“Participation, Visualisation, Collaborative Infrastructure and Games: New approaches to user engagement with earth observation in the Australasian region”

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CSIRO
Data Integration and interoperability
Focus on the interoperability of existing data sets pertinent to natural resources management

Reporting and Visualisation Systems
Focus on the provision of a system of web-based reporting tools to suit different end-user needs

Modelling and Forecasting Systems
Focus on the implementation of automated accounting and forecasting tools linked to interoperable data sources

Sensorization and Monitoring
Focus on improving natural resource condition and trend monitoring

Data Integration and interoperability
Focus on the interoperability of existing data sets pertinent to natural resources management

Standards Infrastructure & Access
Focus on the development and promulgation of interoperability standards and inter-agency agreements for sharing data

Ability to link data and models and report results via a common web interface

Cross-jurisdictional agreements on data sharing, security and access protocols

Computational and collaboration infrastructure
Participation
Photographing a whale shark

Did you know that by photographing a whale shark you can directly contribute to a global effort to better understand and protect these amazing animals? The whale shark is listed as vulnerable to extinction in the IUCN Red List of Threatened Species. Photographs showing the distinctive patterning and scarring on whale sharks are used to uniquely identify individuals for long-term, mark-recapture analysis. Resulting population models can be used by local, regional, and international conservation and management authorities to understand the pressures on this species and to take specific action to protect them.

The most important thing to remember when attempting to photograph a whale shark is to remain at least 3 meters (10 feet) away from the shark. Touching or blocking the path of a whale shark may negatively influence its behavior and affect scientists' ability to photograph it again in the future.

The following types of photographs (or frame grabs from video), listed in order of importance, can be used to uniquely identify individual whale sharks.
Welcome to Waterwatch

Waterwatch Victoria is a successful community engagement program connecting local communities with river health and sustainable water issues and management.

Where are we?
Select a region from the map below.

Become a Waterwatcher
There are many different ways that you can volunteer your time, energy and enthusiasm with Waterwatch. There are many other ways you can spend that time too so be sure to make a wise decision before you sign up...

What's New?

Data Interpretation Manual
Waterwatch Victoria have developed a resource to help you make sense of river health data.

Ask a Scientist
FAQs and send in your scientific question.

ADVERTISING POLICY
Please note that Waterwatch Victoria does not advertise in Business Directories.
Visualisation
MODIS Pseudo RGB Images of River Flood Plumes after January-February 07 Extreme Rainfall Event based on CSIRO-ELMOW Web Based Delivery System
Collaborative Infrastructure
Integrated Marine Observing System

IMOS Integrated Marine Observing System
IMOS Ocean Portal

Layer Selector

Base Layer: World Bathymetry

- Argo Floats
- ANMN National Reference Station

Login to save this map!  Clear Layers  Reset Map

Facilities
- Argo Floats
  - Argo Floats
  - Argo Oxygen Floats
- Ships of Opportunity (SOOP)
- Deep Water Moorings (ABOS)
- Ocean Gliders (ANFOG)
- Autonomous Underwater Vehicle (AUV)
- National Moorings Network (ANMN)
- Ocean Radar (ACORN)
- Animal Tagging and Monitoring (AATAMS)
- Wireless Sensor Networks (FAIMMS)
- Satellite Remote Sensing (SRS)
- Marine Information (eMII)
Welcome to TERN

The Terrestrial Ecosystem Research Network (TERN) is a national collaboration of world-class researchers and infrastructure supporting the collection and management of scientific data which is vital to the understanding and sustainable management of the Australian ecosystems.
The Atlas is a work in progress. This website is a window into what we are doing. We are busy integrating many more data sets and solving issues around combining data from different sources. We welcome your contributions. Learn more.
Australian National Data Service

More Australian researchers reusing research data more often.

ANDS is building the Australian Research Data Commons: a cohesive collection of research resources from all research institutions, to make better use of Australia’s research outputs.

ANDS enables the transformation of:

Data that are:  to  Structured Collections that are:

Unmanaged →  Managed
Disconnected →  Connected
Invisible →  Findable
Single-use →  Reusable

...so that Australian researchers can easily publish, discover, access and use research data.
Games
Catchment detox
CSIRO Land and Water
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Thank you