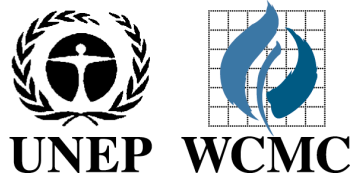


Legacy data being made available

Proteus annual meeting, Stavanger 16th June

Louisa Wood



Background

Proteus partners requested a list of internal datasets; this is in progress;

- There is a broad package of spatial data spanning many themes
 - Variable in resolution, currency, quality, sourcing

This presentation is to present an overview of the range of data and ask Proteus partners for their input on how much detail they would like to accompany datasets

At present, we are working to make around 40+ datasets available

We are currently working to:

- Compile a comprehensive list of datasets
- Make these available in a central location

These datasets relate to:

- Habitats & Ecosystems
- Species
- Socio-economic

We are working to make these datasets available in different ways

Subject to commercial restrictions, we are planning to make the datasets available:

- to view, or
- to view and to download images, or
- to view, query and download images, or
- to view, download images and download data

In addition, we may be able to produce tailored packages or analyses for specific applications using specific datasets.

Examples: Habitats and Ecosystems

- Priority River Basins (2002)
 - Qualitative classification (hi/med/low)
- Global landcover (2000)
 - From Global Land Cover Facility
 - Derived dataset: Forest distribution
 - Derived dataset: Non-forest distribution
- Warm water corals (2010)
- Mangroves (2010)
- Seagrasses (2005)

Examples: Species

- Threatened bird and mammal counts by country (2000)
- Richness of
 - Plants - species & families(2002)
 - Terrestrial vertebrate families (2002)
 - Shark families (2002)
 - Marine Turtle species nesting sites (2002)
 - Amphibian species (1999)
 - Freshwater fish families (2002)

Examples: socio-economics

- Human population density (2002)
- Livestock species count by country (2002)
- Protected Areas (2010)
- Roads

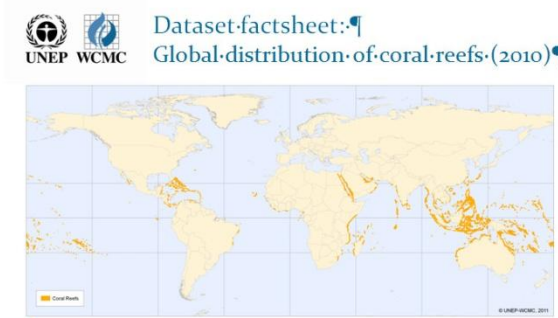
Example factsheet

How much information is enough?

- Basic list
- Detailed list
- Factsheets
- Guidance on use

What kind of access?

- View online
- Query online
- Download images
- Download data



Dataset factsheet: Global distribution of coral reefs (2010)

The value of coral reefs - economic and ecological

Healthy coral reefs are among the most biologically diverse and economically valuable ecosystems on earth. They provide valuable and vital ecosystem services such as food, coastal protection, and employment through fishing, recreation and tourism. They are a source of new medicines, provide habitat, spawning and nursery grounds for economically important fish species, and are hotspots of marine biodiversity.

Coral ecosystems face serious threats through the impact of climate change, unsustainable fishing, and land-based pollution. Together, these and other threats are decimating corals faster than they can adapt for survival. The decline and loss of coral reefs have significant social, cultural, economic, and ecological impacts on people and communities around the world. With effective leadership and management, healthy, resilient reef ecosystems can continue to provide these valuable services to current and future generations.

Coral reef data

This dataset contains coral reefs in warm shallow waters in tropical and subtropical regions; cold water corals are not included. It is the most comprehensive global dataset of warm water coral reefs, acting as a baseline global coral reef map that can be a foundation for future more detailed investigations. Corals identified through remote sensing make up 80% of the dataset, the other 20% comes from other sources. It is also the most high resolution global coral reef dataset to date, with the majority (80%) of the data...

To reduce risk to fragile ecosystems exploration technologies in the ocean environment require the best available data showing the distribution of marine habitats, with fit-for-purpose coral reef data being an important factor in informed decision-making. High spatial and temporal resolution coral reef data are critical for marine spatial planning and development of marine protected areas, enabling better decision-making across sectors, reducing risk, whilst maximising profit, health, well-being and success. Use of this coral reef dataset alongside oil rig data can highlight instances where oil exploration infrastructure have acted as artificial reefs and helped to add to the global area of coral reefs, enabling the private sector to give back to the marine environment.