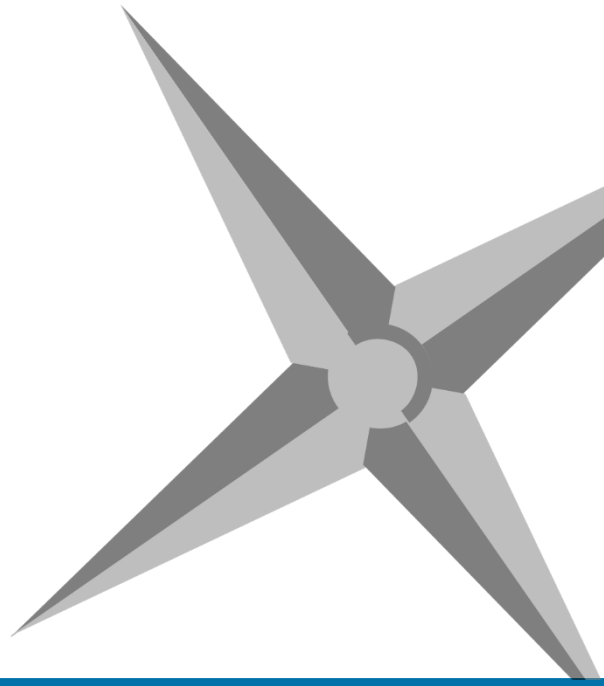
Proteus: putting biodiversity data in the hands of corporate decision makers

15 September 2015

UNEP WCMC

In this presentation…

- A brief introduction to UNEP-WCMC
- Proteus: putting biodiversity data in the hands of corporate decision makers
- Proteus supported data and tools
- Applications for biodiversity data by Proteus companies



United Nations Environment Programme – World Conservation Monitoring Centre

World Conservation Monitoring Centre (WCMC)

- UK charity, based in Cambridge
- Created by IUCN in 1979
- 1988 – Became independent organisation with 3 partners: IUCN, WWF and UNEP
- 2000 – Collaboration with UNEP

United Nations Environment Programme (UNEP)

- World's foremost intergovernmental environmental organisation
- Established by UN General Assembly in 1972
- Headquartered in Nairobi, Kenya

UNEP-WCMC

- UNEP's specialist biodiversity assessment arm
- Currently employs 120 staff across range of biodiversity disciplines

UNEP-WCMC

Our Vision:

- A world where decision makers in all sectors and at all levels recognise and take full account of the values of biodiversity as the bedrock of a global green economy and human well-being

Our Mission:

- To provide authoritative information about biodiversity and ecosystem services in a manner that is useful to decision-makers who are driving change in environment and development policy

Our Strategic Objectives

1. Provide the data and information that supports decision-making
2. Strengthen capacity for biodiversity decision-making

What is Proteus?

Aim:

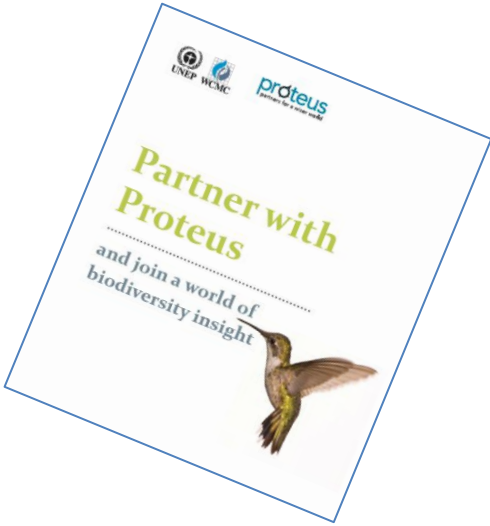
- To make global information on biodiversity more available

Mechanism:

- development and dissemination of global data and tools
- sharing of contextual information on the latest trends and developments in biodiversity and ecosystem policy and initiatives

Why?

- Lack of reliable and accessible data remains one of the biggest barriers to informed decision-making and implementation of biodiversity policy



proteus

A unique mechanism to improve biodiversity data, and business decisions

- Launched in 2003
- 5 founding extractives industry members
- 2015: 15 extractives industry members
- 2 previous phases: 2003–2007, 2008–2012
- Current phase: Proteus 2013–2015

Knowledge Products

World Database on Protected Areas (WDPA) and Protected Planet

www.protectedplanet.net

Integrated Biodiversity Assessment Tool (IBAT)

www.ibatforbusiness.org

Coastal and Marine Data / Ocean Data Viewer

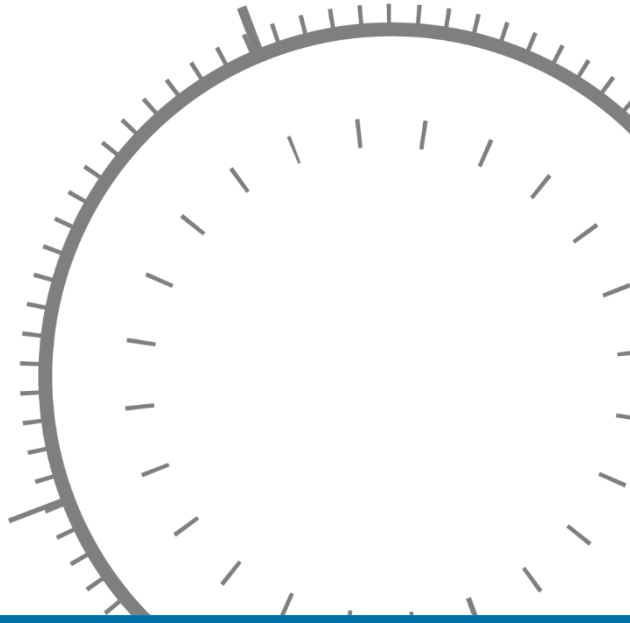
http://data.unep-wcmc.org

Resources for business

www.biodiversitya-z.org

proteus

The World Database on Protected Areas and ProtectedPlanet.net



Governments

International

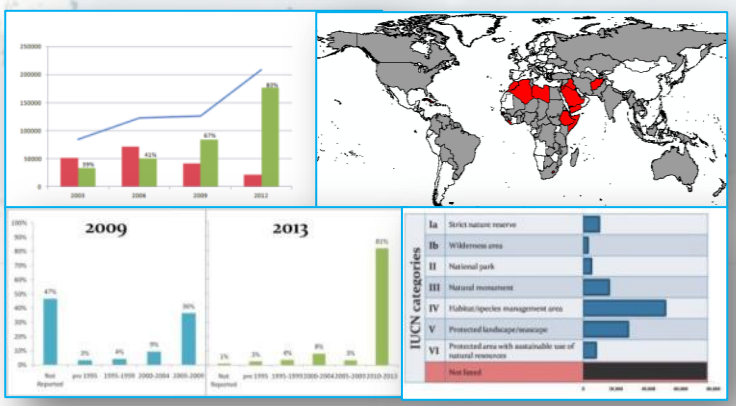
Regional

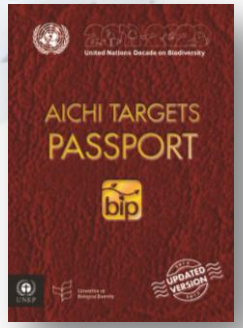
NGOs and Others

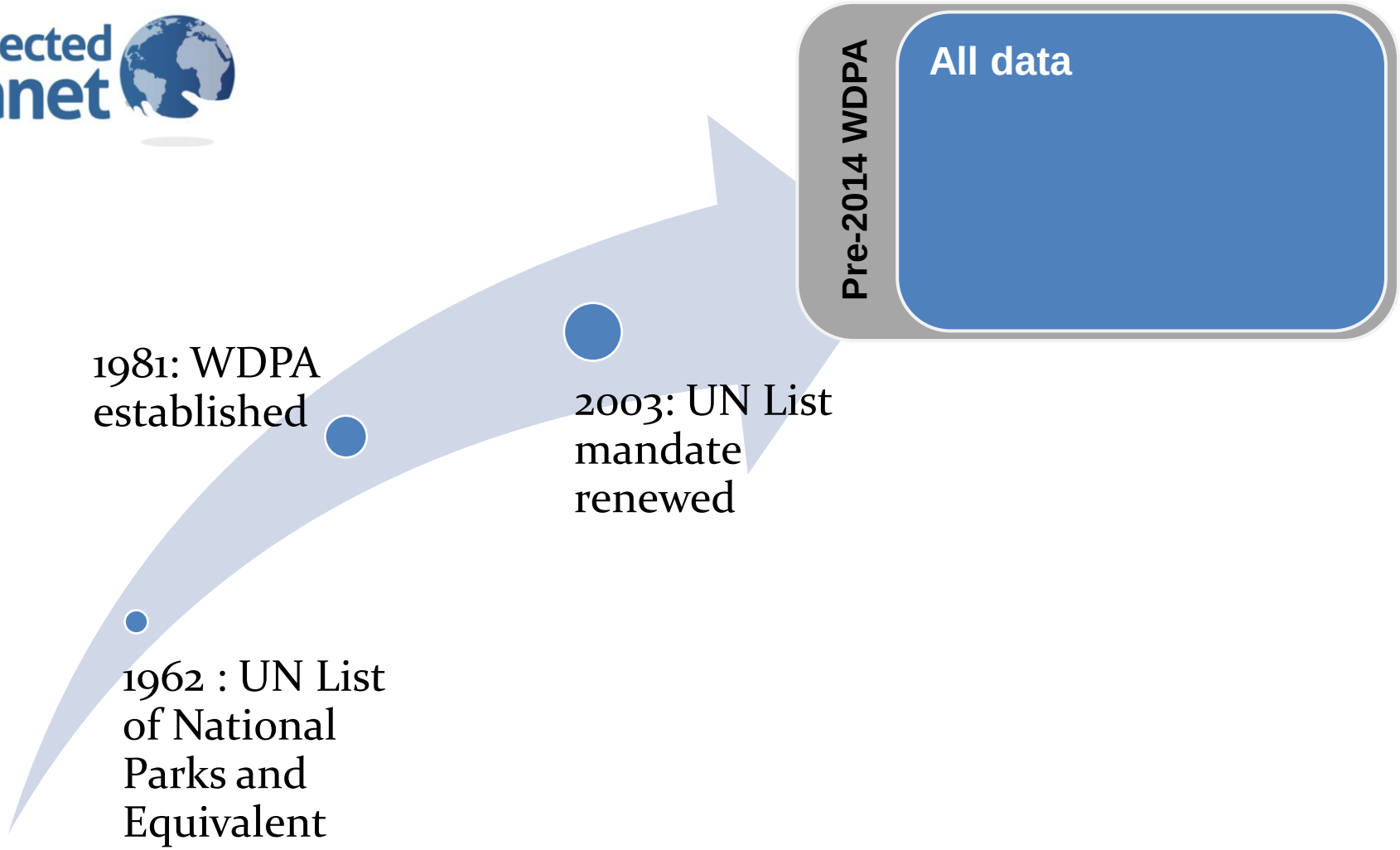
>206,000 sites

15% land area; 3% marine area

WDPA

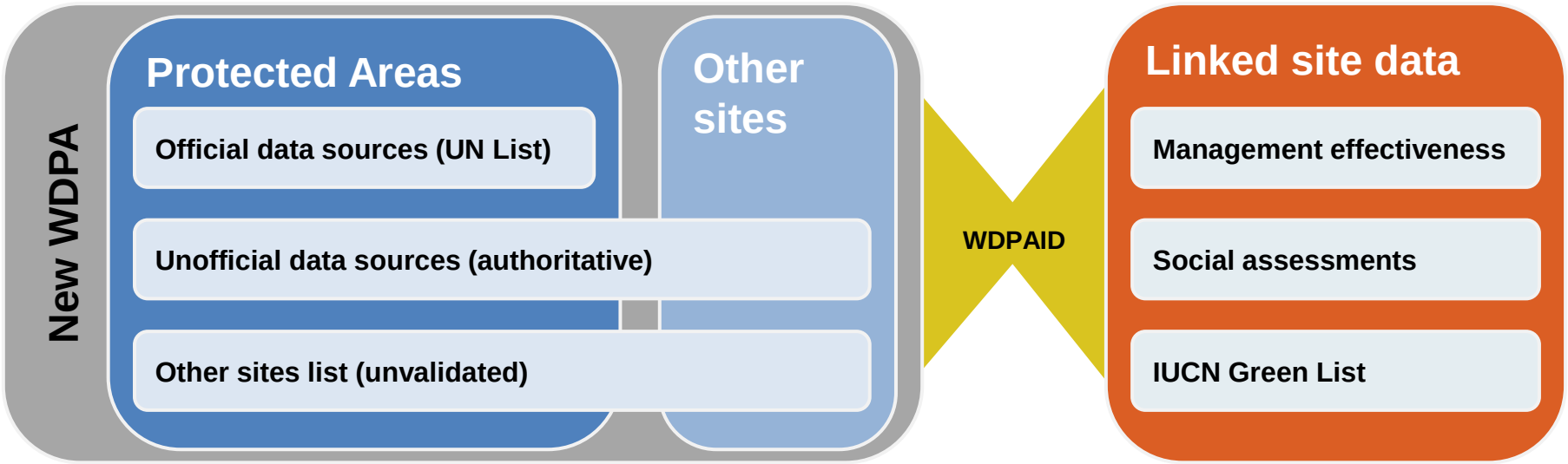




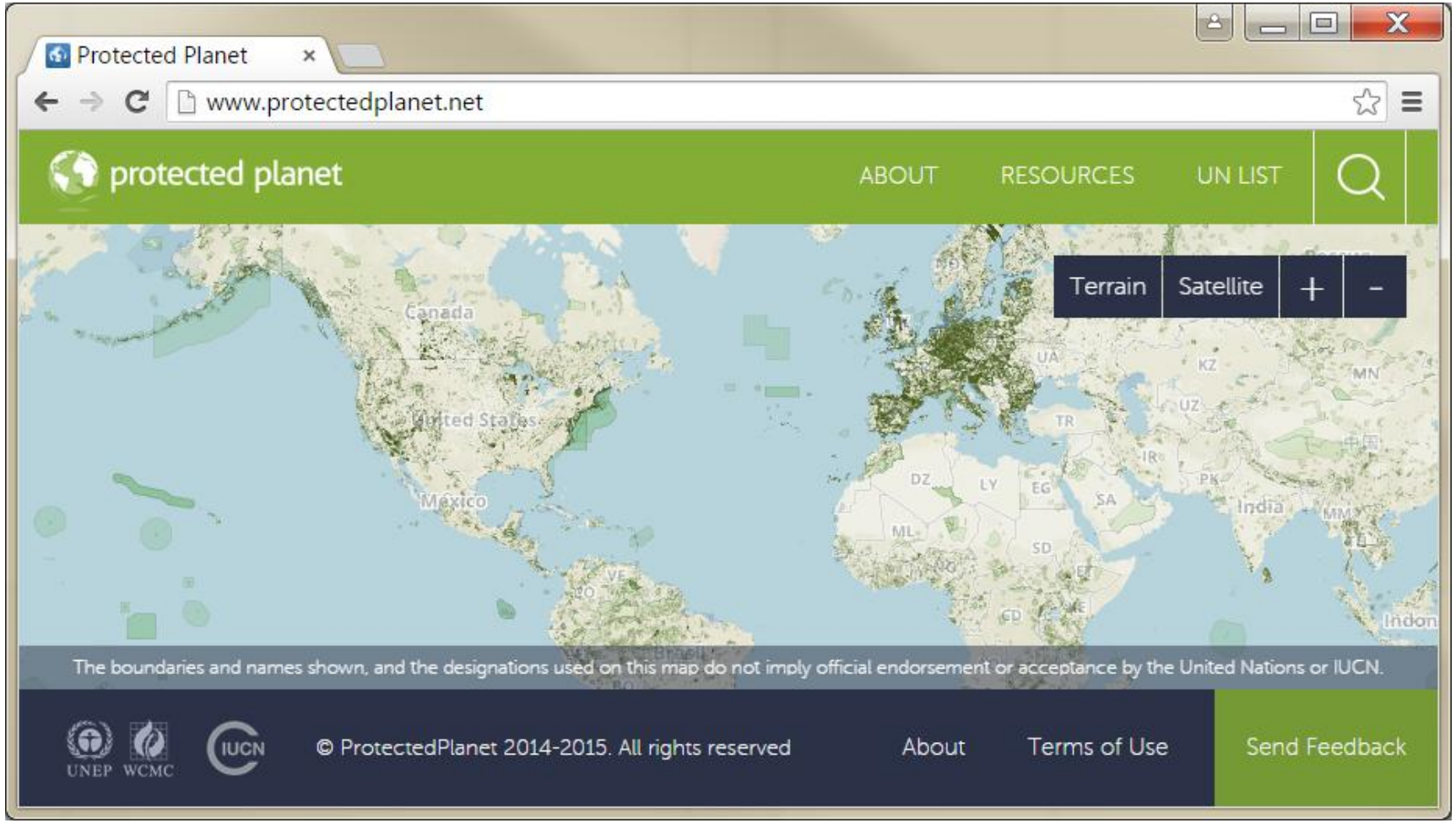

Pre-2014 WDPA
All data
1962 : UN List of National Parks and Equivalent Reserves
1981: WDPA established
2003: UN List mandate renewed

Protected Planet

Now…



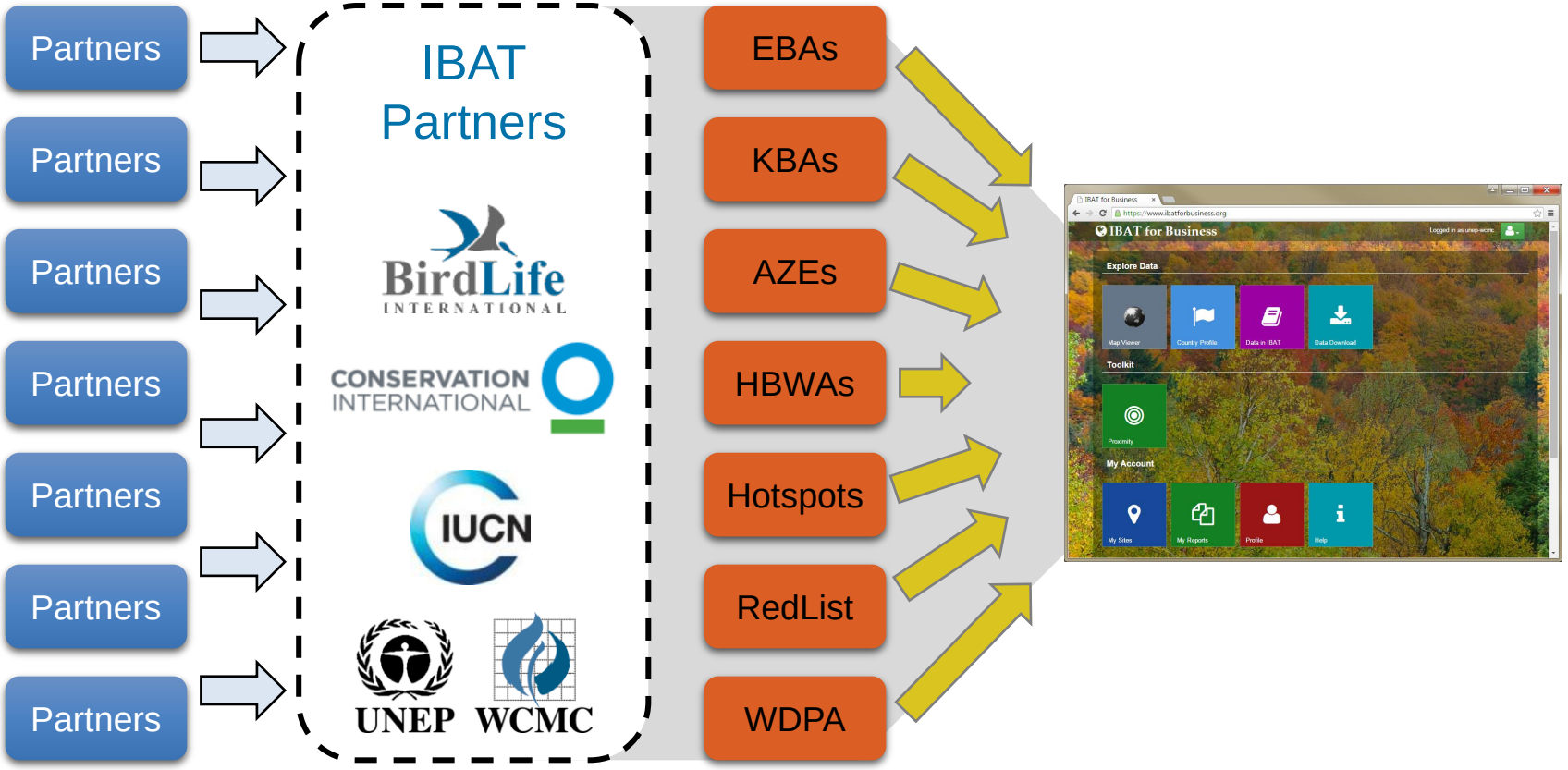
protectedplanet.net



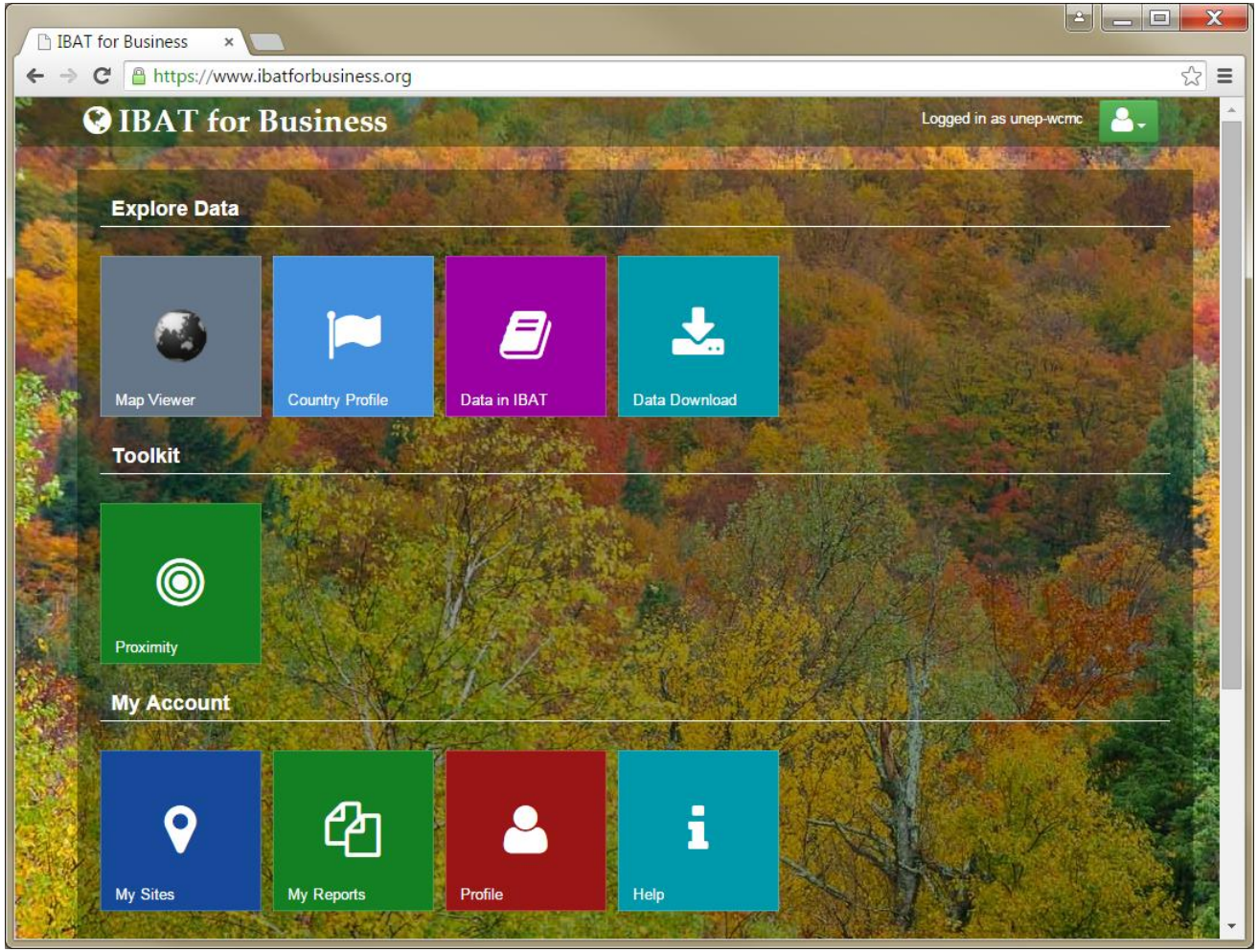
www.protectedplanet.net

Integrated Biodiversity Assessment Tool (IBAT)

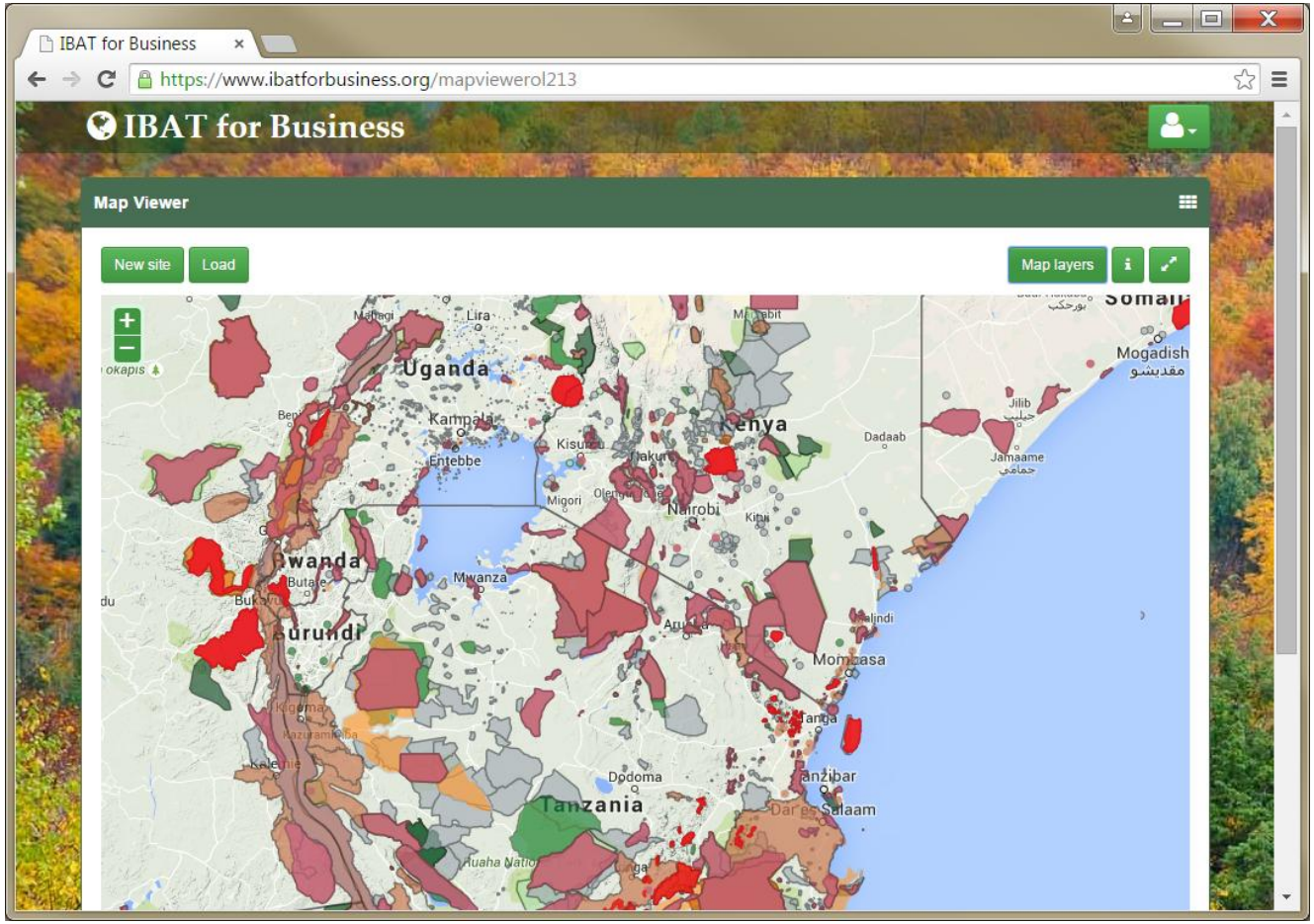
The IBAT Partners collate data from thousands of data providers into global datasets



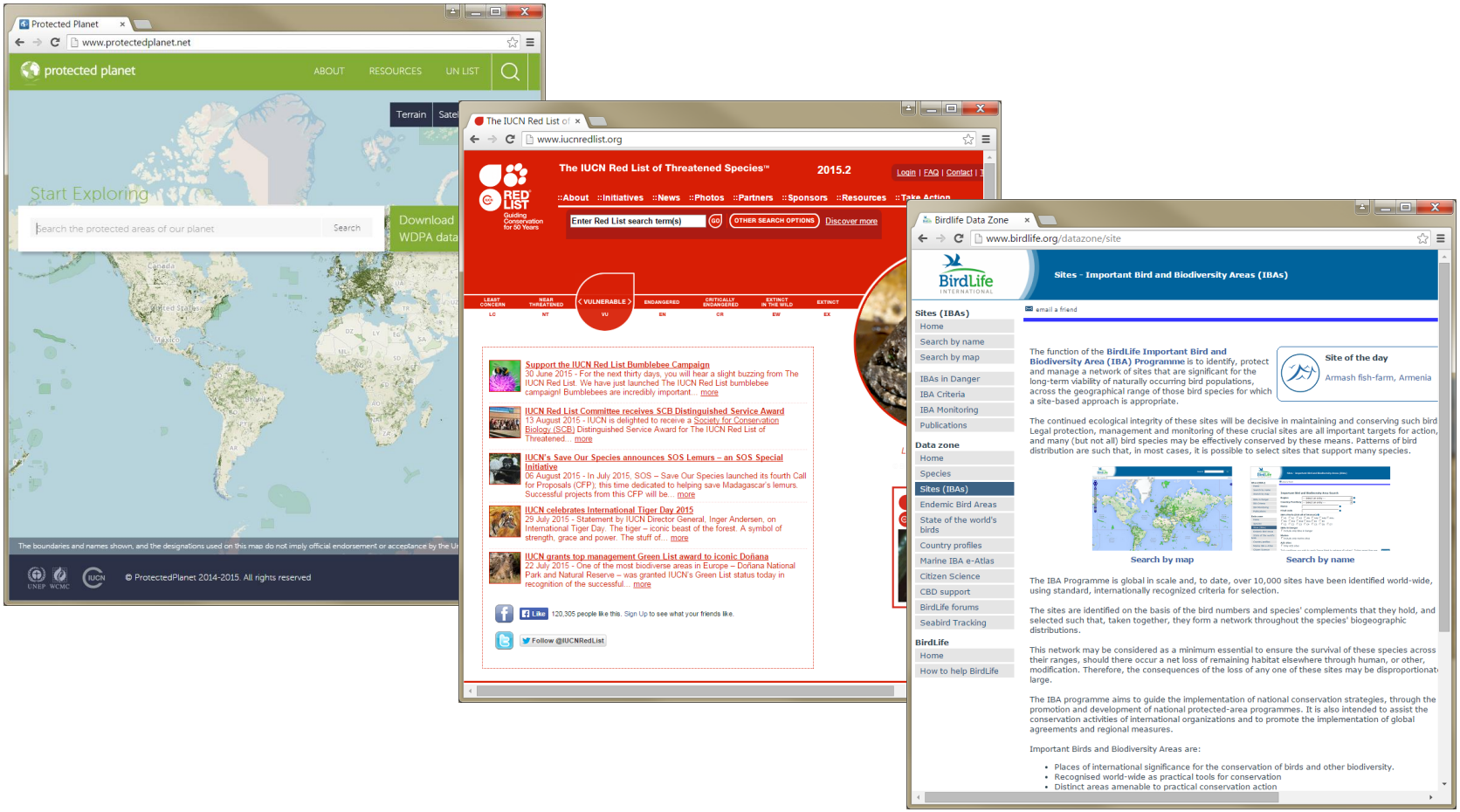
IBAT allows users to view, query and download data, and to run reports



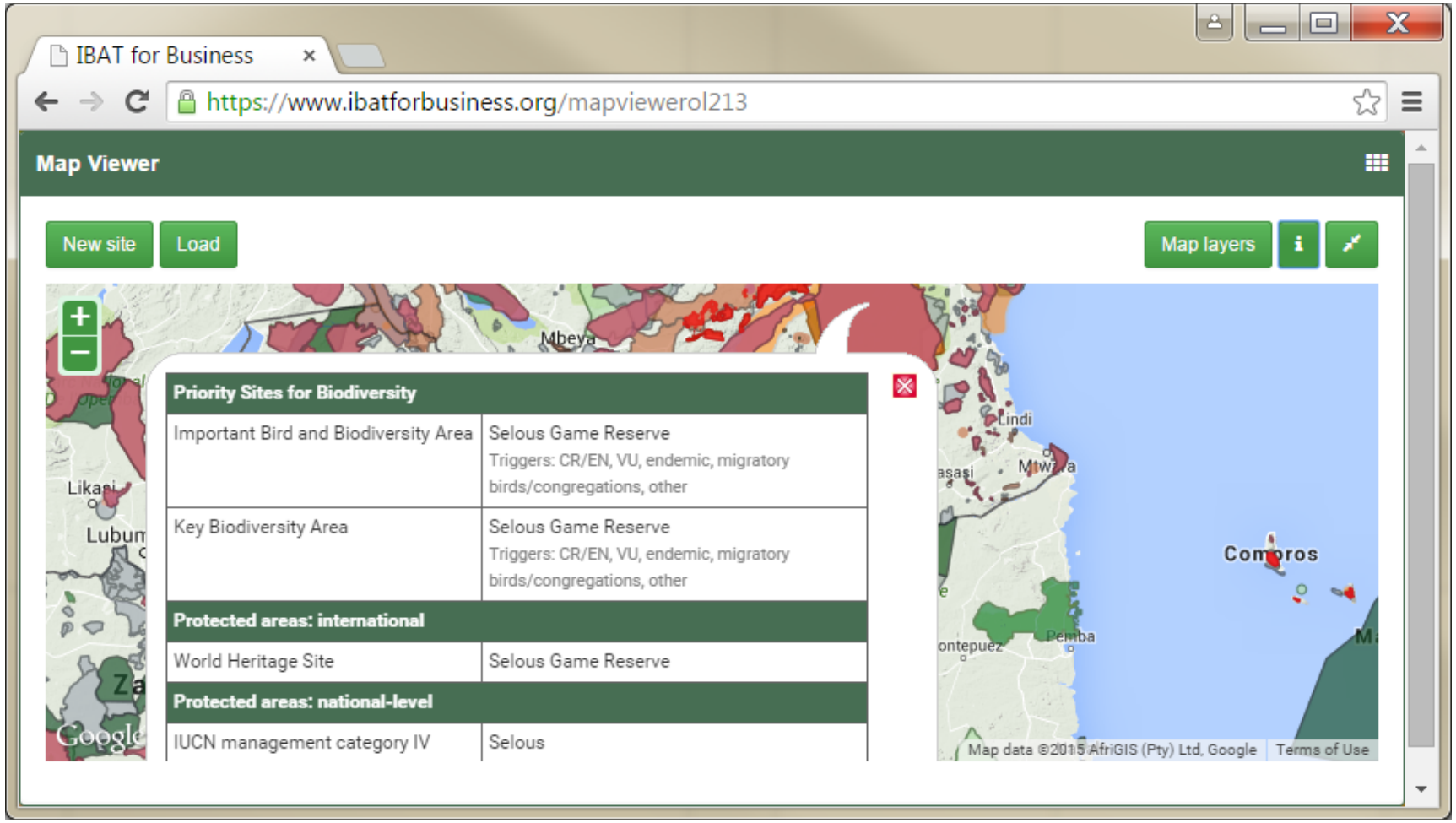
The tool lets you visualise many different types of data in one portal…



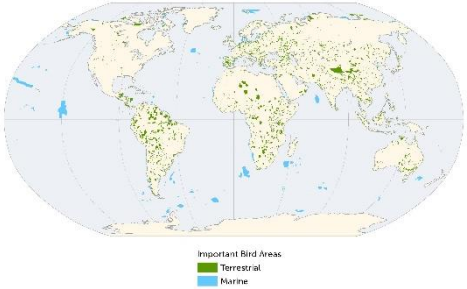
...and then go through to the authority source for the data

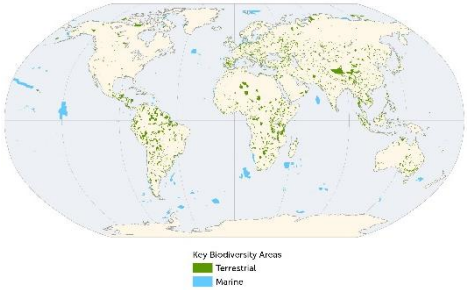


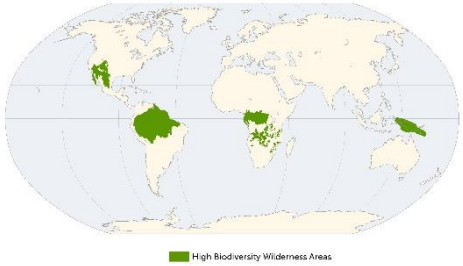
ibat FOR BUSINESS
Integrated Biodiversity Assessment Tool

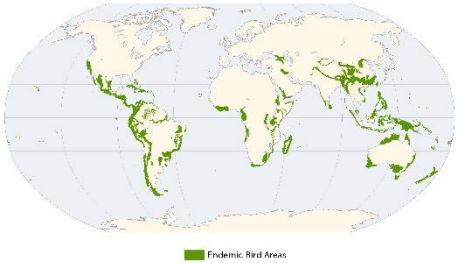


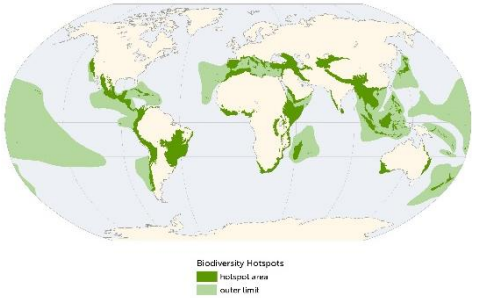
www.ibatforbusiness.org

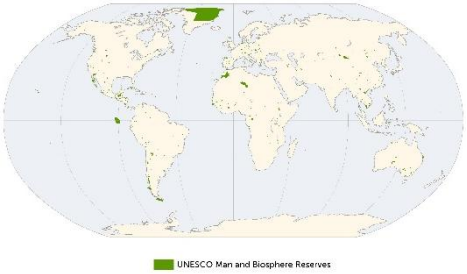


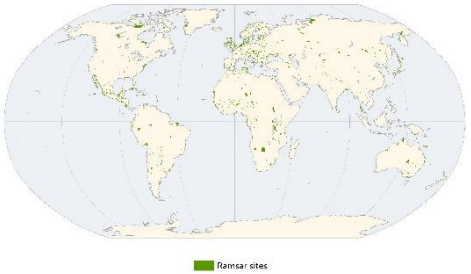


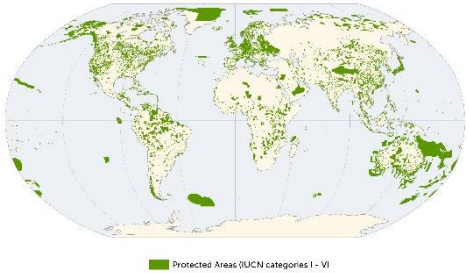


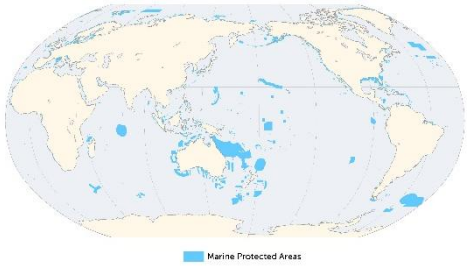


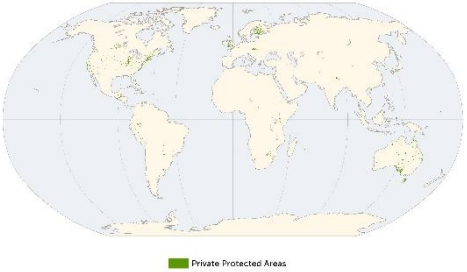


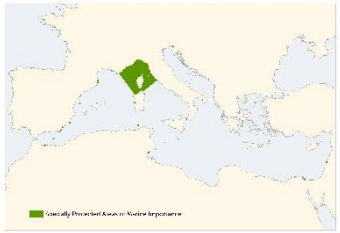








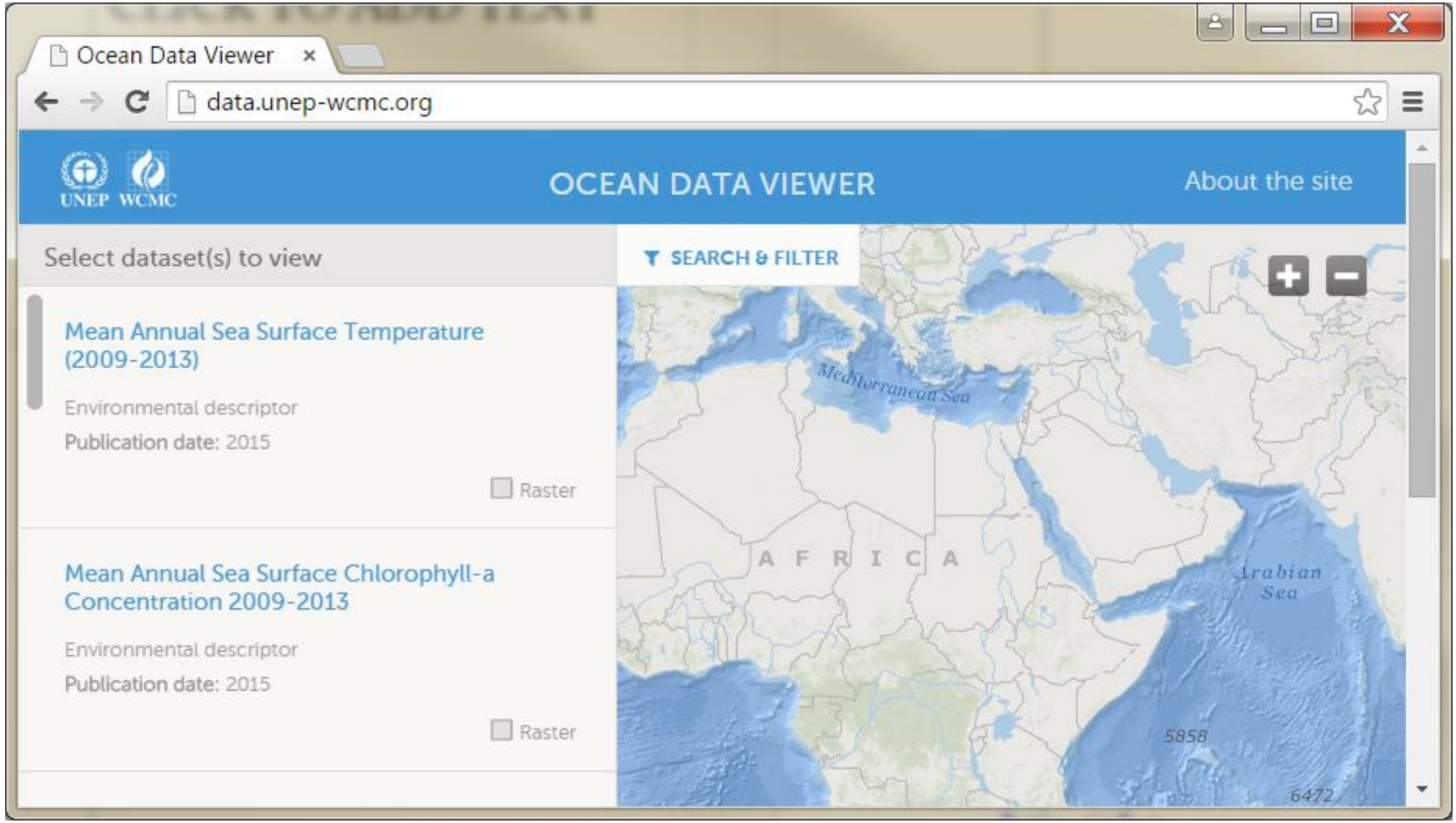




Site and **Regional** scale data designated at **International** **Regional** and **National** levels

Coastal and Marine Data and the Ocean Data Viewer

Ocean Data Viewer



http://data.unep-wcmc.org

Ocean Data Viewer

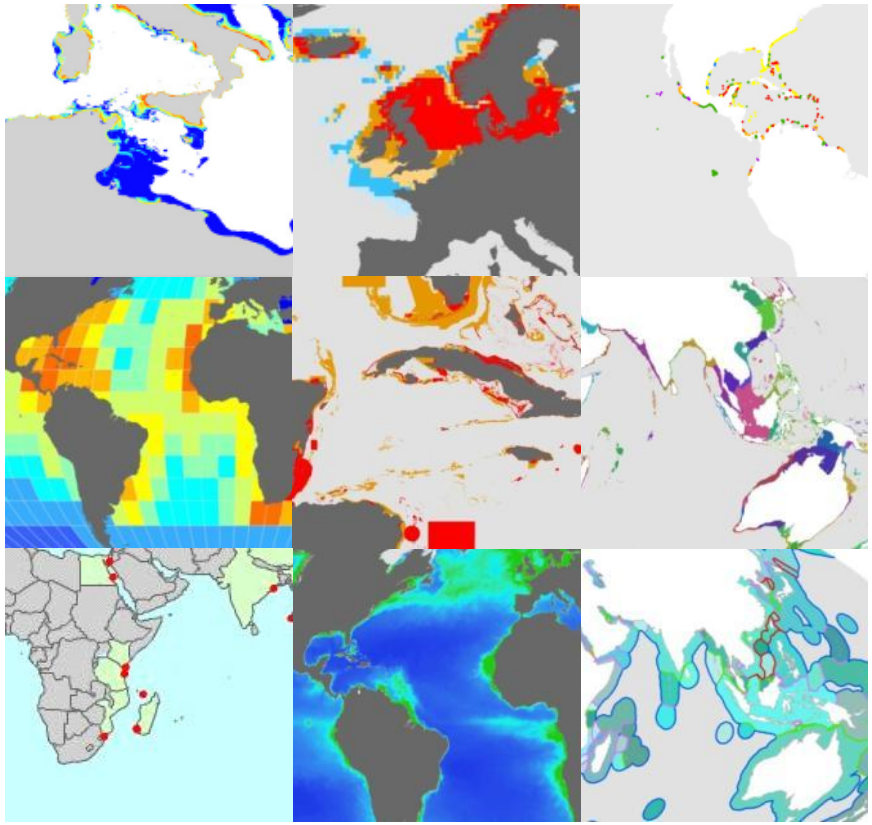
Portal to view and access wide range of datasets important for the conservation of marine and coastal biodiversity

- Over 30 spatial datasets
- Datasets linked to relevant global conventions
- UNEP-WCMC actively working to improve accuracy and currency of global marine and coastal ecosystem datasets

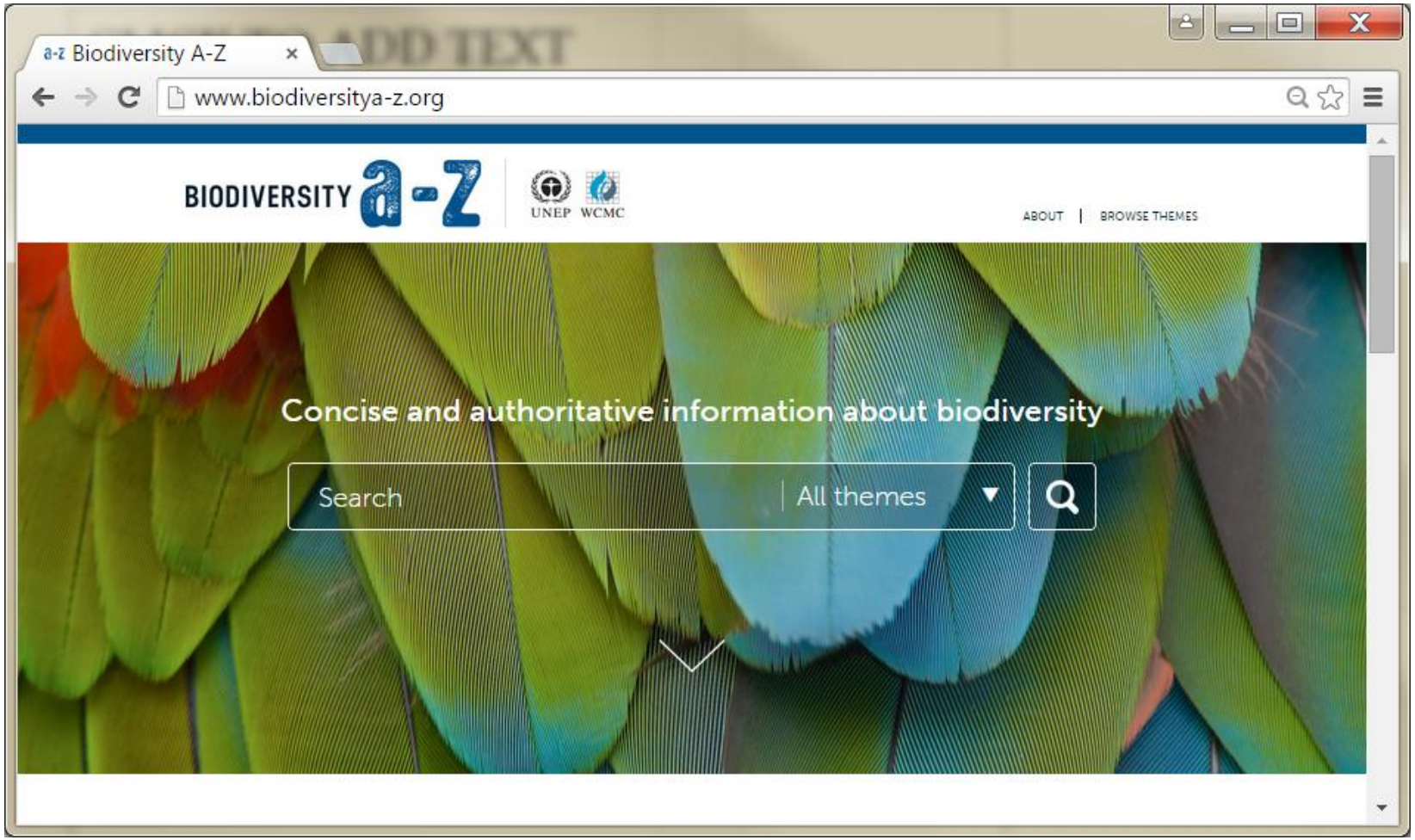
Global and regional-scale datasets

Nine Categories

- Biogenic habitat
- Species distribution
- Species habitat
- Biodiversity metric
- Area of biodiversity importance
- Biogeographic classification
- Ecological status and impact
- Environment descriptor
- Administration



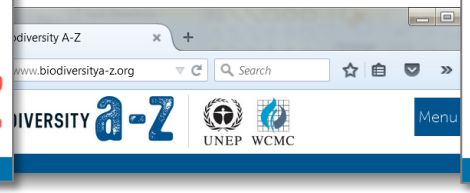
Biodiversity A-Z


a-z Biodiversity A-Z
www.biodiversitya-z.org
BIODIVERSITY a-Z
UNEP WCMC
ABOUT | BROWSE THEMES
Concise and authoritative information about biodiversity
Search
All themes

Acronyms A-Z

- Frequent comment from Partners: there are too many acronyms in conservation(!)
- Over 200 acronyms explained
- Links within the A-Z to relevant articles
- Also links externally, for example to the relevant organisation

BIODIVERSITY a-Z



Areas Important for Biodiversity A-Z

Online glossary of over 30 different designations of areas important for biodiversity

- Criteria for designation
- Biodiversity and socio-cultural values
- Management practices for protecting different areas
- Business relevance, including legal and compliance aspects

BIODIVERSITY a-Z

Browse by theme:

ACRONYMS

AREAS

MARINE

TERMS

Biodiversity Terms A-Z

- Review of Standards and Certification Schemes for the CBD
  - Key finding: Importance of **standardised language** and terminology
- Industry feedback
- Support the understanding of technical documents about biodiversity
- All terms are referenced

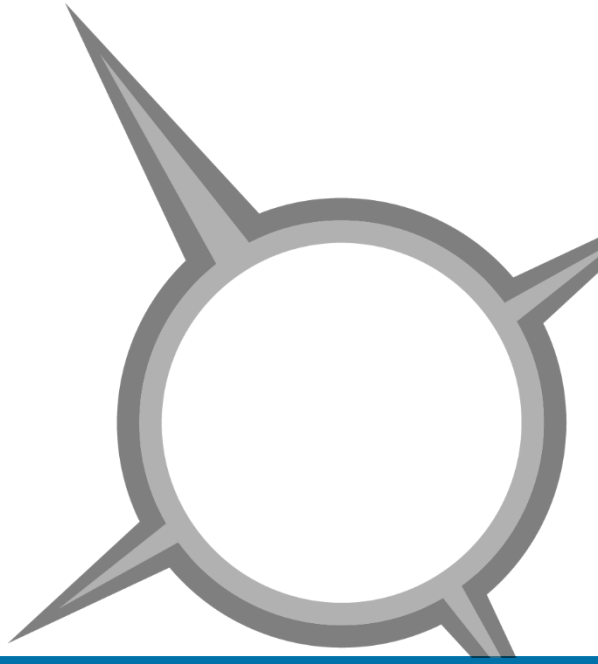
BIODIVERSITY a-Z

Marine A-Z

- Links to Ocean Data Viewer
- Supports use of marine and coastal datasets
- Factsheets to support understanding of the importance of Marine habitats
- Brings together all articles on the A-Z which have a marine theme

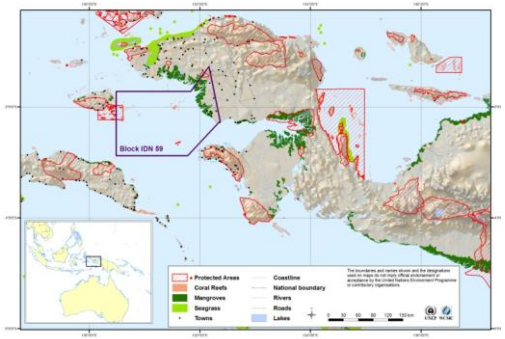
BIODIVERSITY a-Z

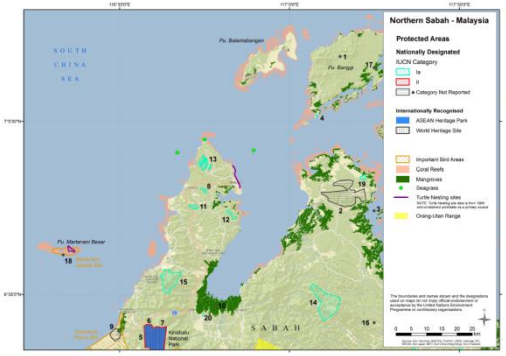
Data use

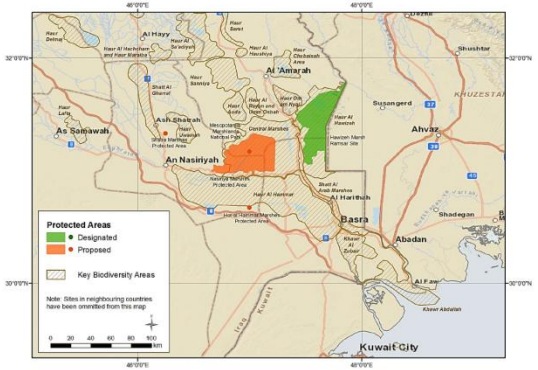


Data and resource use in business decisions

- Portfolio analysis and reporting on global footprint
- Screening potential investments and new projects and new country access
- Project-level risk assessment and site selection
- Regulatory compliance for habitat and species protection
- Compliance with performance standards
- Early warning and emergency response
- Environmental Impact Assessments (EIAs)
- Biodiversity action planning
- Biodiversity offsetting
- Development of biodiversity management strategy
- Critical Habitat mapping

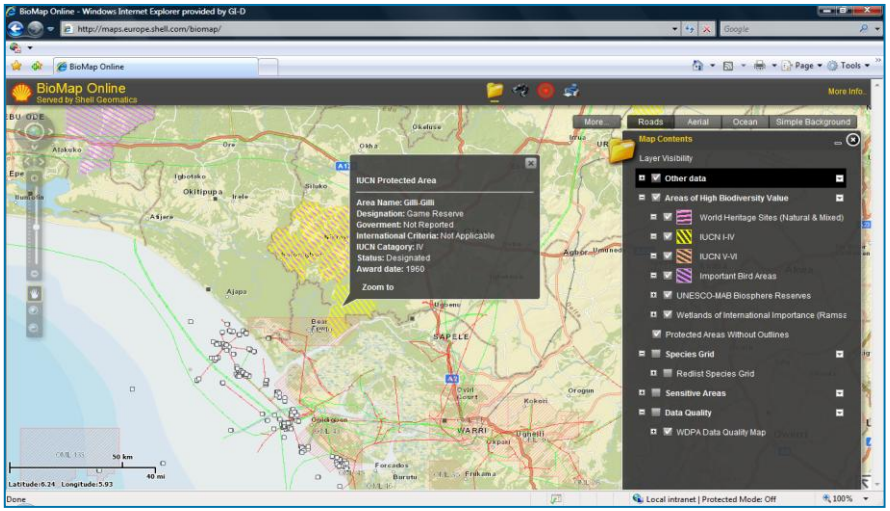


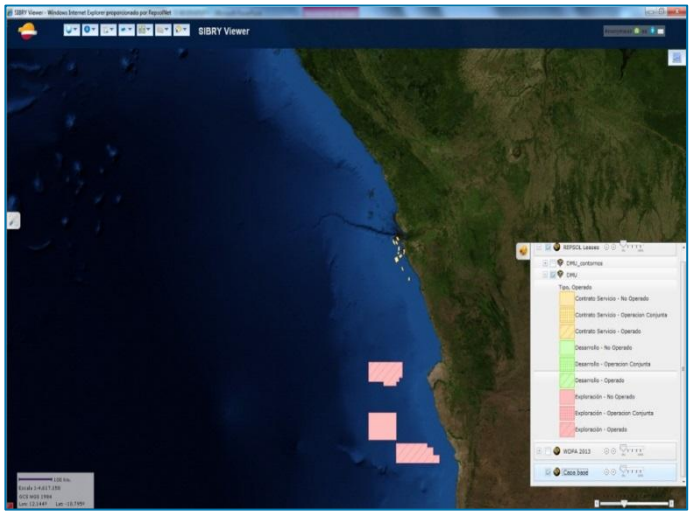


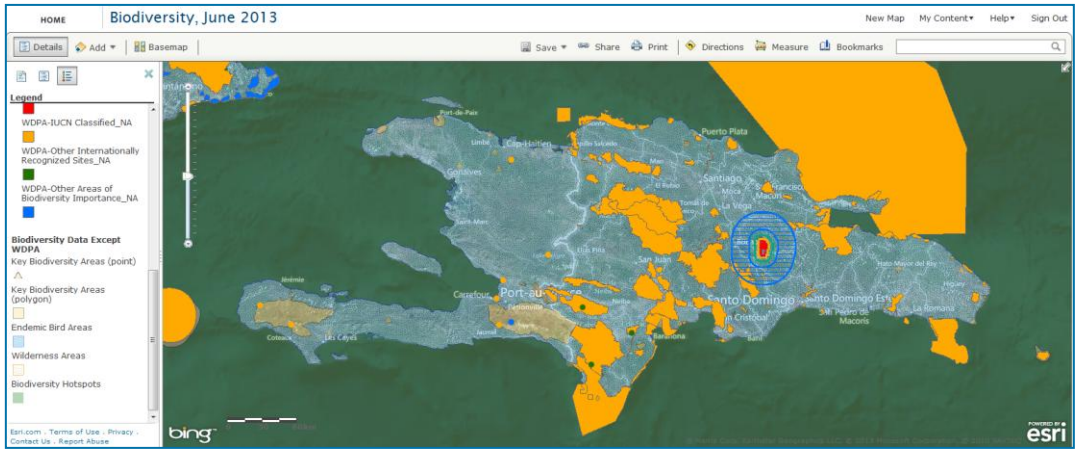


proteus

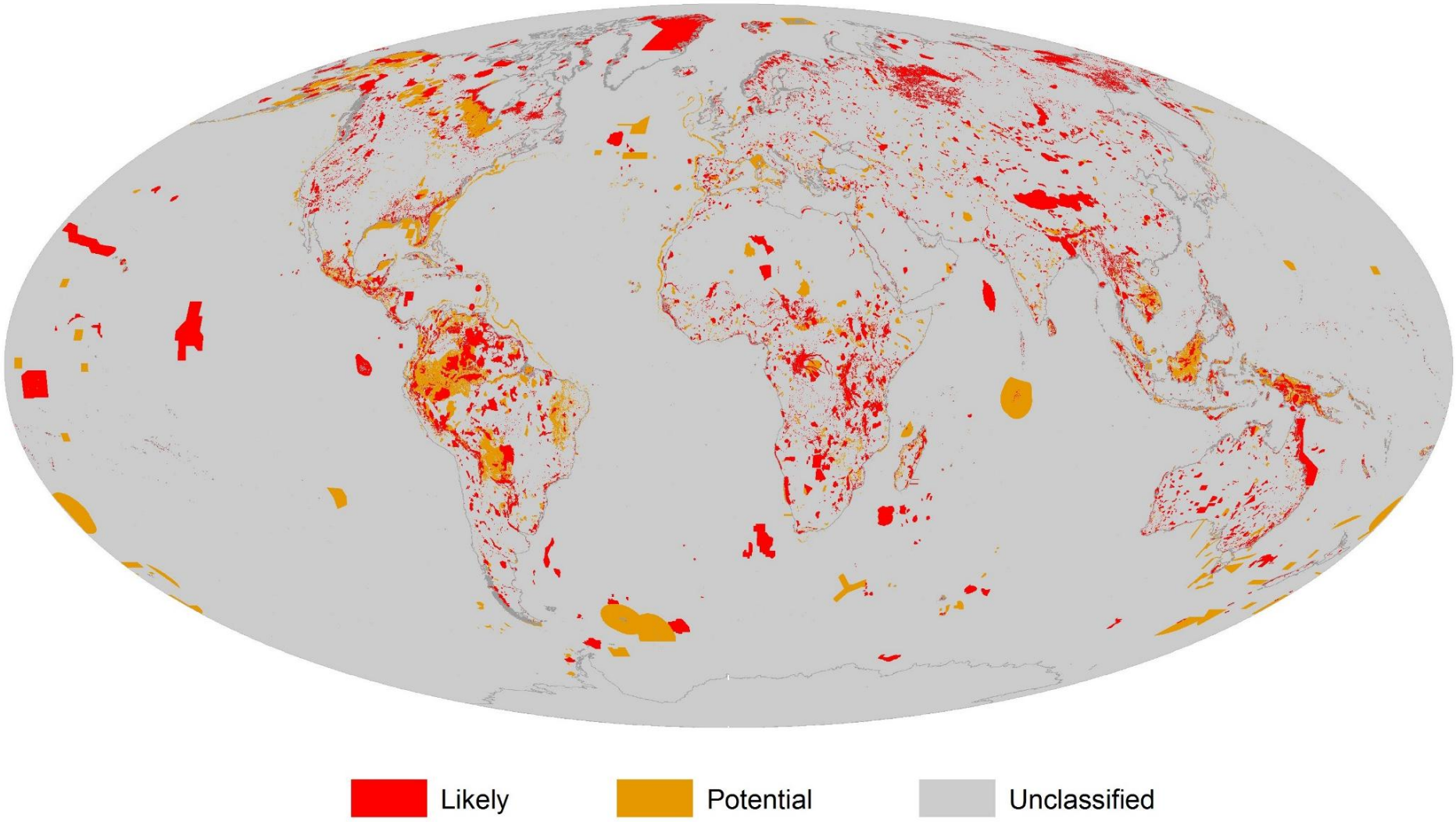
Internal data platforms and mapping tools

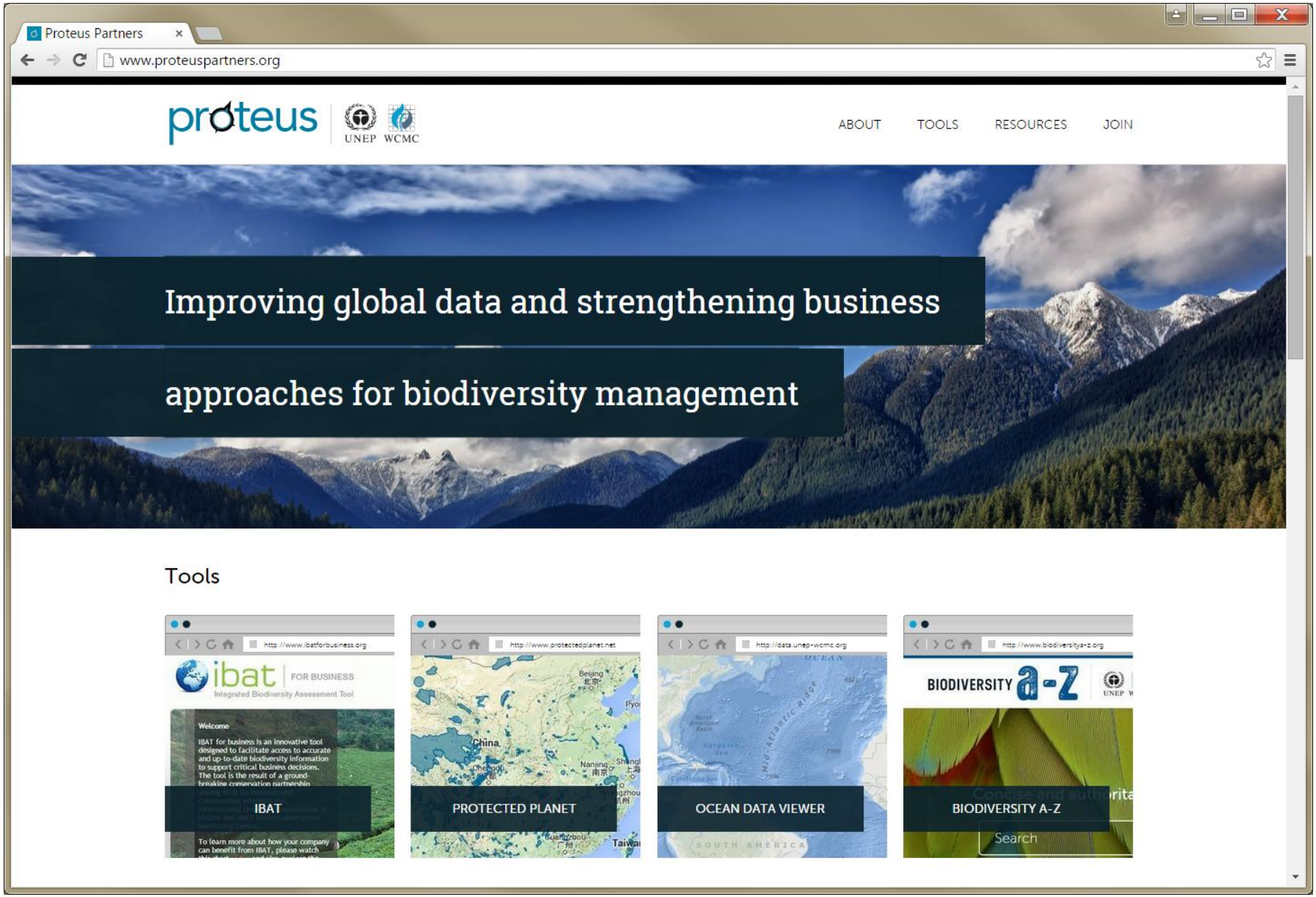






Data Applications: Terrestrial and Marine Critical Habitat (IFC)




Proteus Partners
www.proteuspartners.org
proteus
UNEP WCMC
ABOUT
TOOLS
RESOURCES
JOIN
Improving global data and strengthening business
approaches for biodiversity management
Tools
IBAT
PROTECTED PLANET
OCEAN DATA VIEWER
BIODIVERSITY A-Z

Thank you

matt.jones@unep-wcmc.org

UNEP WCMC