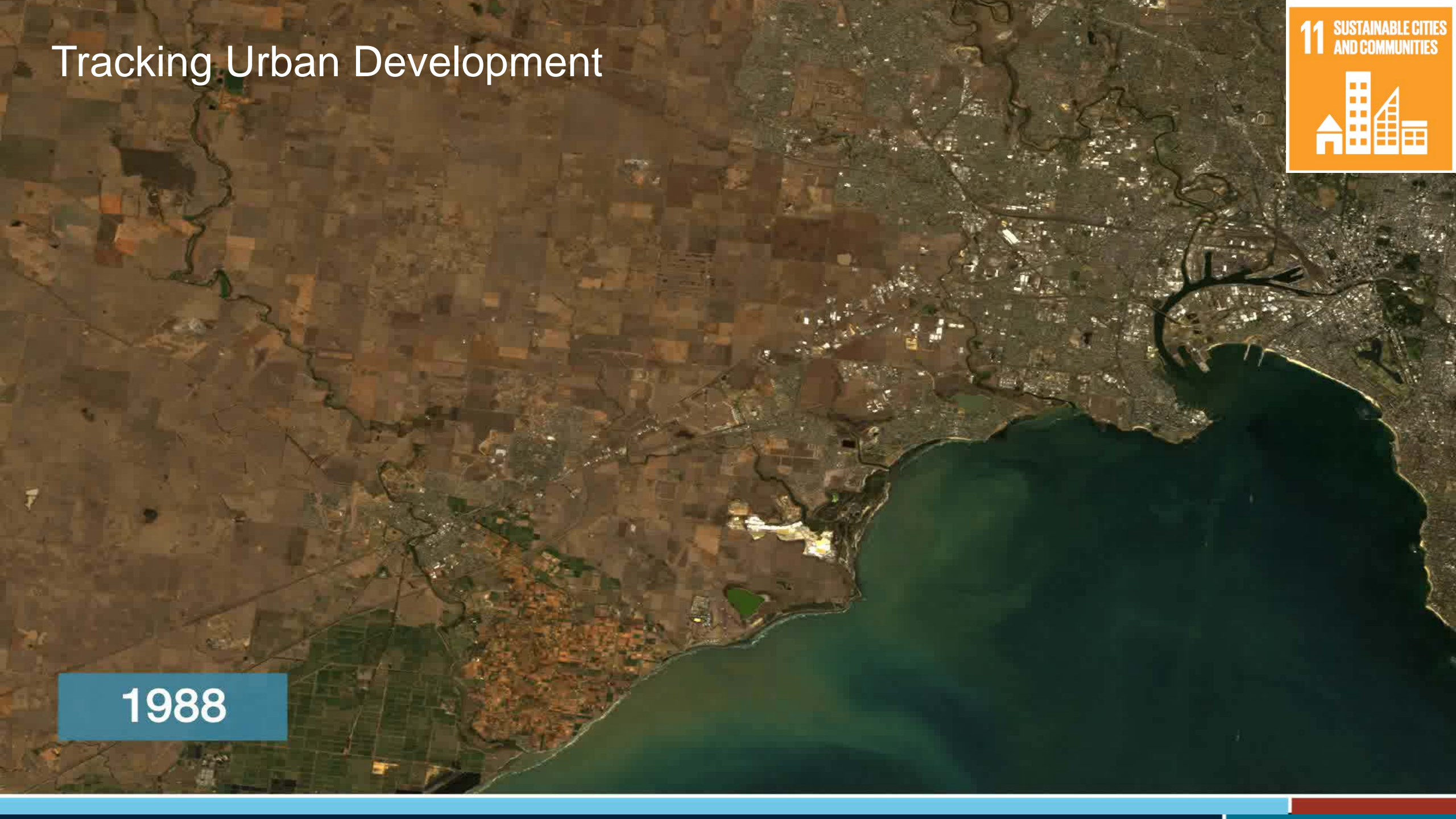
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Tracking Urban Development

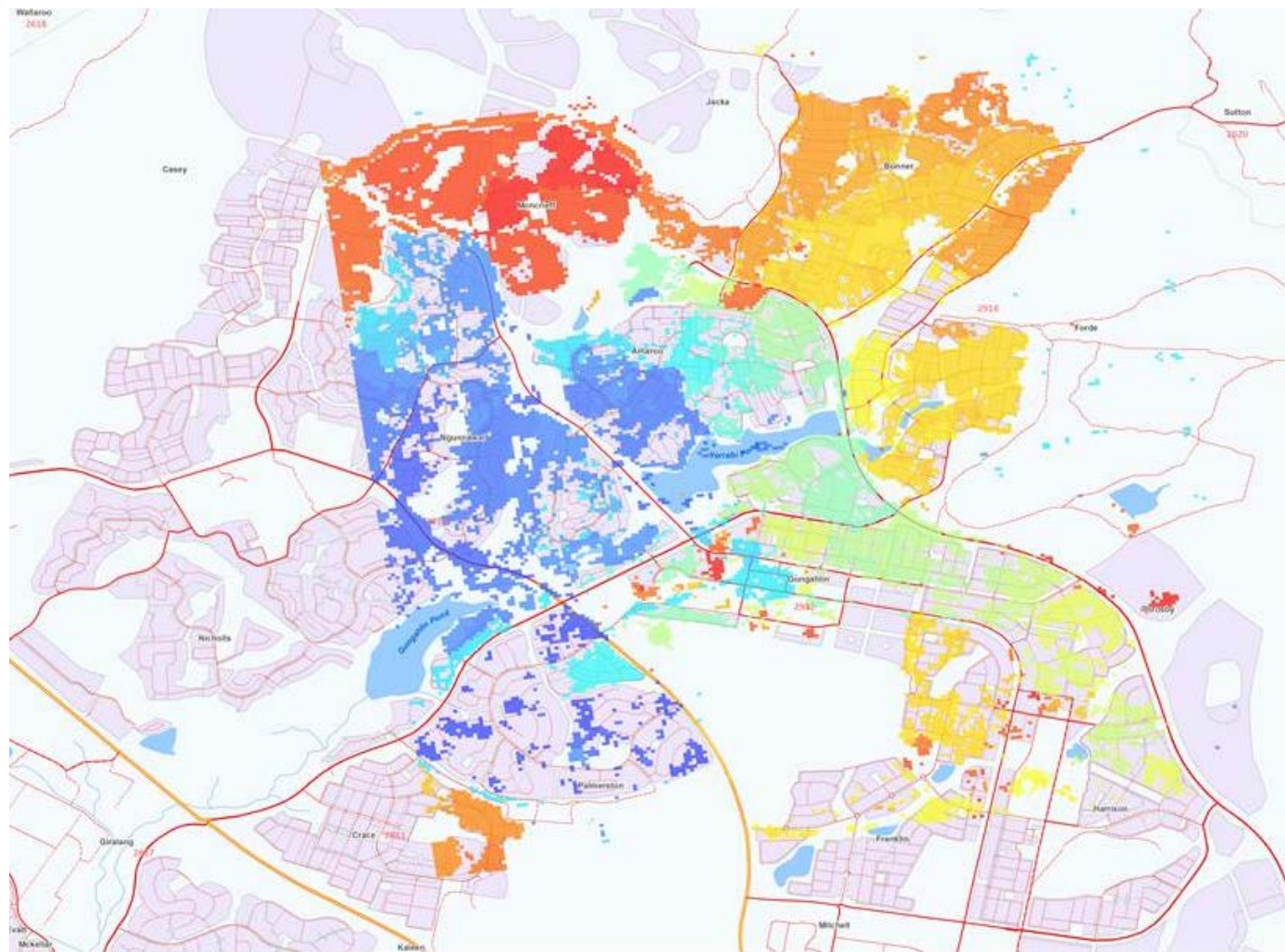


1988

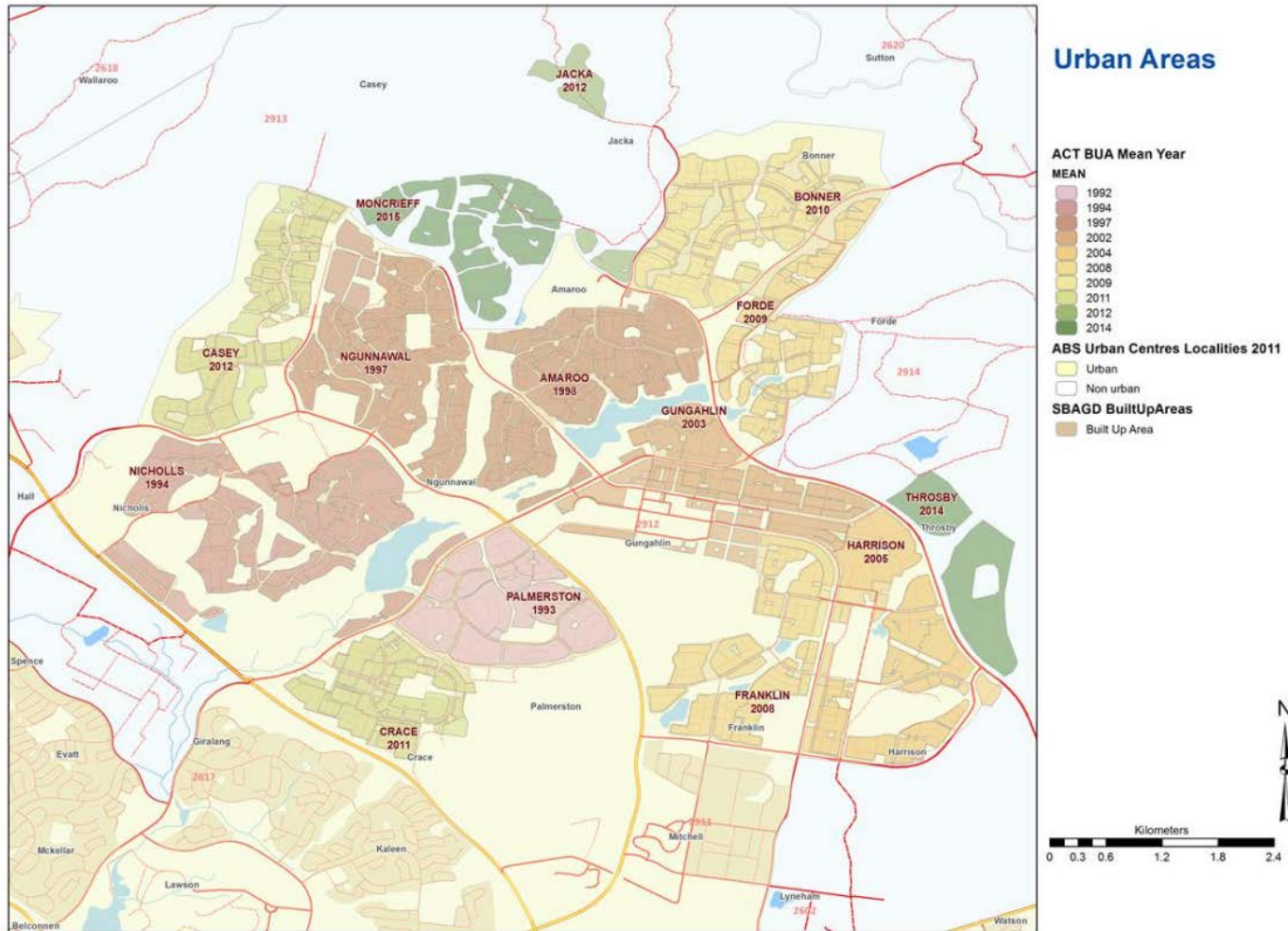




Urban Development in Northern Canberra

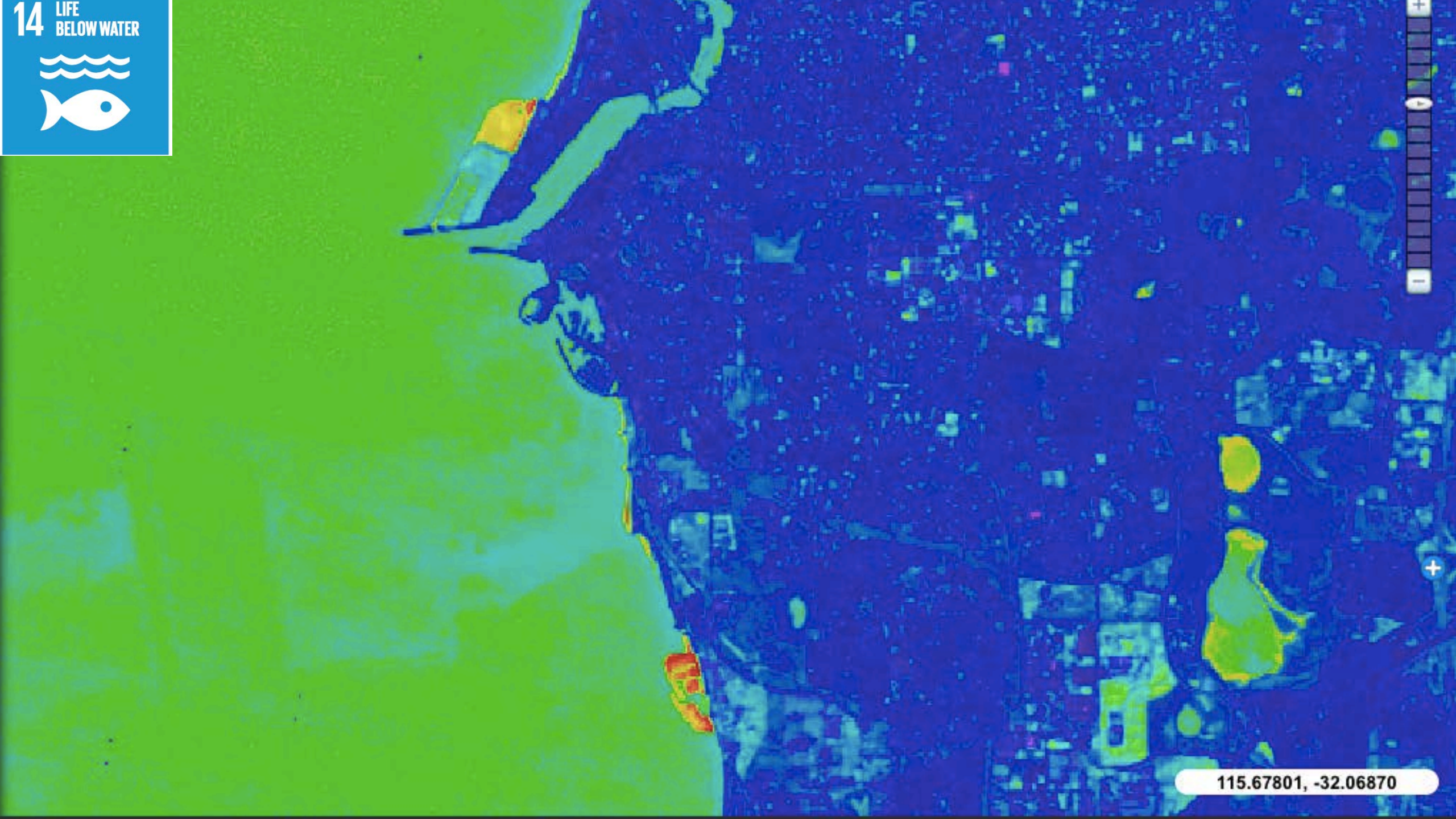


Urban Development in Northern Canberra



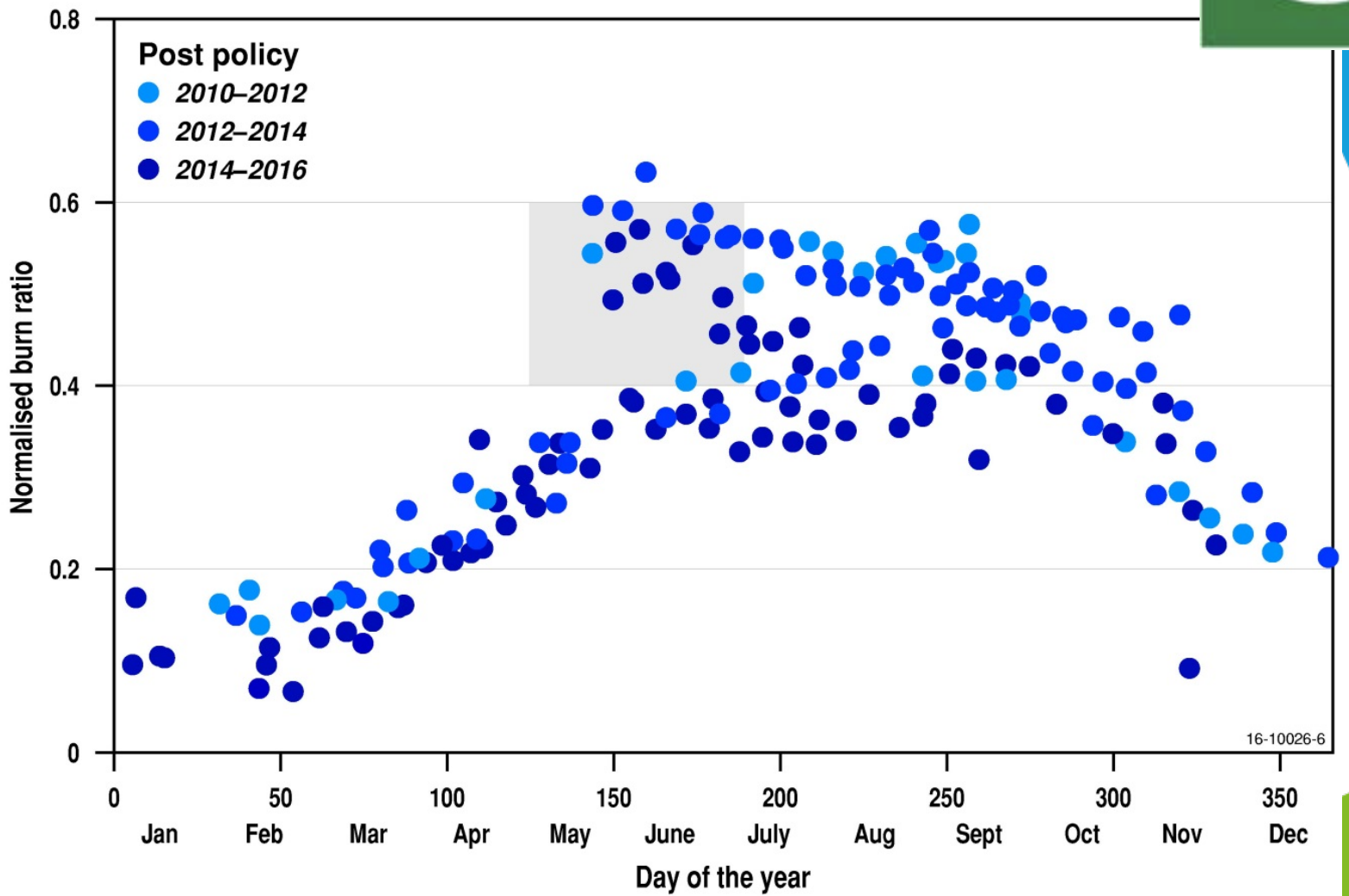


1987



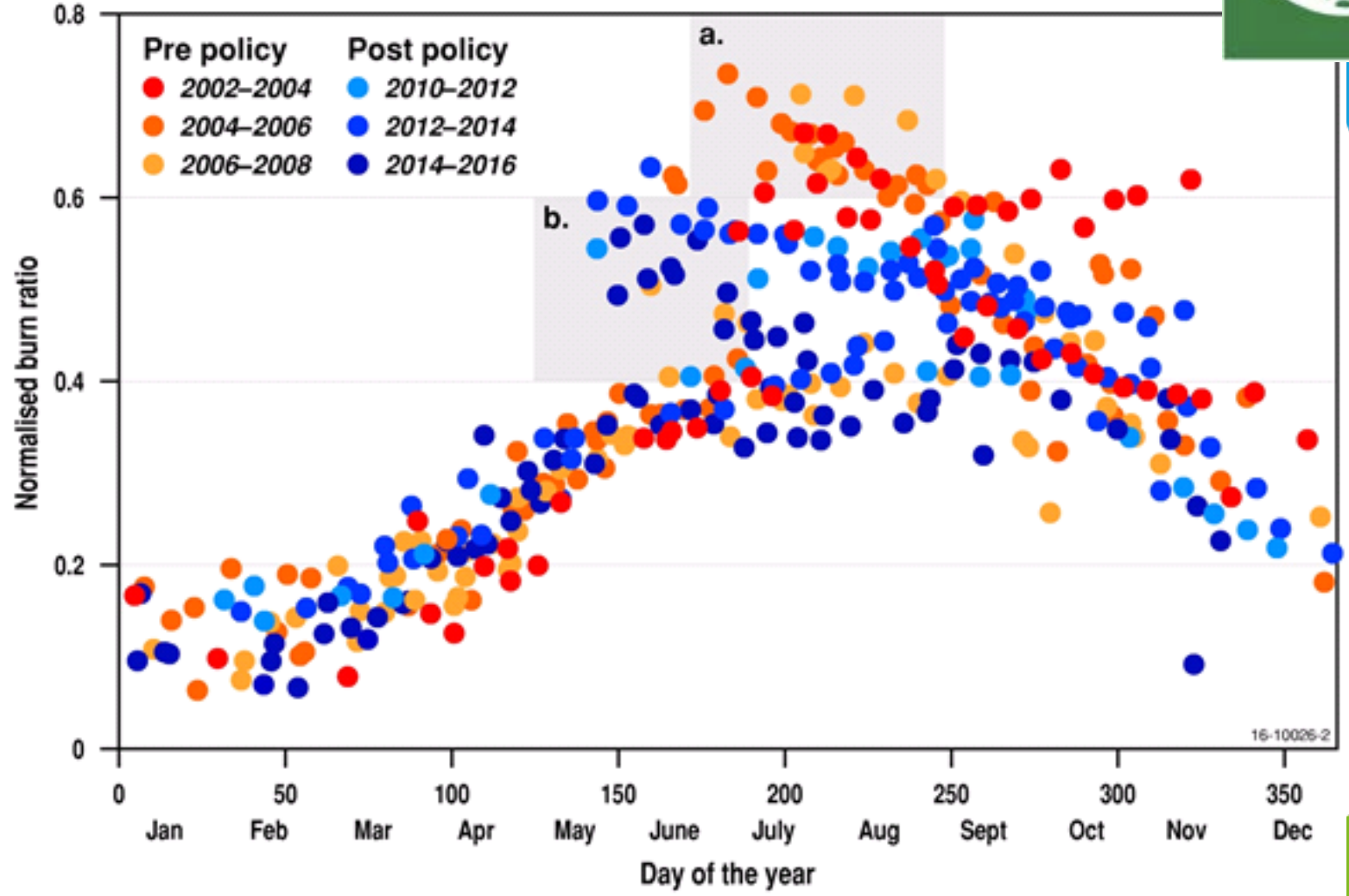
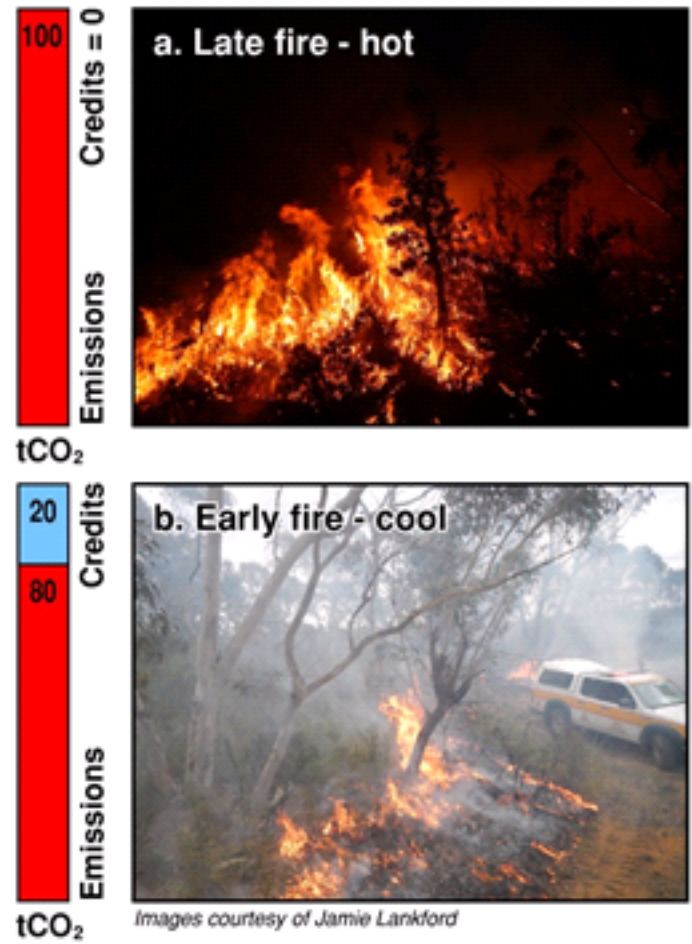


Changes in fire management practices

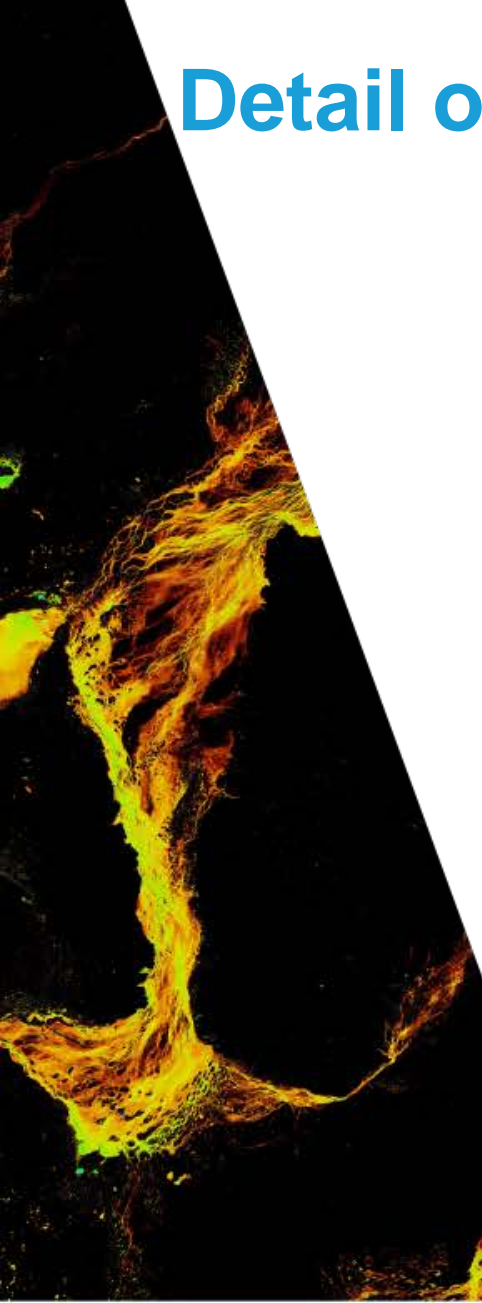




Changes in fire management practices

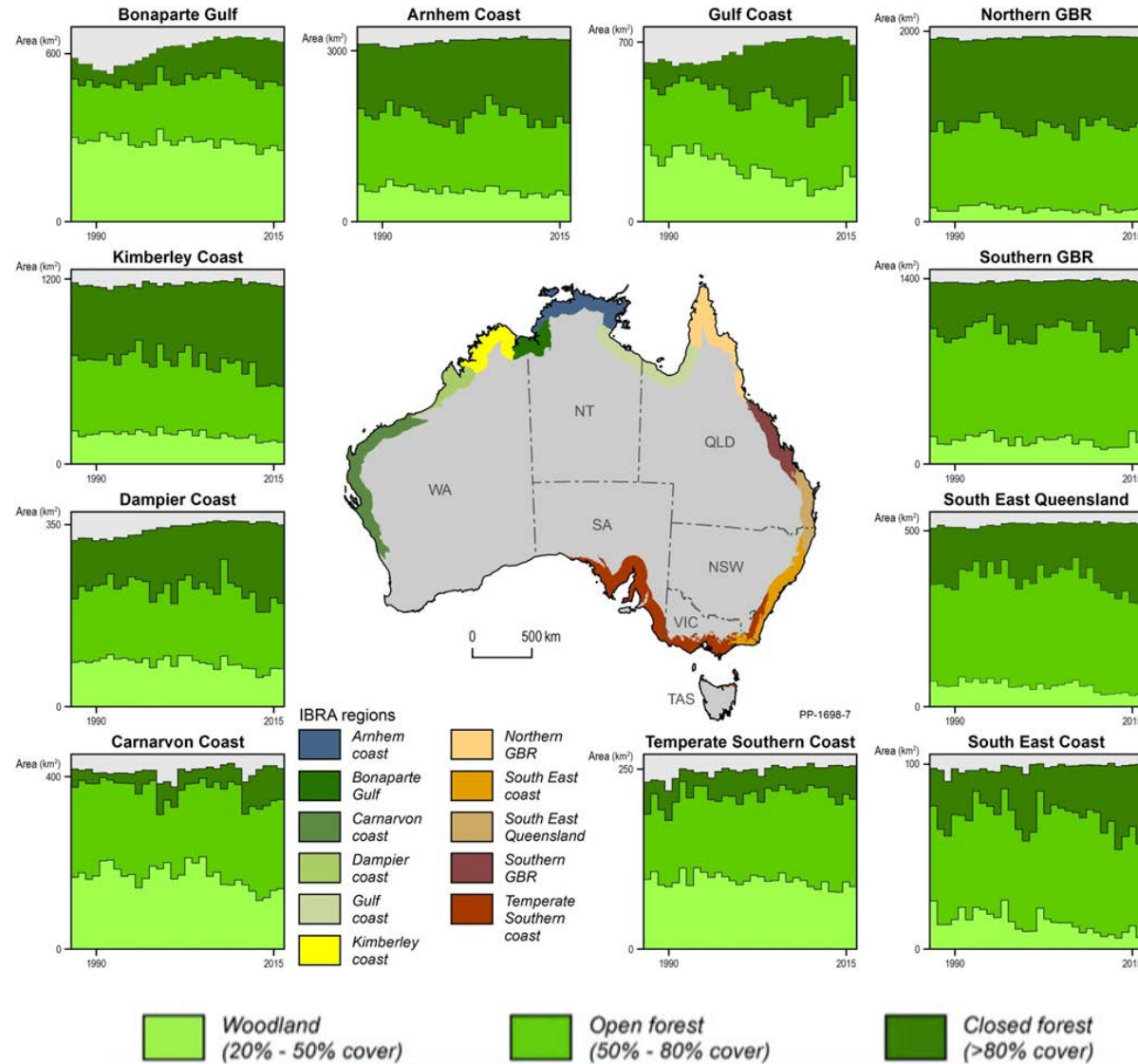
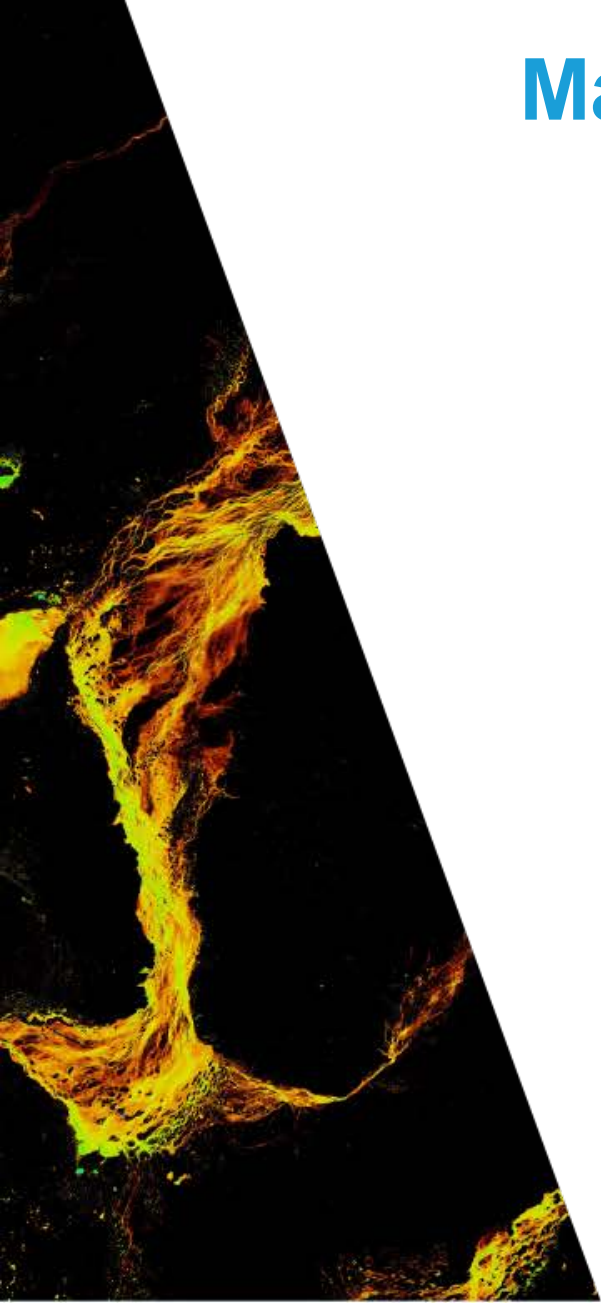


Detail of mangrove expansion at Roper River



Mangrove Changes by broad IBRA region

15 LIFE ON LAND

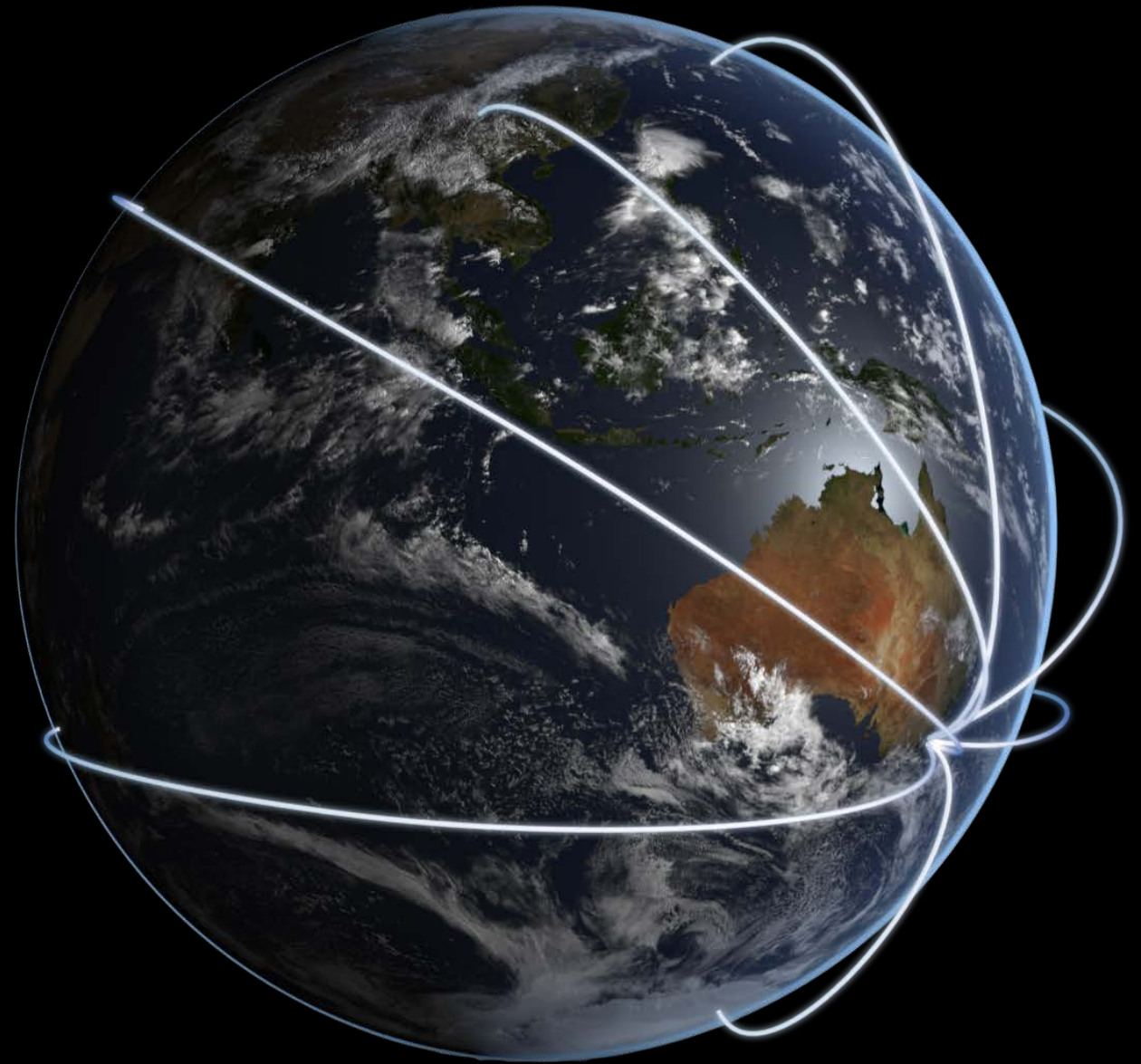




Data Cubes for:

Africa, Antarctica, China, India,
Europe, North America, ...

Connecting the EO, Spatial and Statistical
world to support global SDGs?



A Growing Network of Compatible Open DataCubes





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AUSTRALIA

www.ga.gov.au/dea

Further Information

Email: Earth.Observation@ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Questions?

