

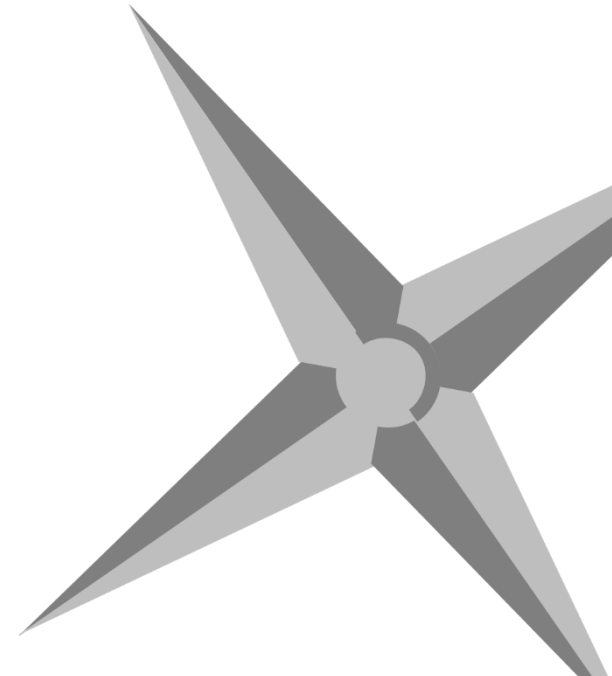
# Proteus: putting biodiversity data in the hands of corporate decision makers

15 September 2015



# 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](http://www.protectedplanet.net)

Integrated Biodiversity Assessment Tool (IBAT)

[www.ibatforbusiness.org](http://www.ibatforbusiness.org)

Coastal and Marine Data / Ocean Data Viewer

<http://data.unep-wcmc.org>

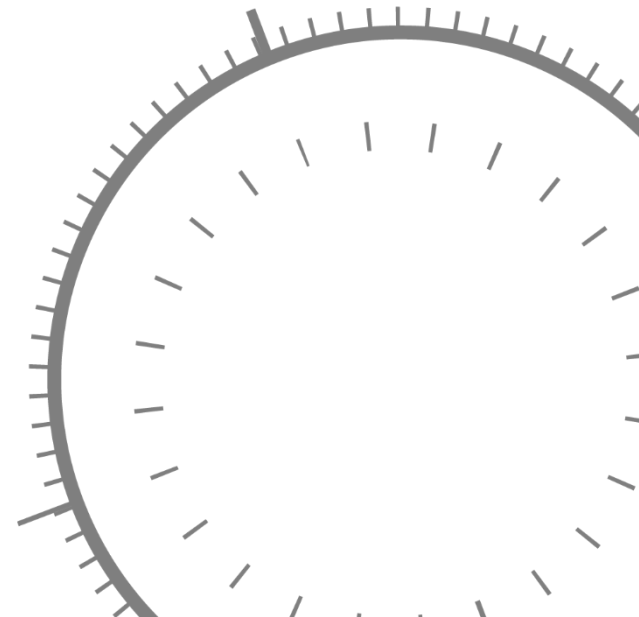
Resources for business

[www.biodiversitya-z.org](http://www.biodiversitya-z.org)

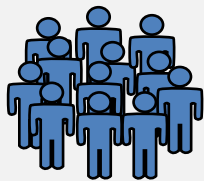
proteus



# The World Database on Protected Areas and ProtectedPlanet.net







Governments



International



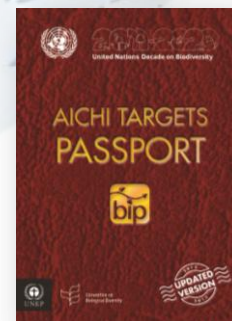
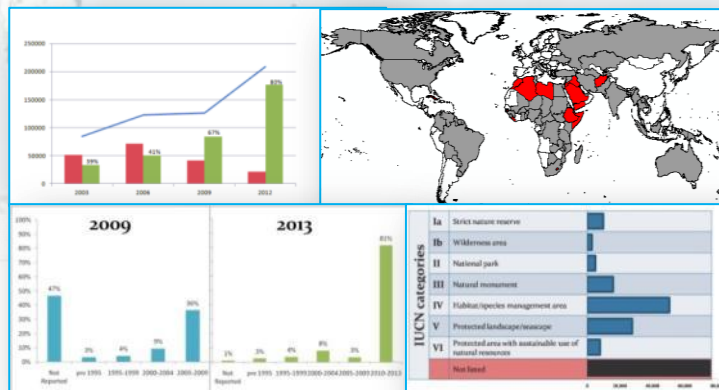
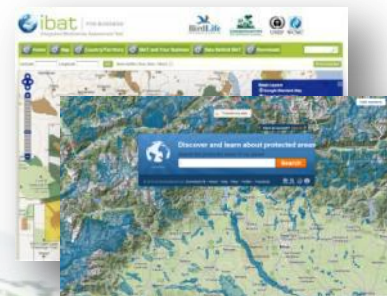
Regional

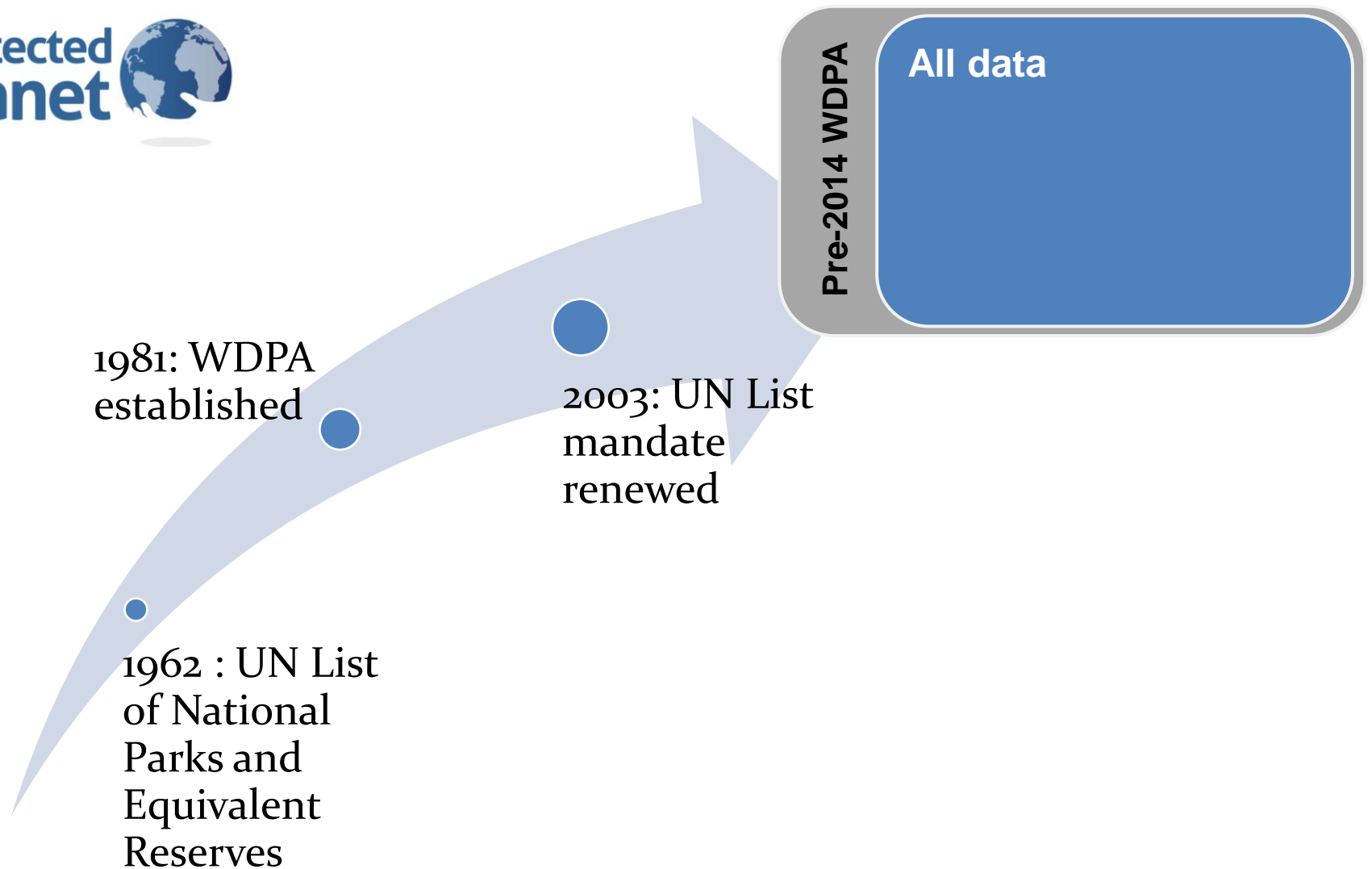


NGOs and  
Others

>206,000 sites  
15% land area; 3% marine area

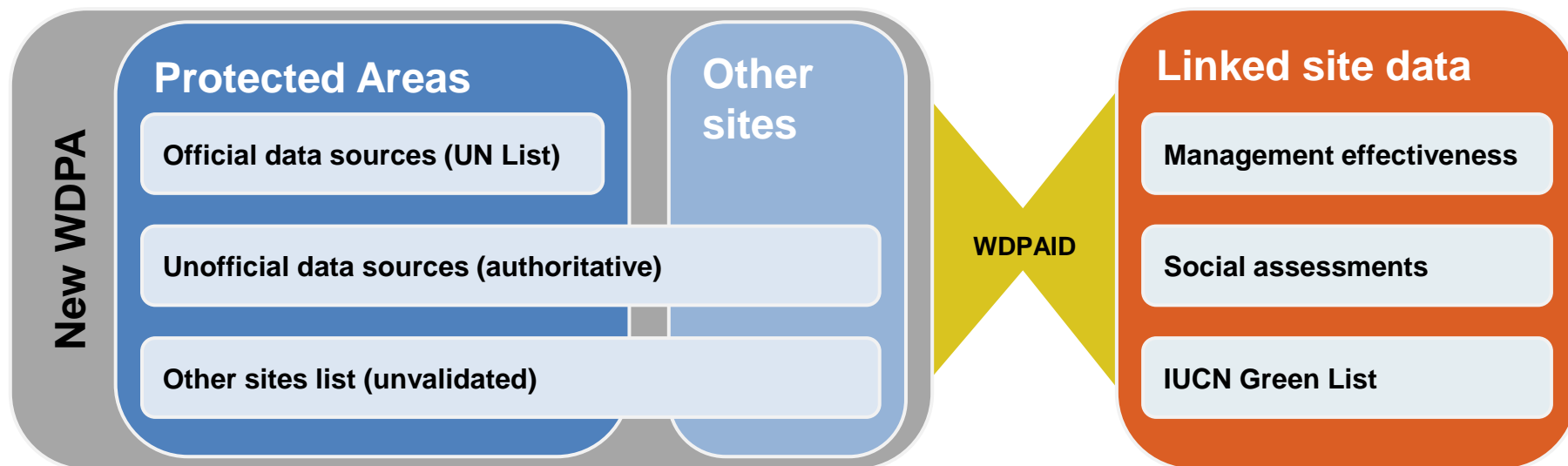
WDPA





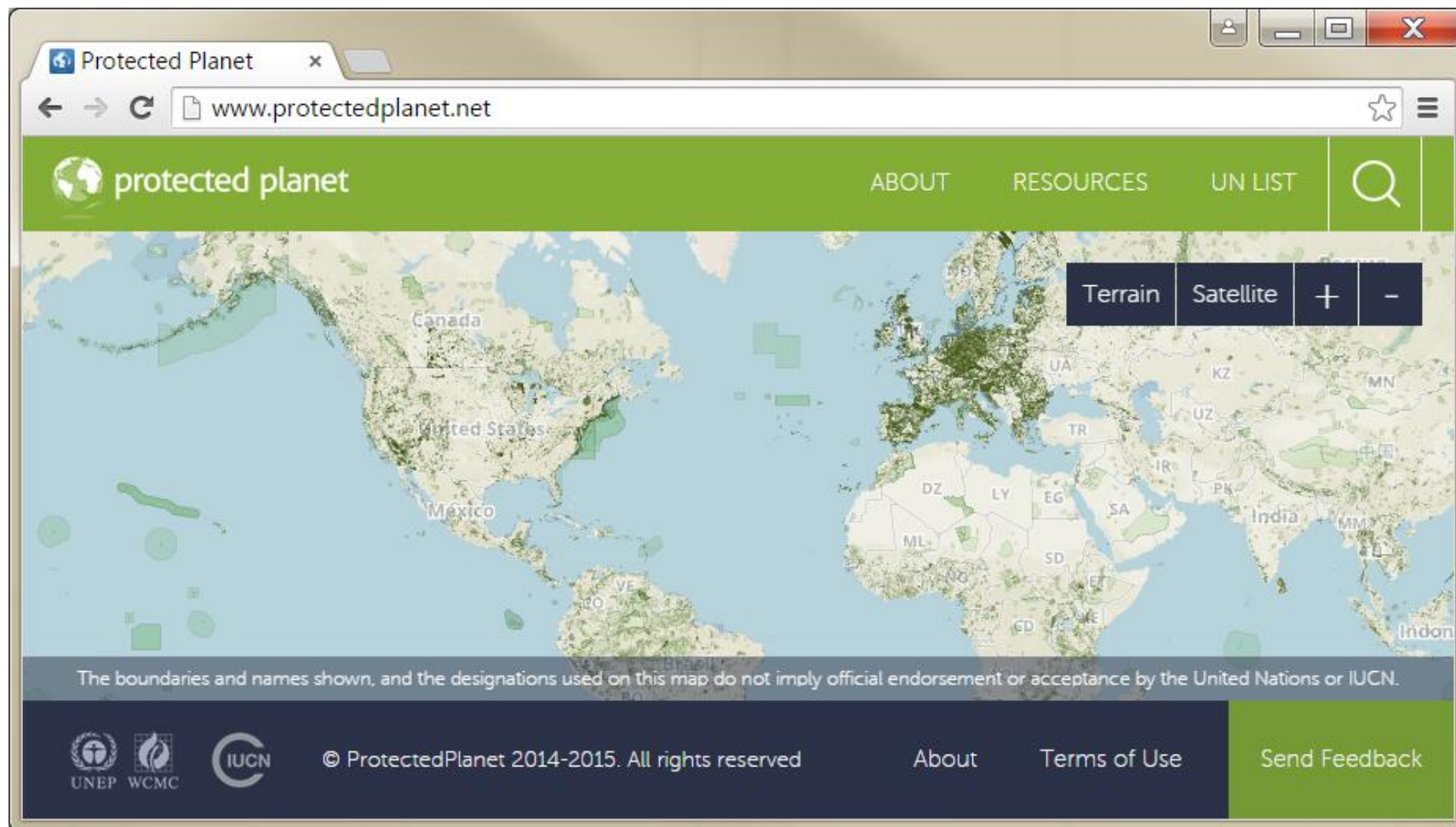


**Now...**





protectedplanet.net



[www.protectedplanet.net](http://www.protectedplanet.net)

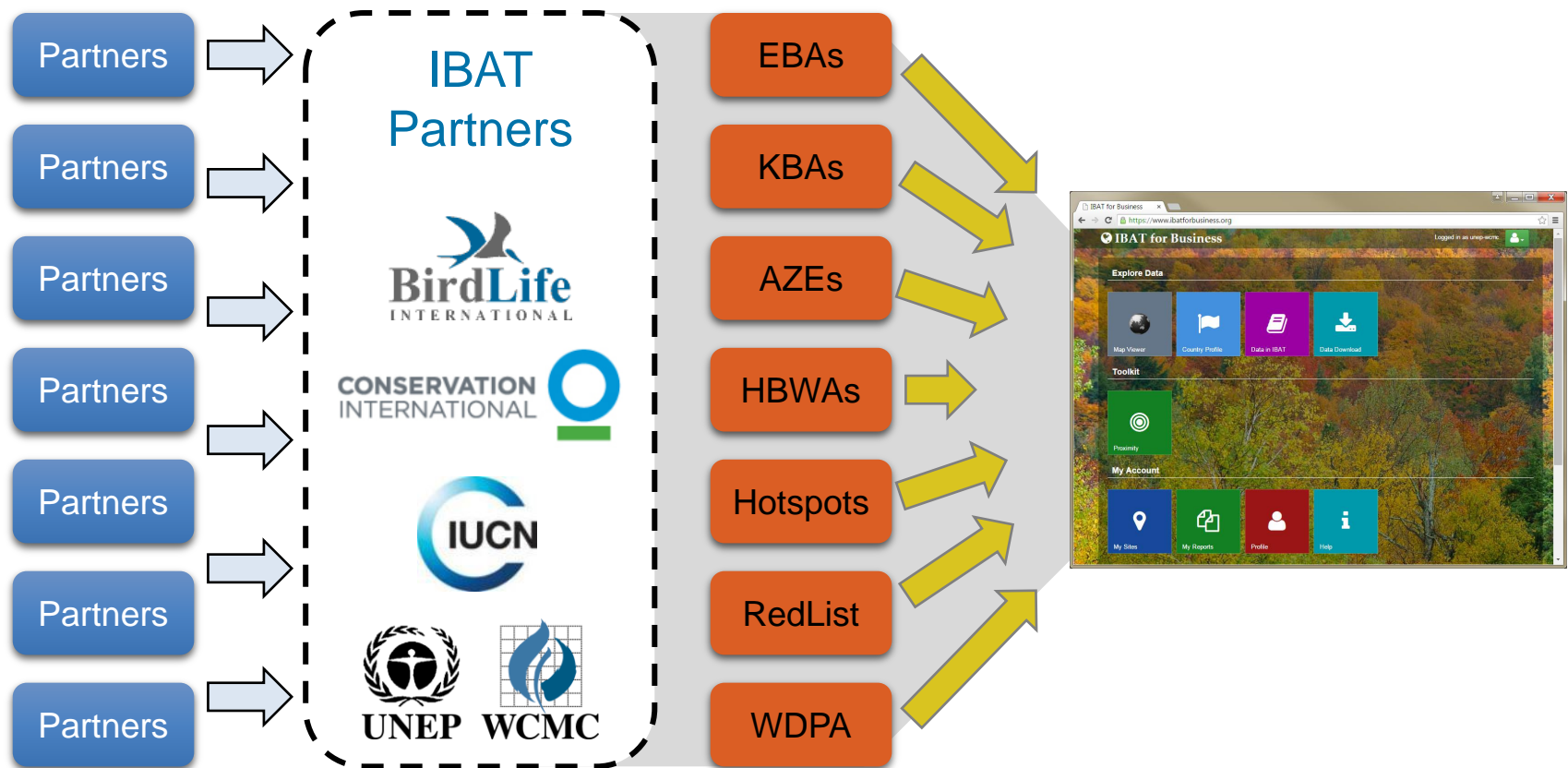


# Integrated Biodiversity Assessment Tool (IBAT)



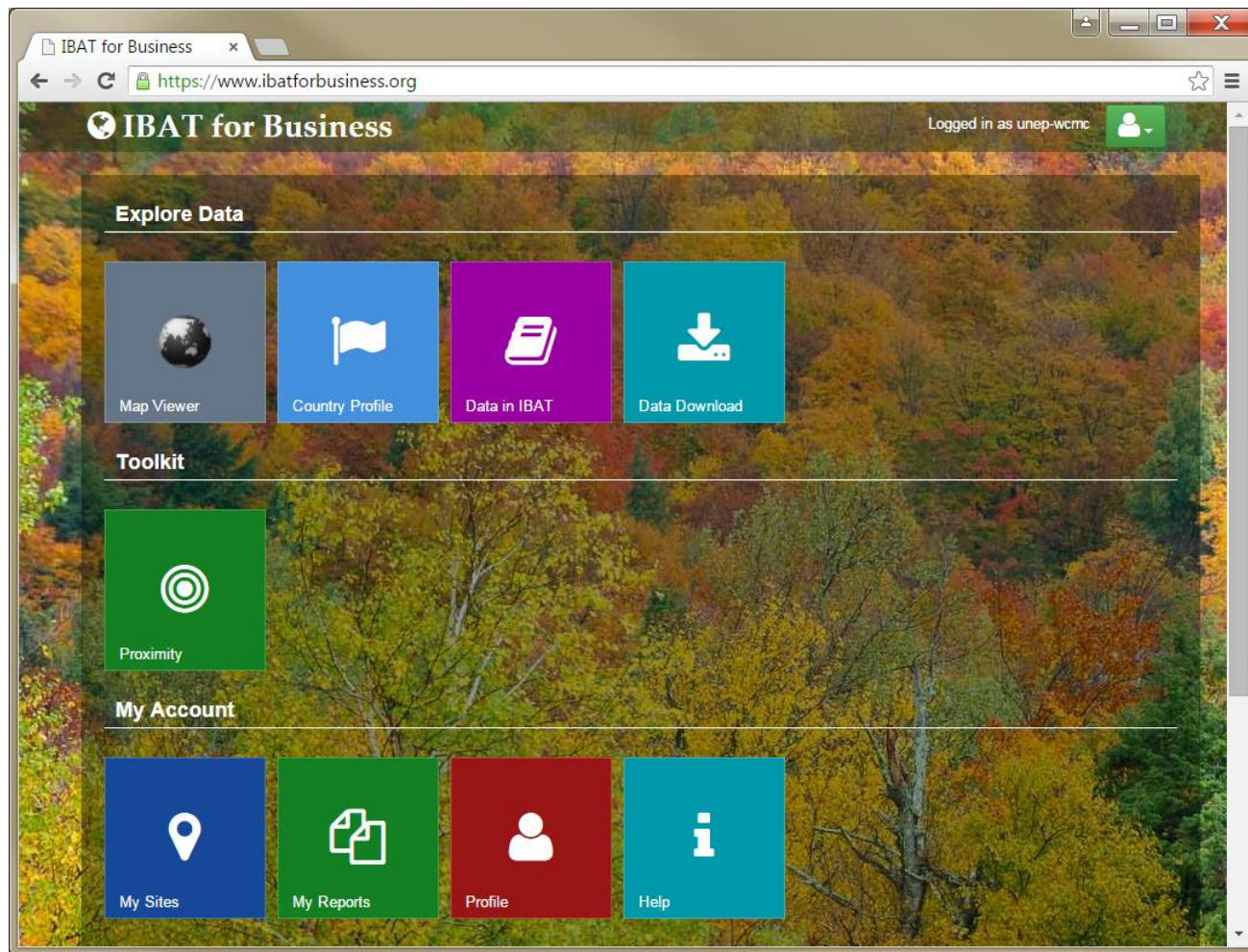


# The IBAT Partners collate data from thousands of data providers into global datasets

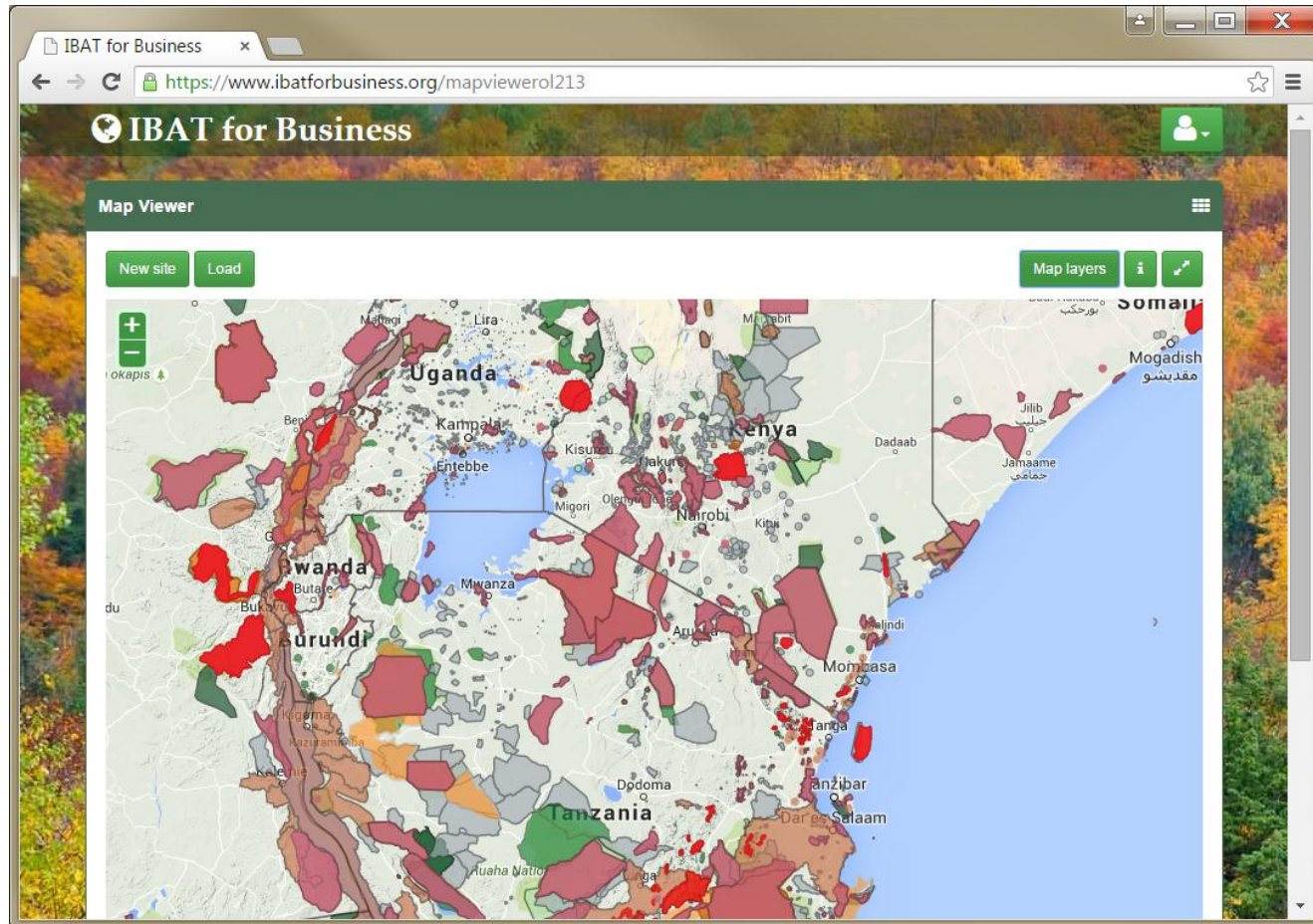




# IBAT allows users to view, query and download data, and to run reports



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

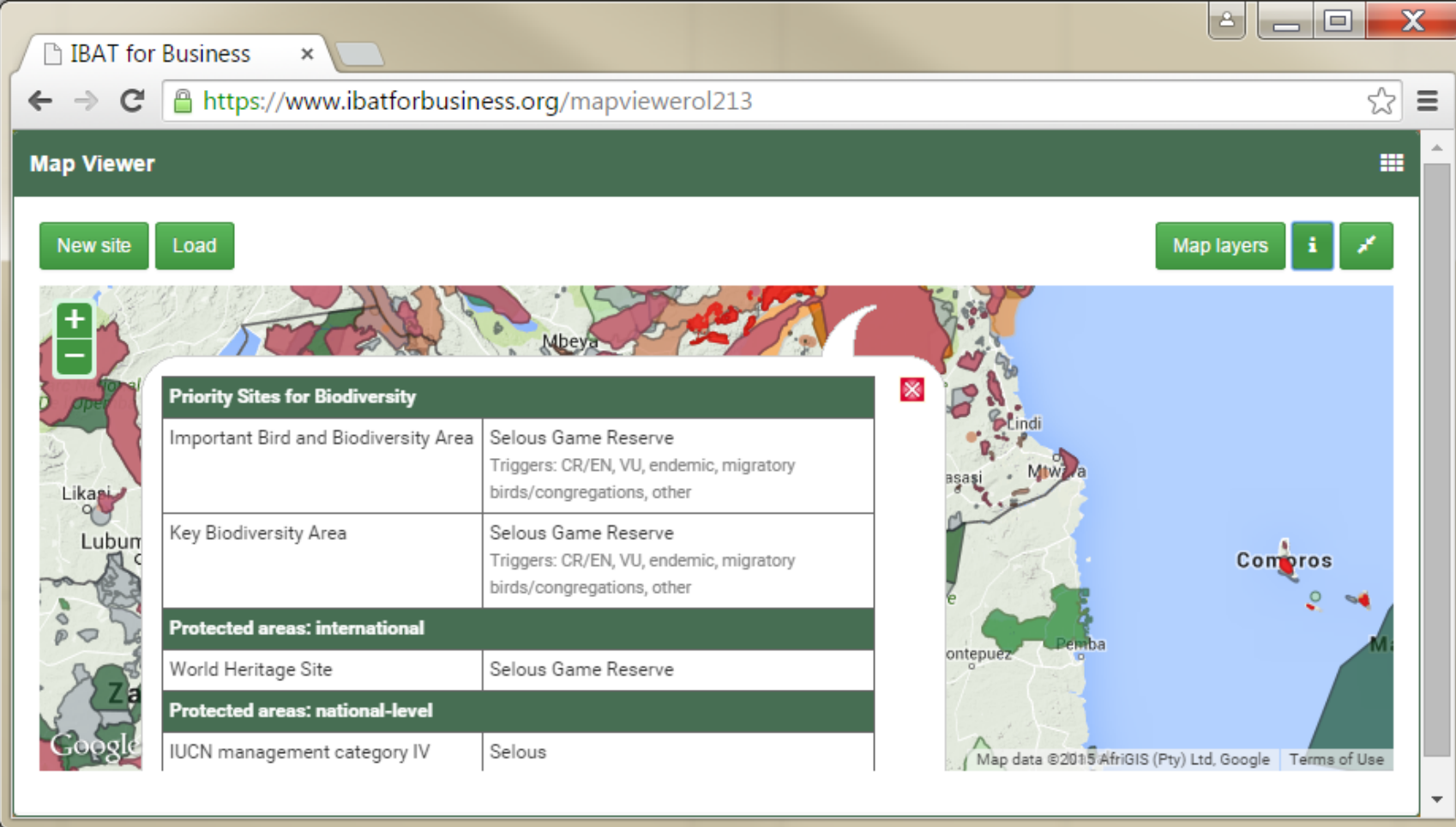


# ...and then go through to the authority source for the data

The image displays three overlapping screenshots of web browsers, each showing a different authority source for biodiversity data.

- Protected Planet (www.protectedplanet.net):** The top-left screenshot shows a world map with various protected areas highlighted in green. The interface includes a search bar, navigation links (ABOUT, RESOURCES, UN LIST), and a 'Start Exploring' section.
- The IUCN Red List of Threatened Species (www.iucnredlist.org):** The middle screenshot shows the IUCN Red List homepage for 2015.2. It features a search bar, navigation links (About, Initiatives, News, Photos, Partners, Sponsors, Resources, Take Action), and a list of news items including 'Support the IUCN Red List Bumblebee Campaign' and 'IUCN Red List Committee receives SCB Distinguished Service Award'.
- BirdLife Data Zone (www.birdlife.org/datazone/site):** The bottom-right screenshot shows the BirdLife Data Zone homepage. It includes a search bar, navigation links (Home, Search by name, Search by map, IBAs in Danger, IBA Criteria, IBA Monitoring, Publications), and a list of news items including 'The function of the BirdLife Important Bird and Biodiversity Area (IBA) Programme' and 'The continued ecological integrity of these sites will be decisive in maintaining and conserving such bird'.





The screenshot shows the IBAT for Business web application. The browser address bar displays the URL <https://www.ibatforbusiness.org/mapviewerol213>. The interface includes a 'Map Viewer' header, buttons for 'New site' and 'Load', and a 'Map layers' button. A map of the Comoros archipelago is displayed, with a pop-up window titled 'Priority Sites for Biodiversity' overlaid. The table in the pop-up lists various biodiversity sites and their IUCN management categories.

Priority Sites for Biodiversity	
Important Bird and Biodiversity Area	Selous Game Reserve Triggers: CR/EN, VU, endemic, migratory birds/congregations, other
Key Biodiversity Area	Selous Game Reserve Triggers: CR/EN, VU, endemic, migratory birds/congregations, other
<b>Protected areas: international</b>	
World Heritage Site	Selous Game Reserve
<b>Protected areas: national-level</b>	
IUCN management category IV	Selous

[www.ibatforbusiness.org](http://www.ibatforbusiness.org)



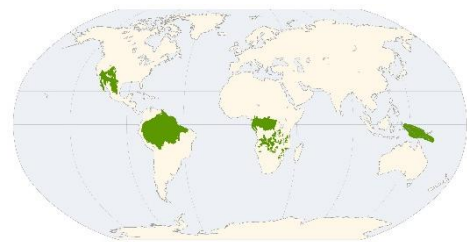
■ Alliance of Zero Extinction sites



■ Important Bird Areas  
■ Terrestrial  
■ Marine



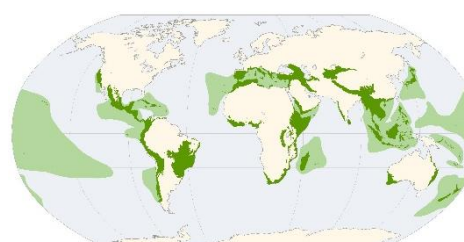
■ Key Biodiversity Areas  
■ Terrestrial  
■ Marine



■ High Biodiversity Wilderness Areas



■ Endemic Bird Areas



■ Biodiversity Hotspots  
■ hotspot area  
■ outer limit



■ World Heritage Sites



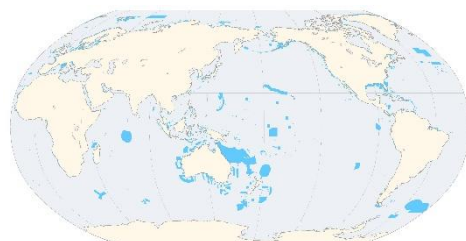
■ UNESCO Man and Biosphere Reserves



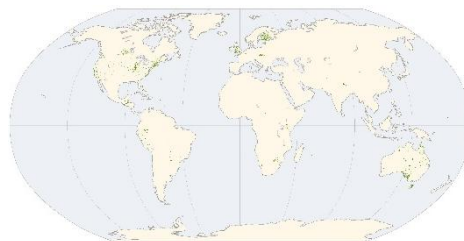
■ Ramsar sites



■ Protected Areas (IUCN categories I - VI)



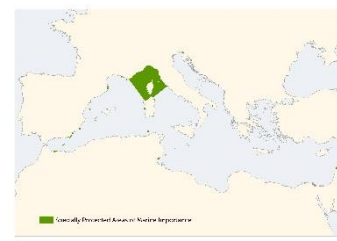
■ Marine Protected Areas



■ Private Protected Areas



■ Natura 2000 sites



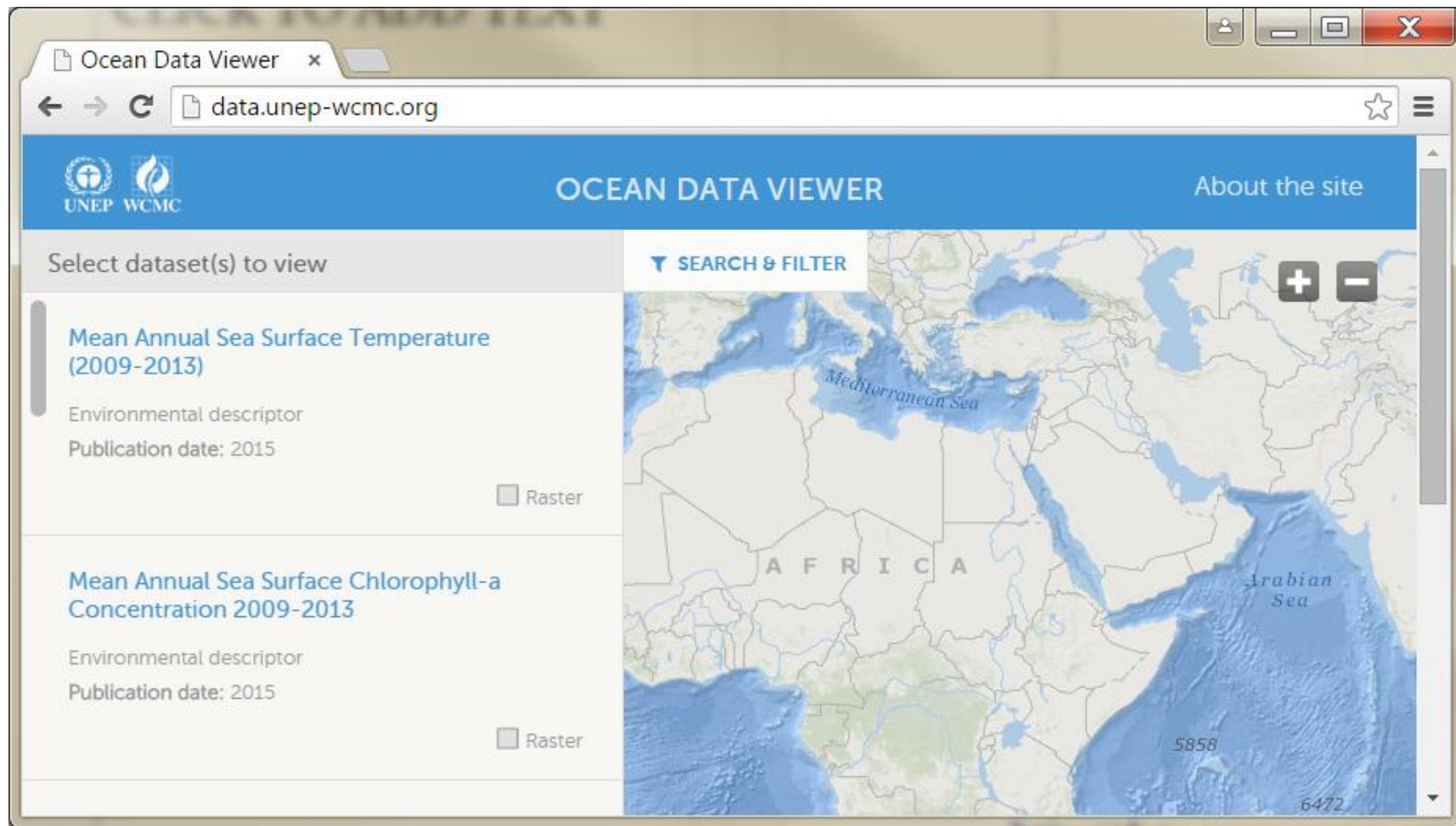
■ Centrally Protected Areas in Marine Reserves

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

# Coastal and Marine Data and the Ocean Data Viewer





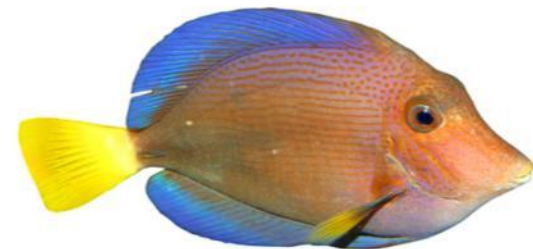


<http://data.unep-wcmc.org>

# Ocean Data Viewer

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

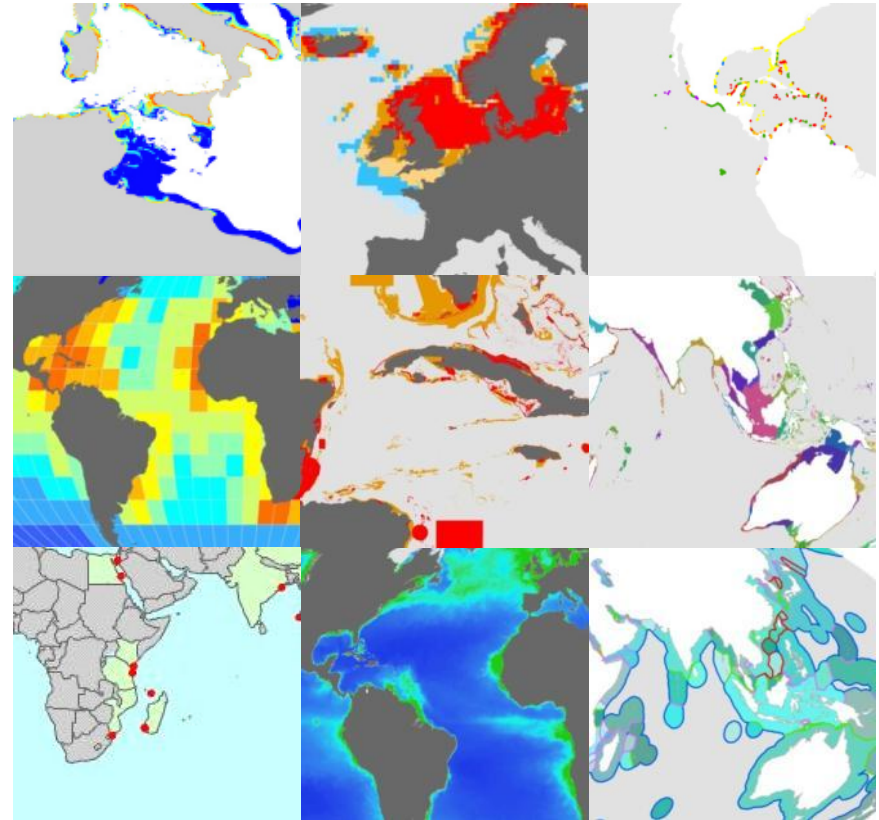
- Over 30 spatial datasets
- Datasets linked to relevant global conventions
- UNEP-WCMC actively working to improve accuracy and currency of global marine and coastal ecosystem datasets



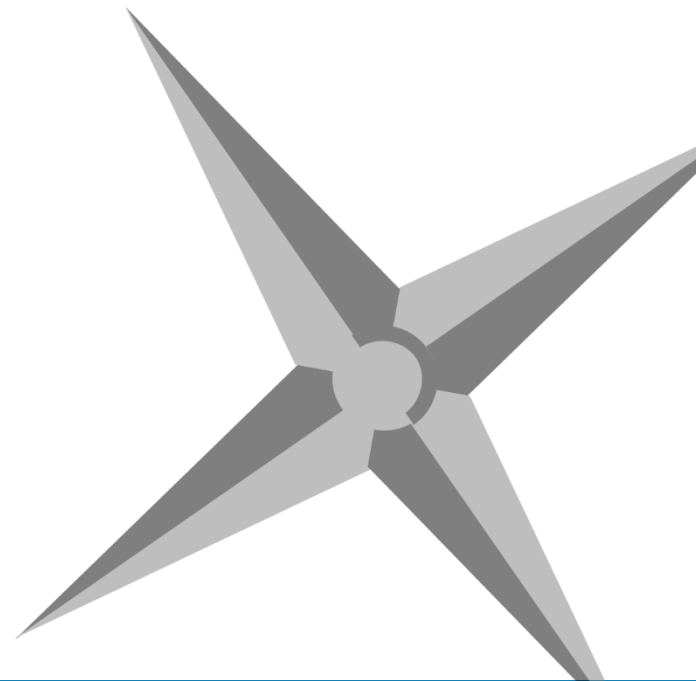
# Global and regional-scale datasets

## Nine Categories

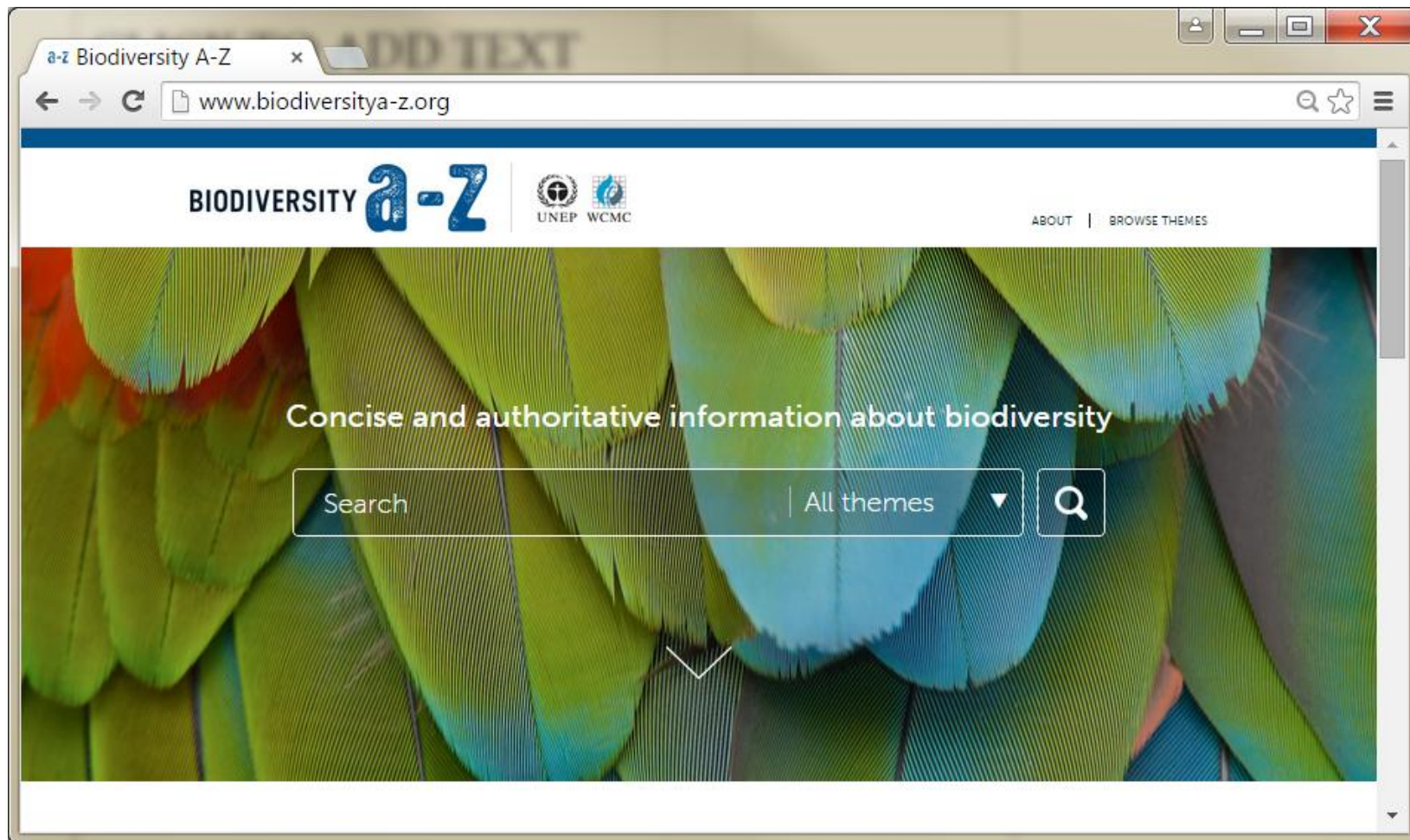
- Biogenic habitat
- Species distribution
- Species habitat
- Biodiversity metric
- Area of biodiversity importance
- Biogeographic classification
- Ecological status and impact
- Environment descriptor
- Administration



# Biodiversity A-Z



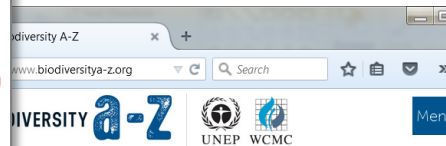




## Acronyms A-Z

- 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:



## 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**

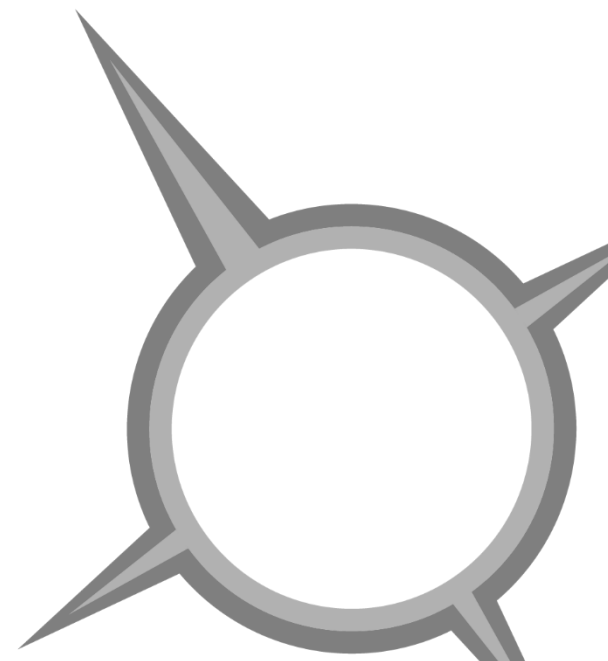
## Marine A-Z

- 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**

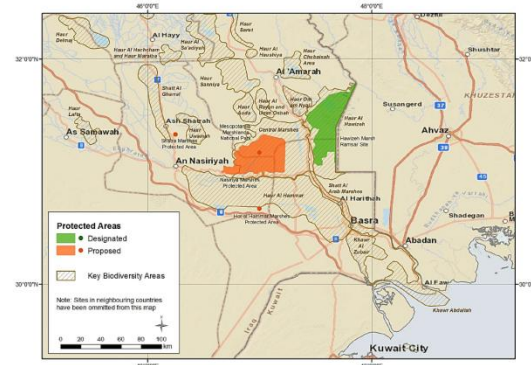
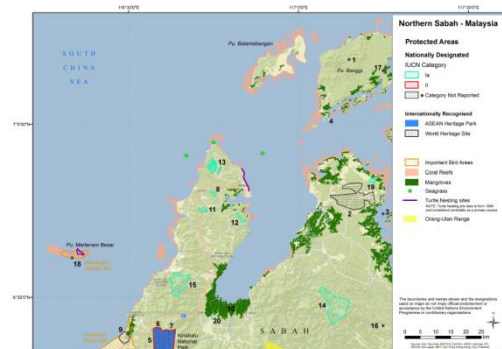
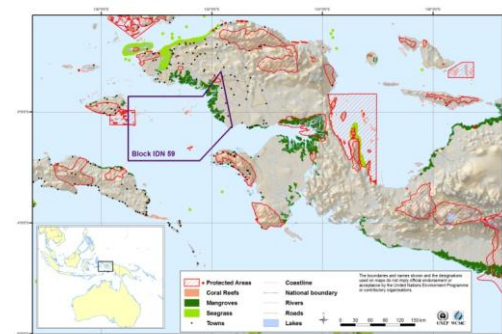


# Data use



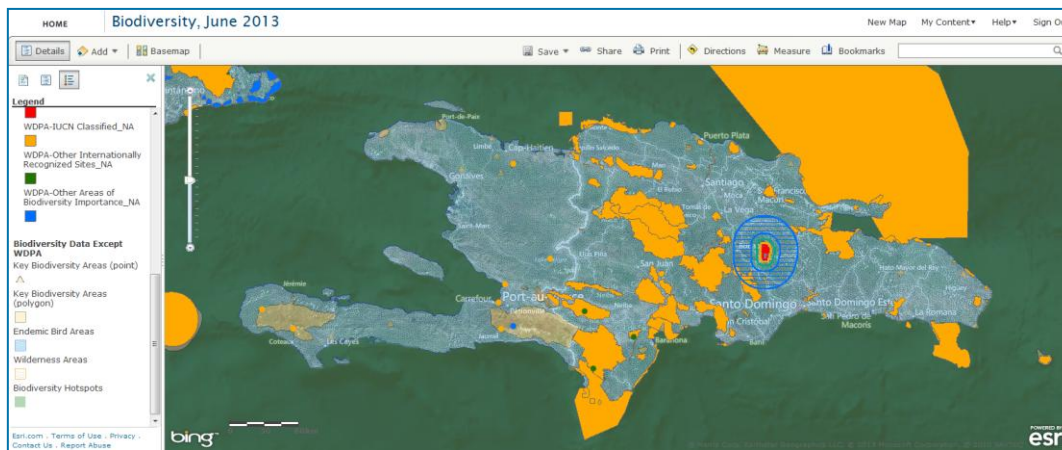
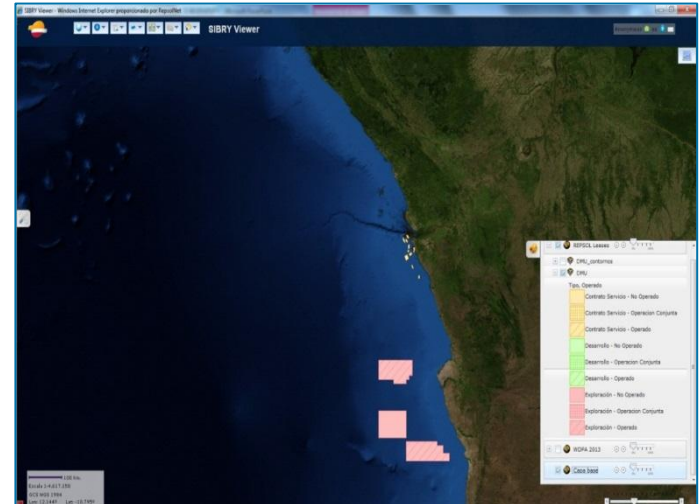
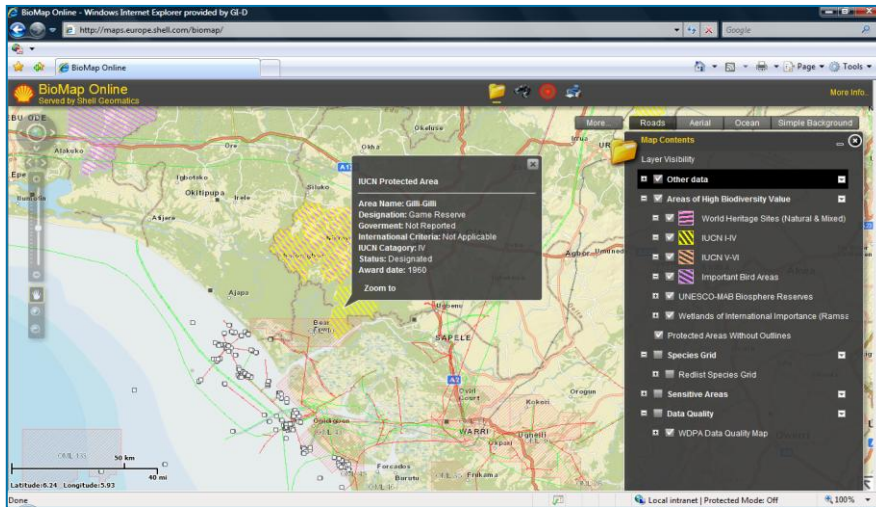
# Data and resource use in business decisions

- 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

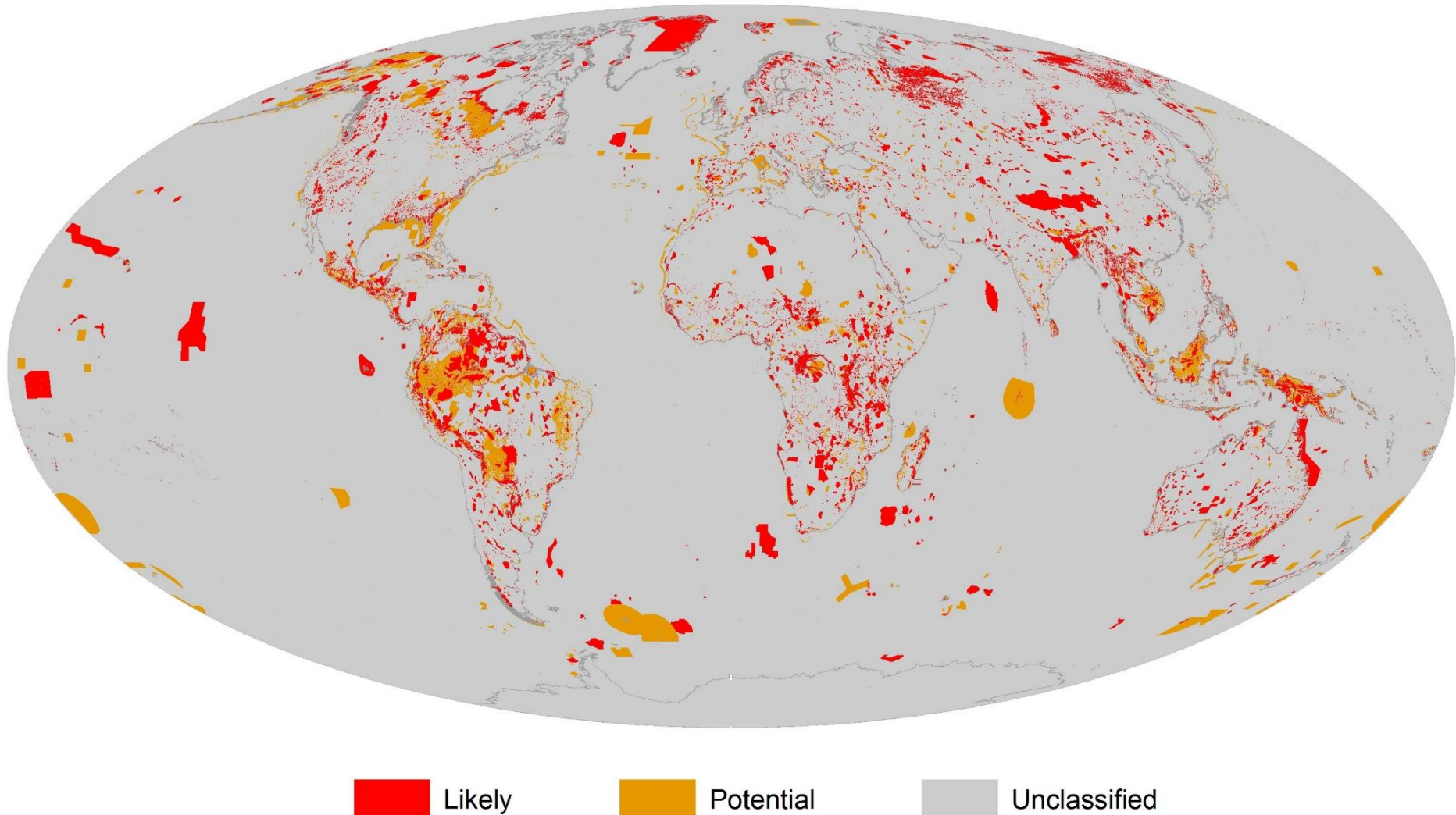


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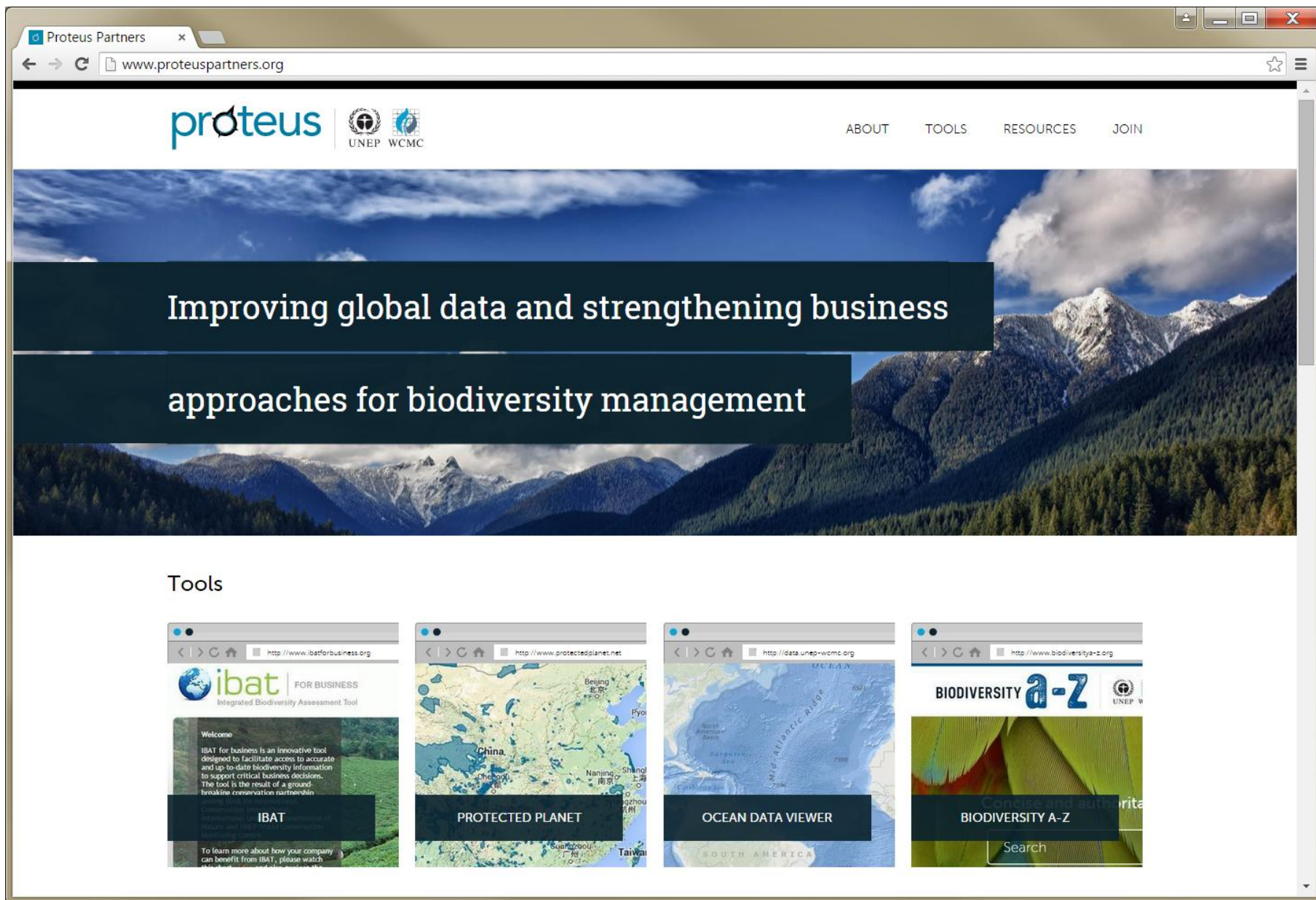
## Internal data platforms and mapping tools



# Data Applications: Terrestrial and Marine Critical Habitat (IFC)







# Thank you

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