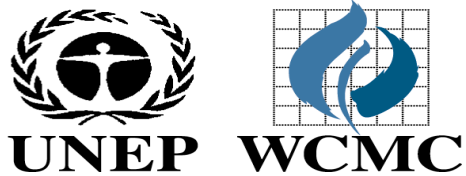


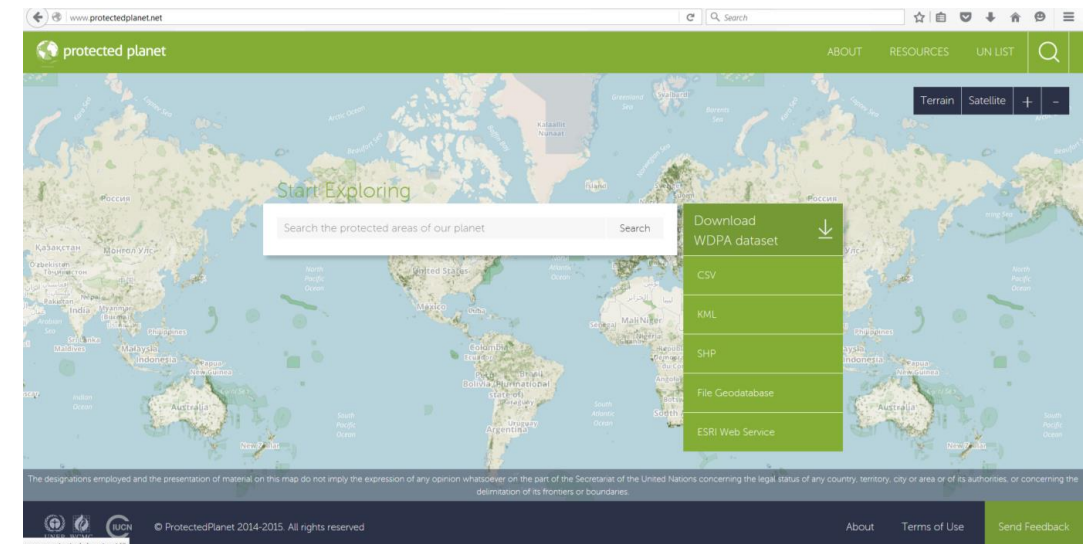
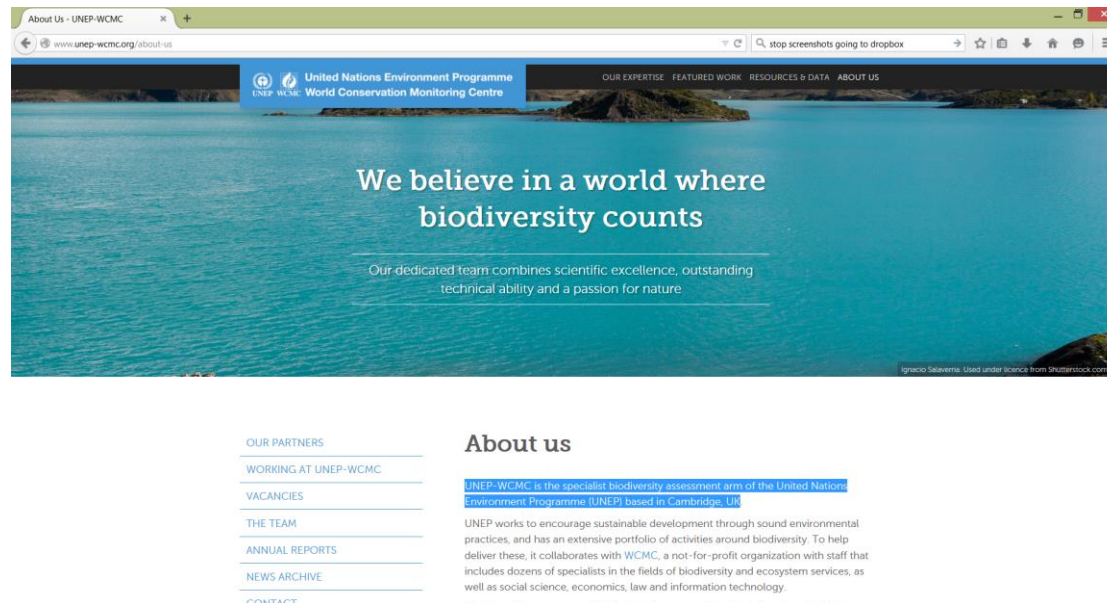
# Protected Planet and the World Database on Protected Areas

Brian MacSharry



# UNEP-WCMC

UNEP-WCMC is the specialist biodiversity assessment arm of the United Nations Environment Programme (UNEP) based in Cambridge, UK.



The Protected Areas Programme works on all aspects of Target 11. The main areas of work are:

WDPA

Protectedplanet.net

Systematic  
Conservation  
Planning

ICCA

OECM

Management  
Effectiveness

PARCC

Connectivity

Equity

# World Database on Protected Areas

Всемирная база данных по охраняемым территориям

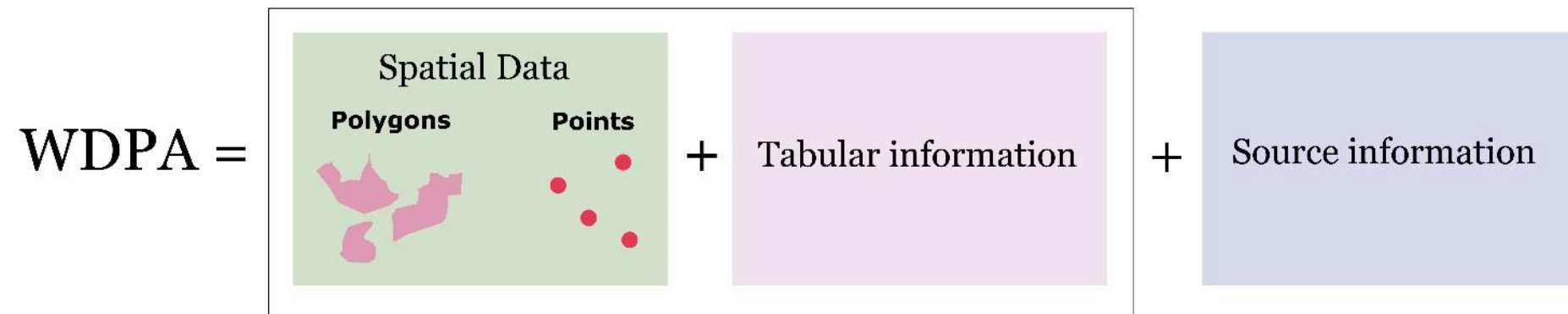
The only global authoritative **database** on terrestrial and marine **protected areas**.

A joint initiative between the United Nations Environment Programme (**UNEP**) and the International Union for Conservation of Nature (**IUCN**).

Compiled and managed by the UNEP World Conservation Monitoring Centre (**UNEP-WCMC**) in collaboration with governments and non-governmental organizations

*“A **protected area** is a clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long term conservation of nature with associated ecosystem services and cultural values.”*

Dudley, N. (ed.) (2008) Guidelines for Applying Protected Areas Management Categories. IUCN:



Protected Areas are divided into three types:

National level

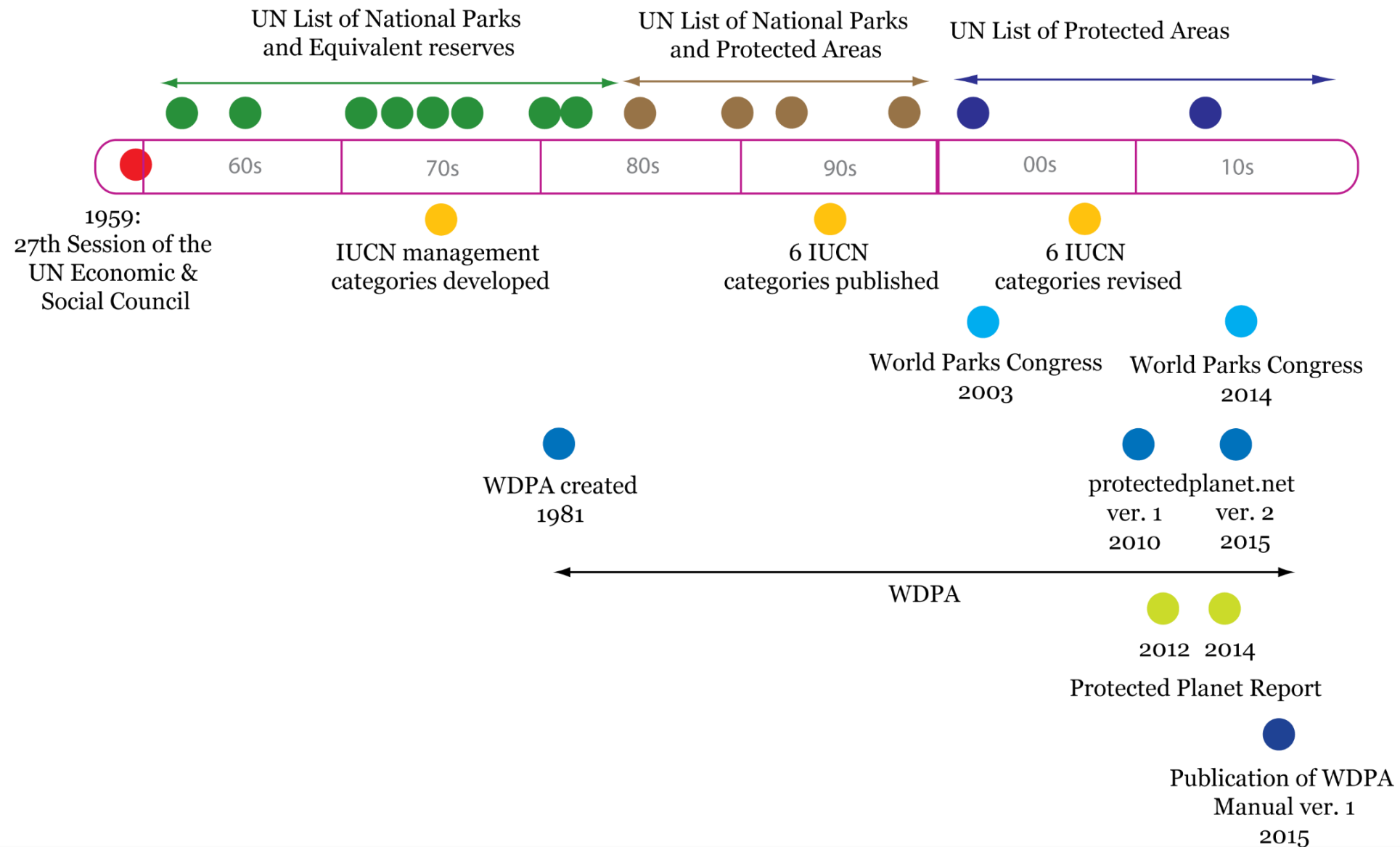
Regional level: e.g. Natura 2000

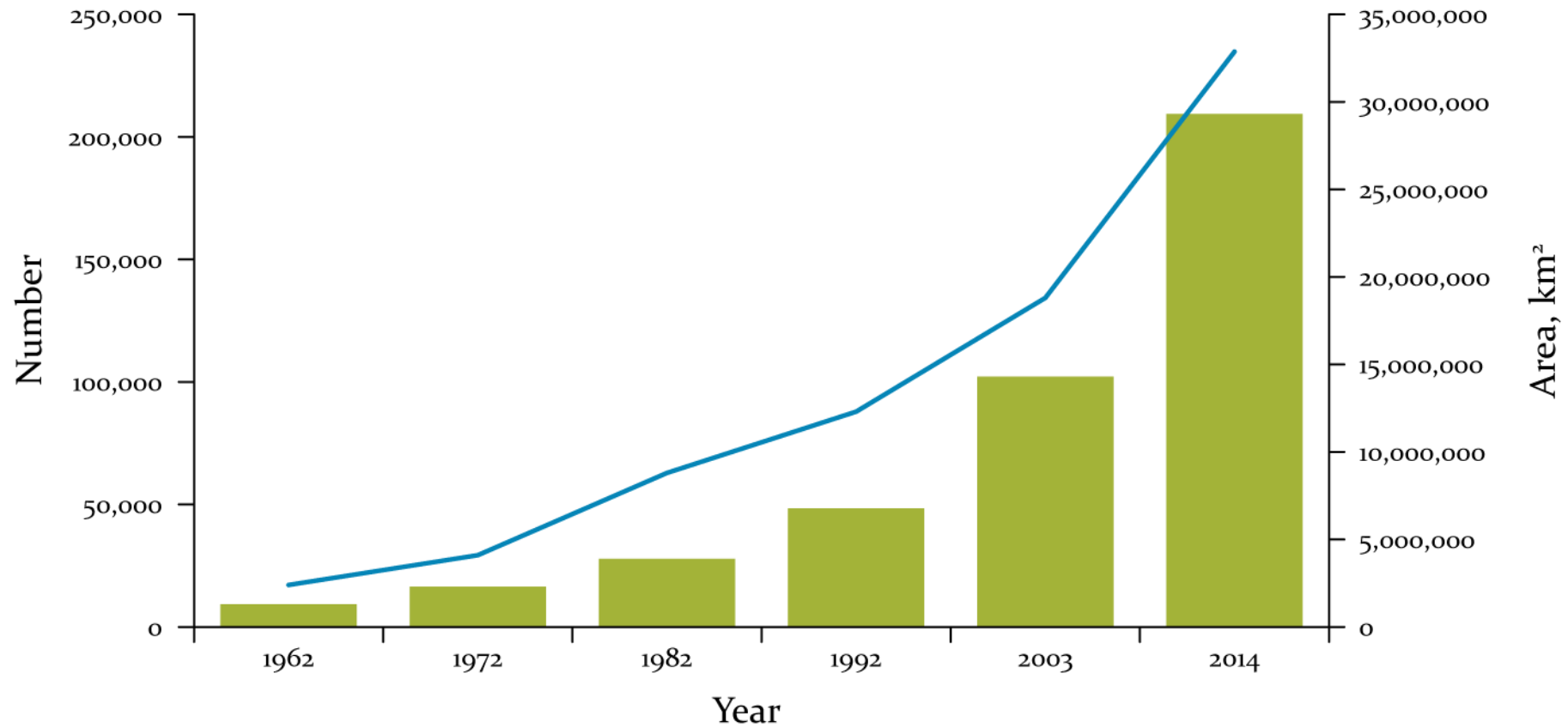
International level: e.g. World Heritage Site



# History

# WDPA





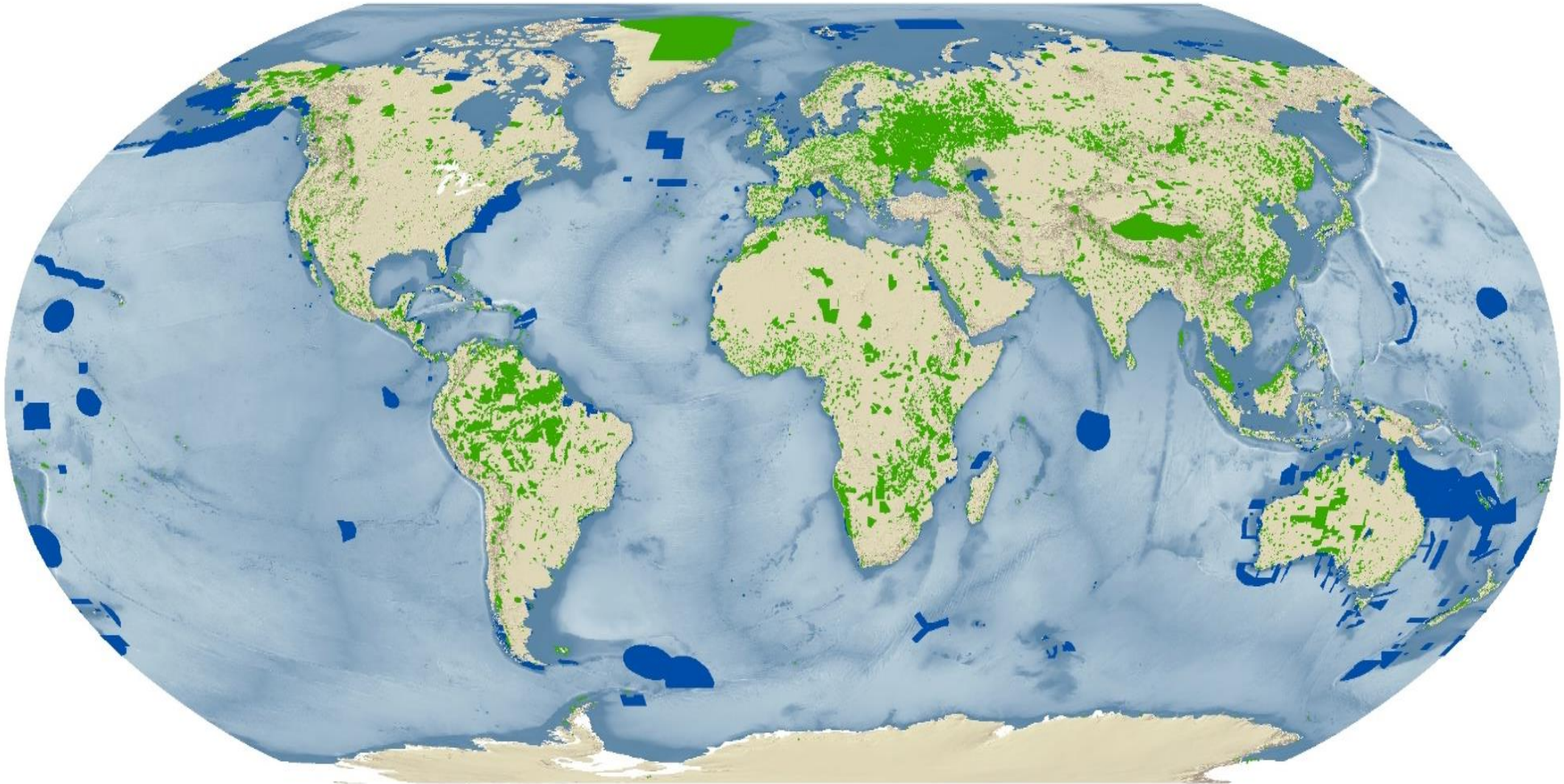
**Figure 3:** Evolution of the terrestrial and marine protected area network, in numbers of sites (green bars) and in area (km<sup>2</sup>; blue line) since the first World Park Congress in 1962 based on previous versions of the UN List (Source: UNEP-WCMC 2014, with data from Chape et al. 2003).

**WDPA June 2016**

**229,593 records**

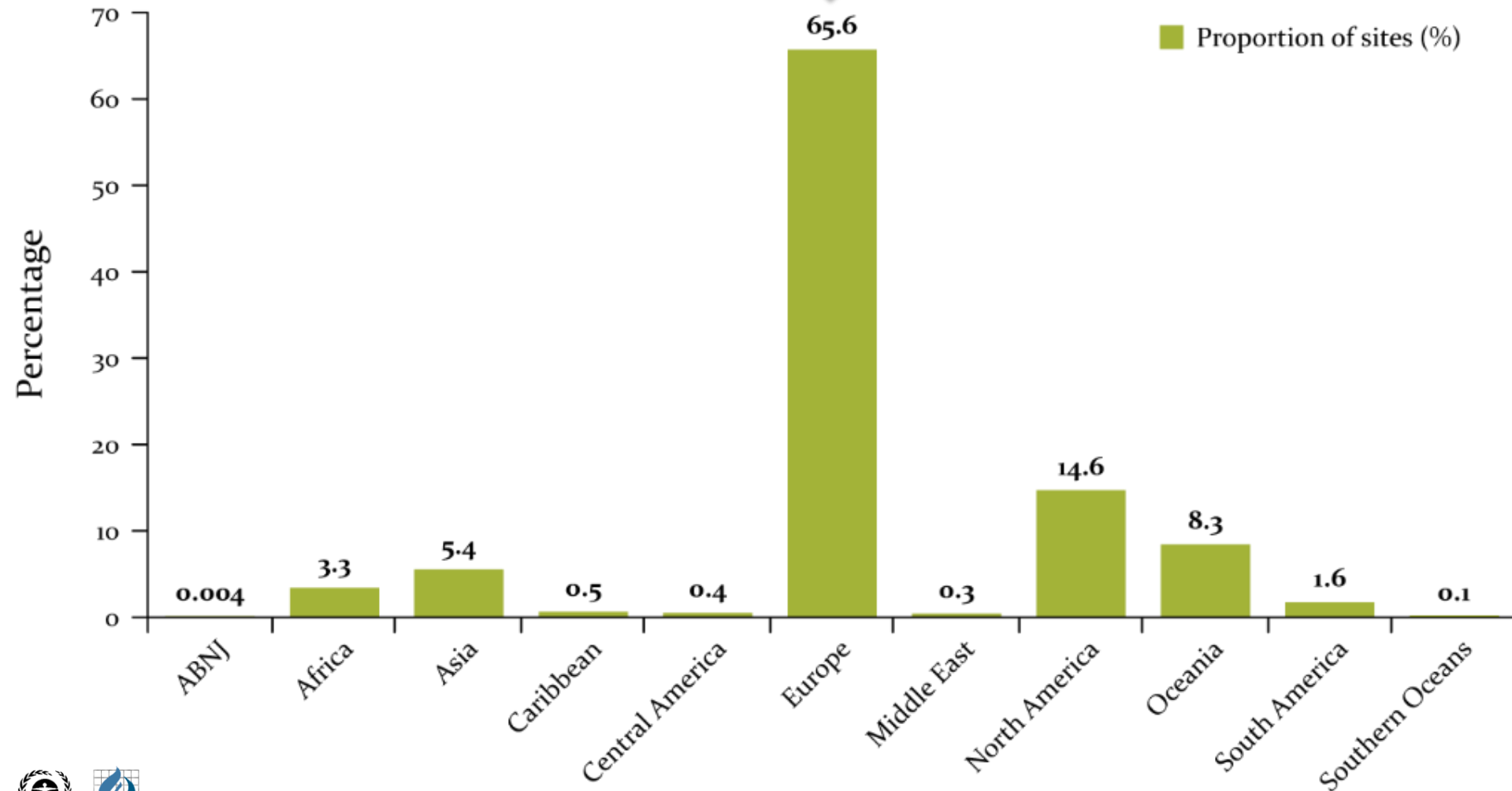
<http://stage.protectedplanet.net/c/june-update-of-the-wdpa>

Nearly 230,000 records from over 244 countries and territories  
Over 18 300 records have a marine component

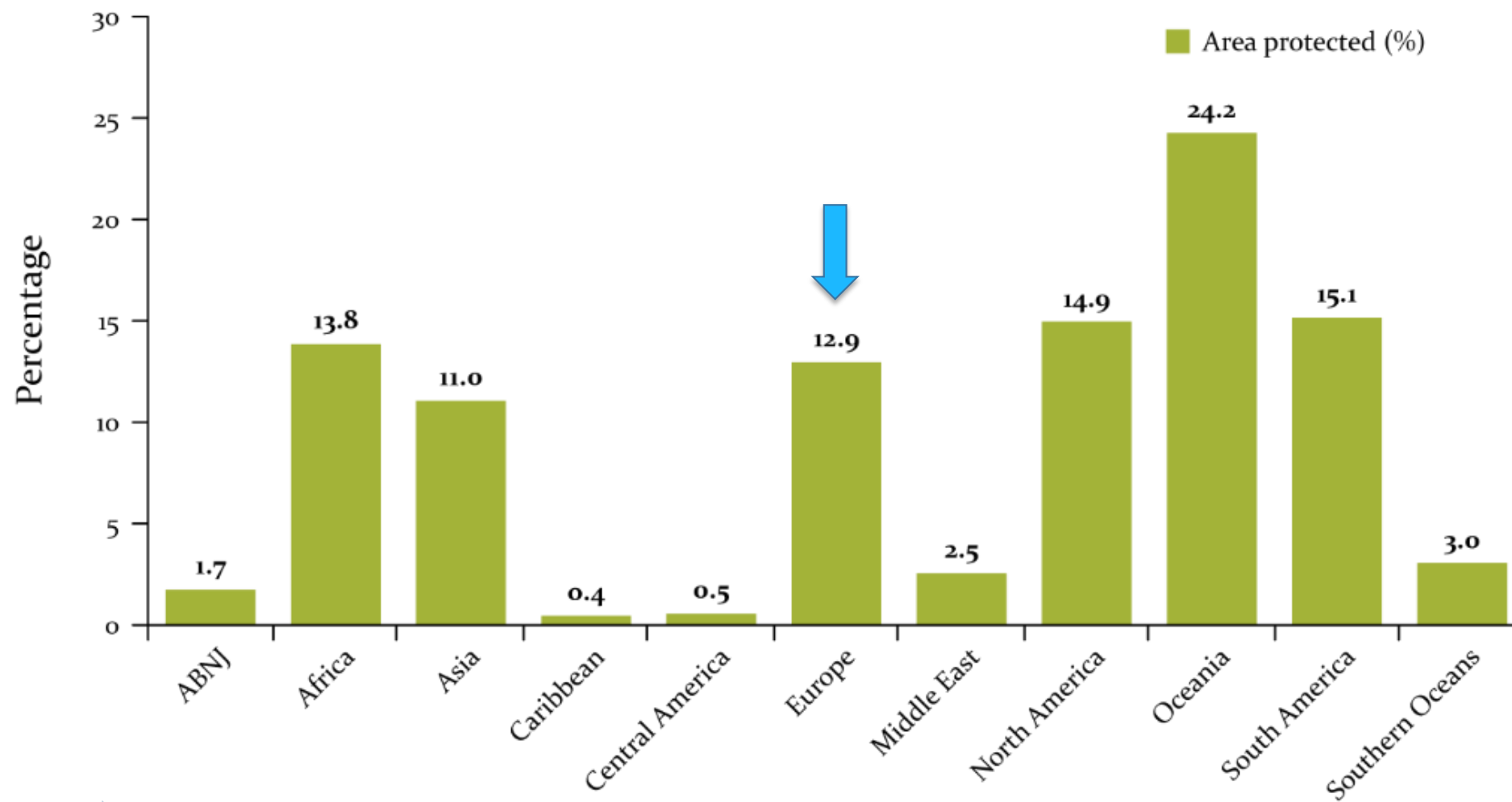


**Where are sites?**

# Number of Sites

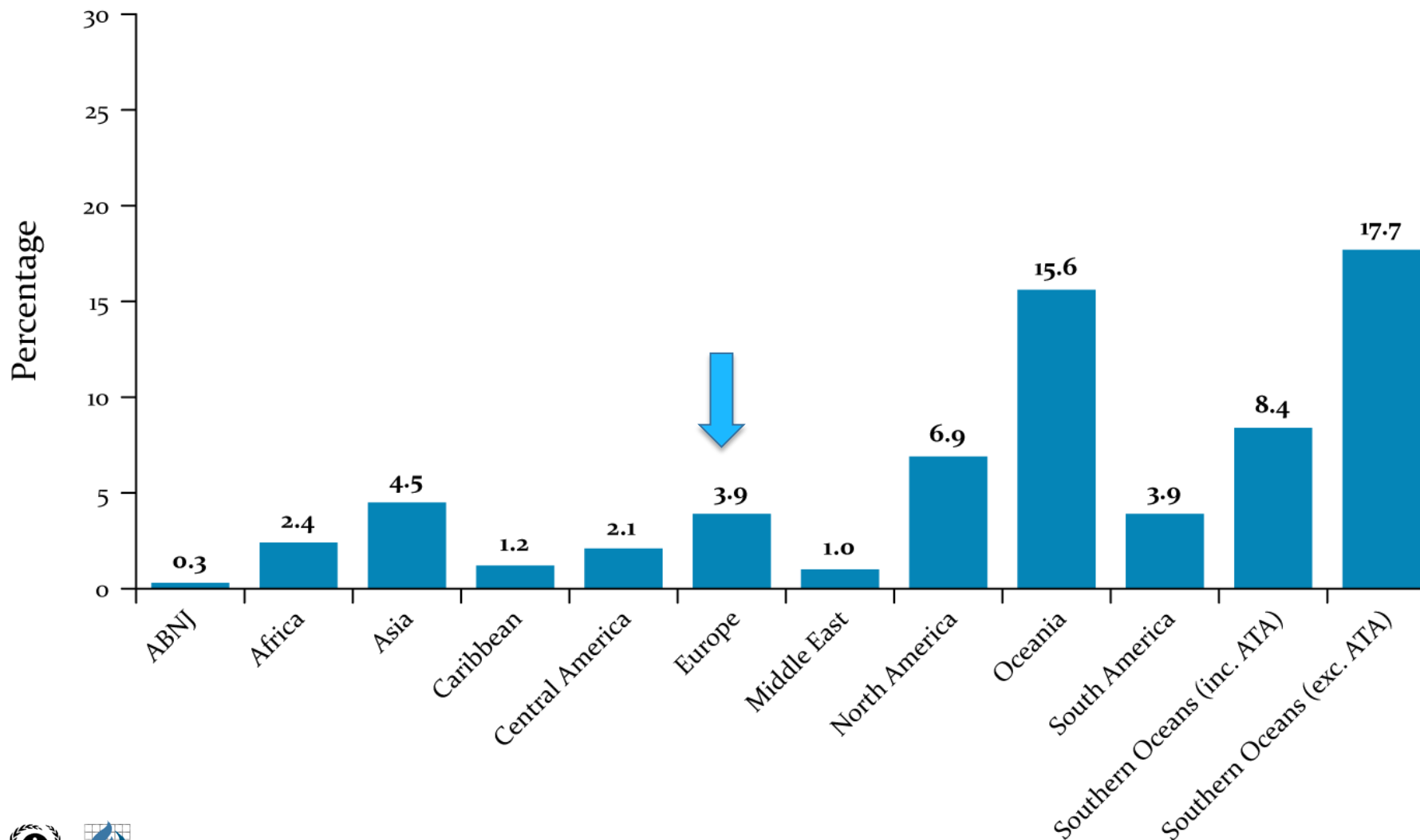


## By Area

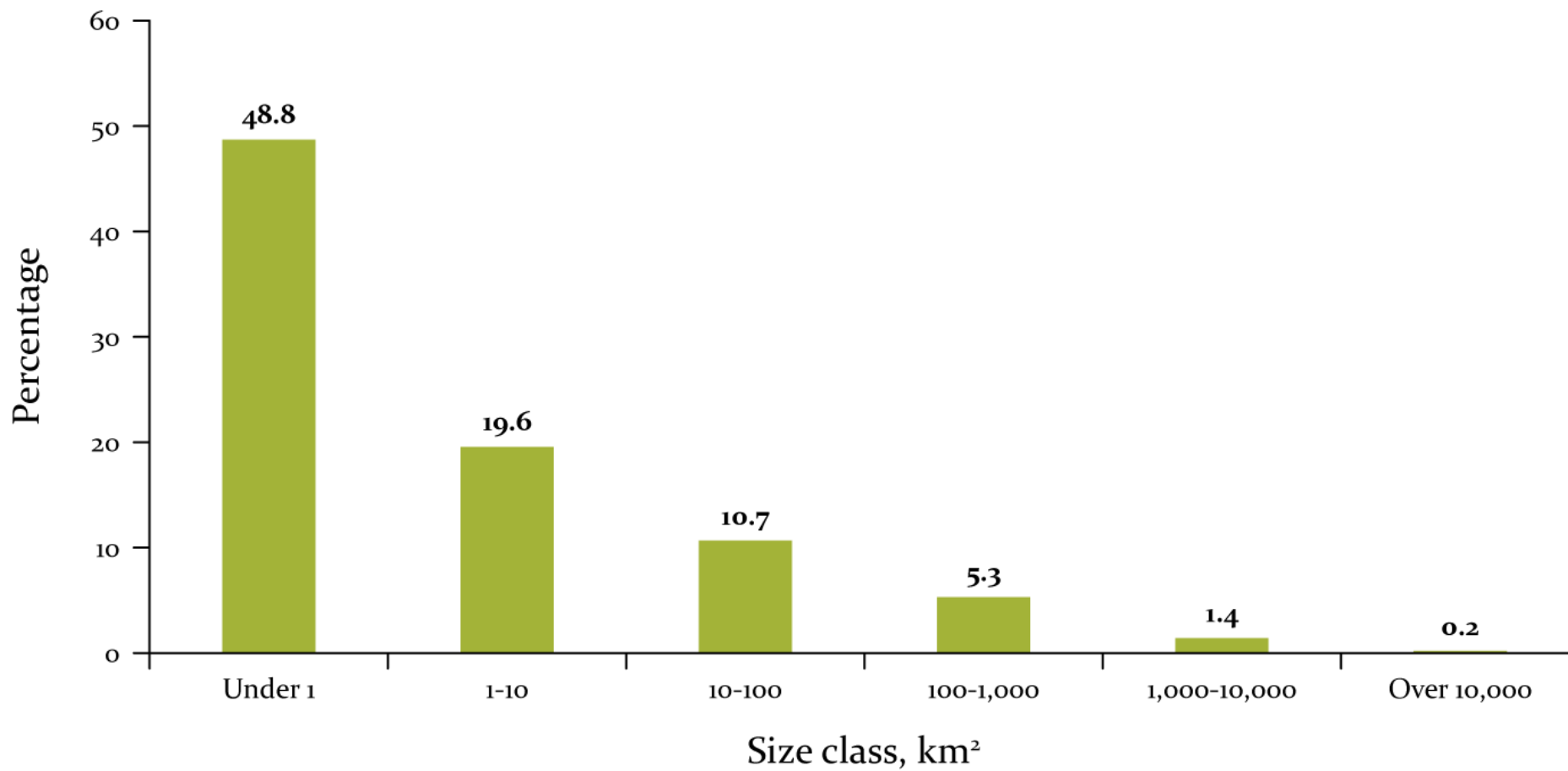




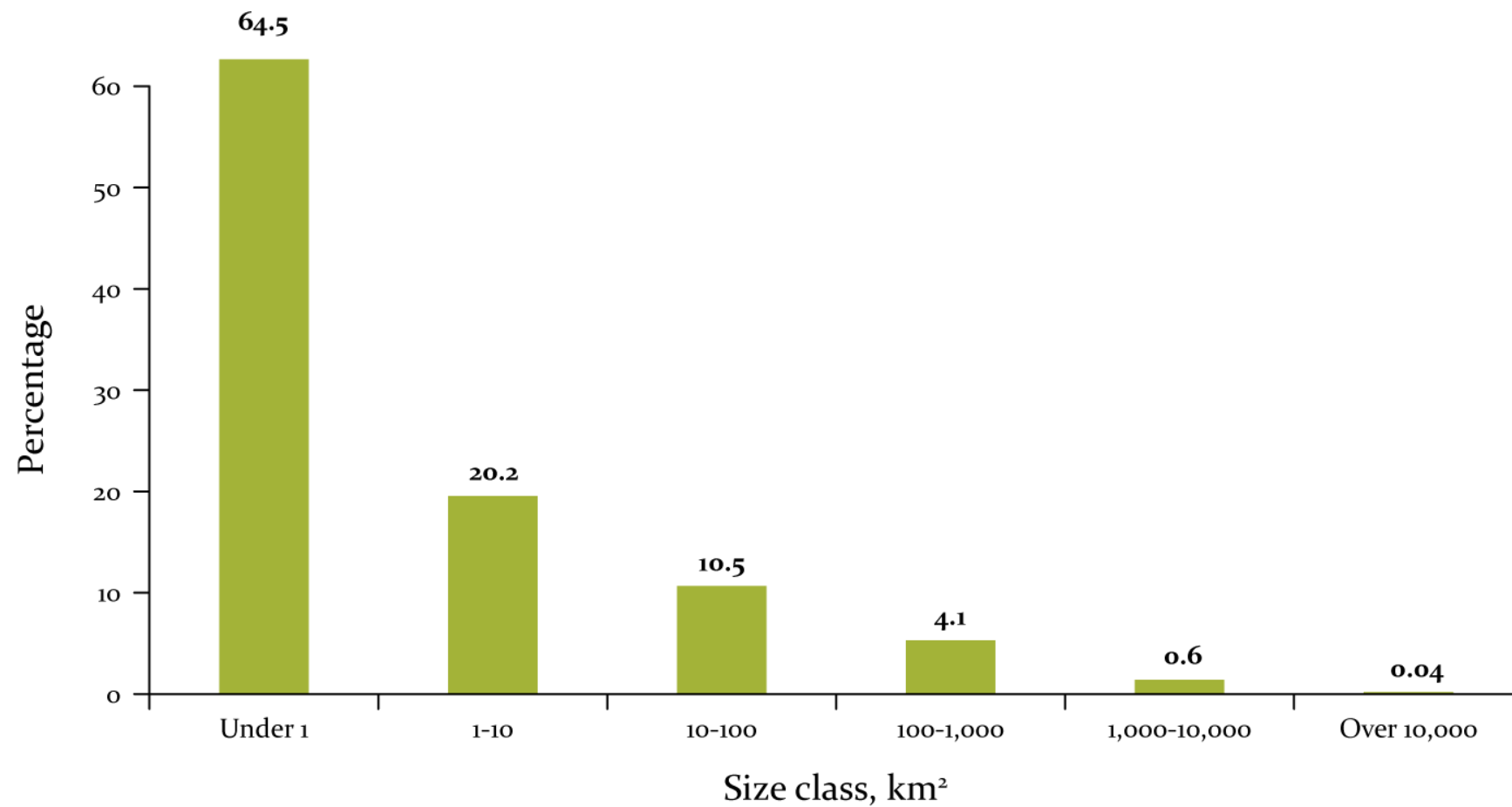
## % Marine areas covered



## Size of sites: Global



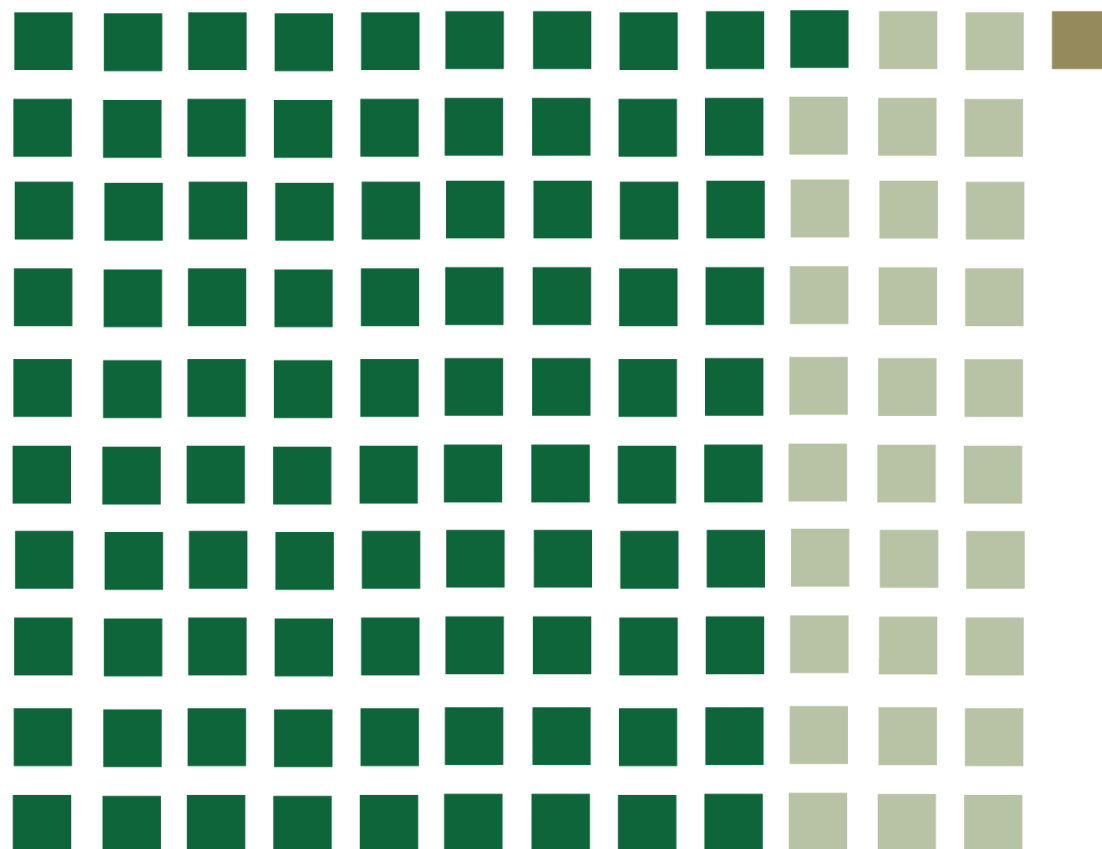
## Size of sites: Europe



**Protected areas vary dramatically in size  
and number across countries.**

# Europe

# Number of sites: Europe



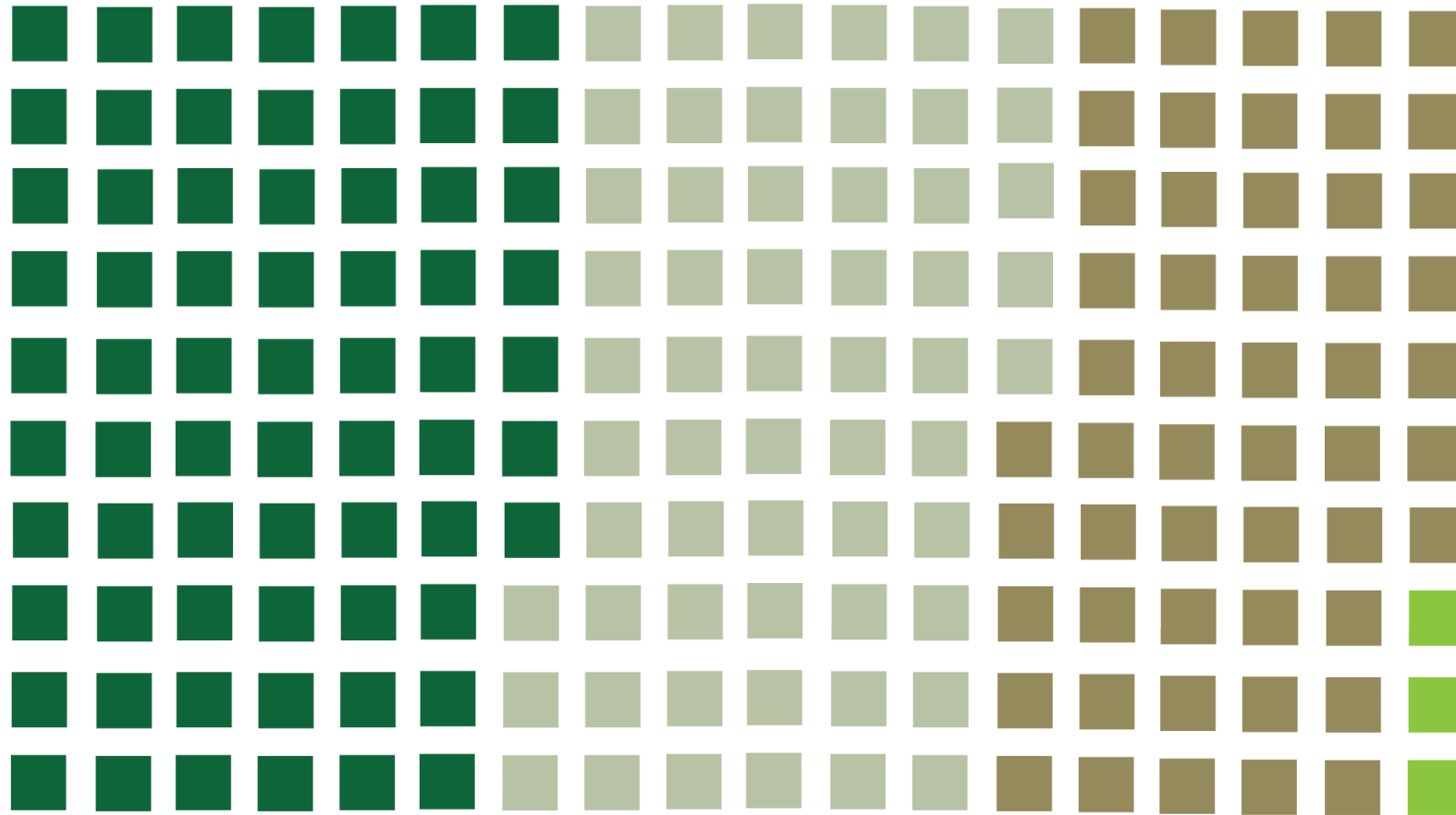
National
  Regional
  International

91 288

29 274

1 129

# Area of sites: Europe



Only National (38%)
  Overlap (International/Regional/National) (27.2%)

Only Regional (33%)
  Only International (1.8%)
 one grid = 10 000 km<sup>2</sup>

# Natura 2000/Emerald



**The Natura 2000 network adds significantly to the protected area network at the European level. It operates at the biogeographical level.**

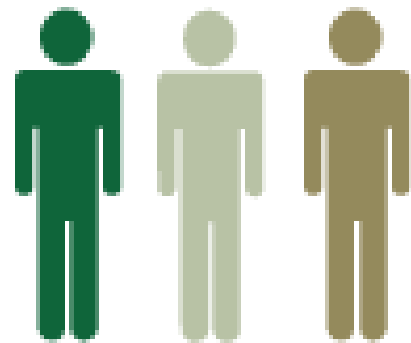
**Over 27,000 protected areas covering 18% of the terrestrial realm of the EU 28, there is significant overlap with national sites in some countries and very little in others**

# How do sites get into the WDPA?

## Number of sources of data for National designations in Europe (Workshop countries)



## Number of sources of data for regional designations in Europe (Workshop countries)



EEA: Natura 2000 sites (12 countries)



HELCOM MPAs (3 countries)

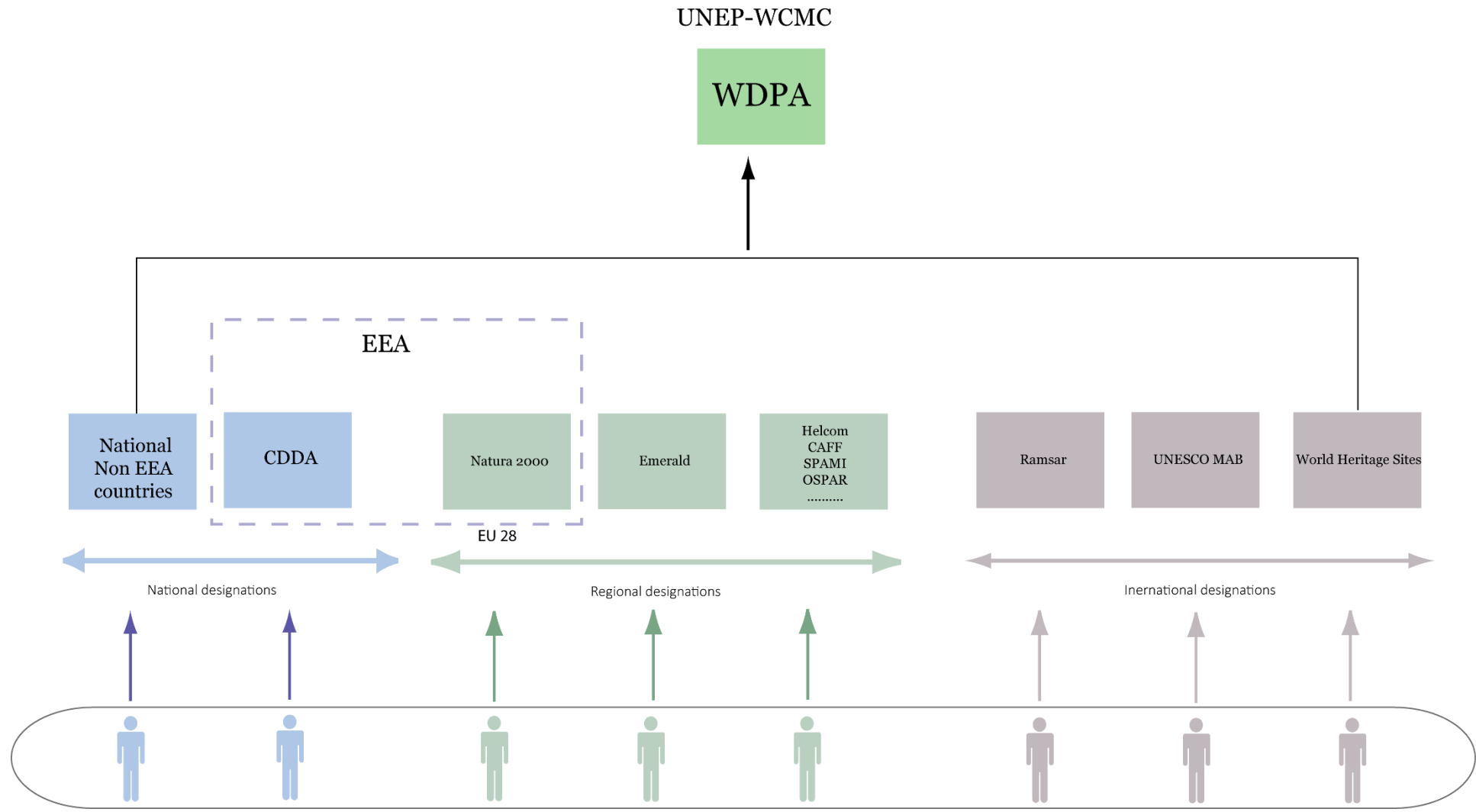


Barcelona Convention (1 country)

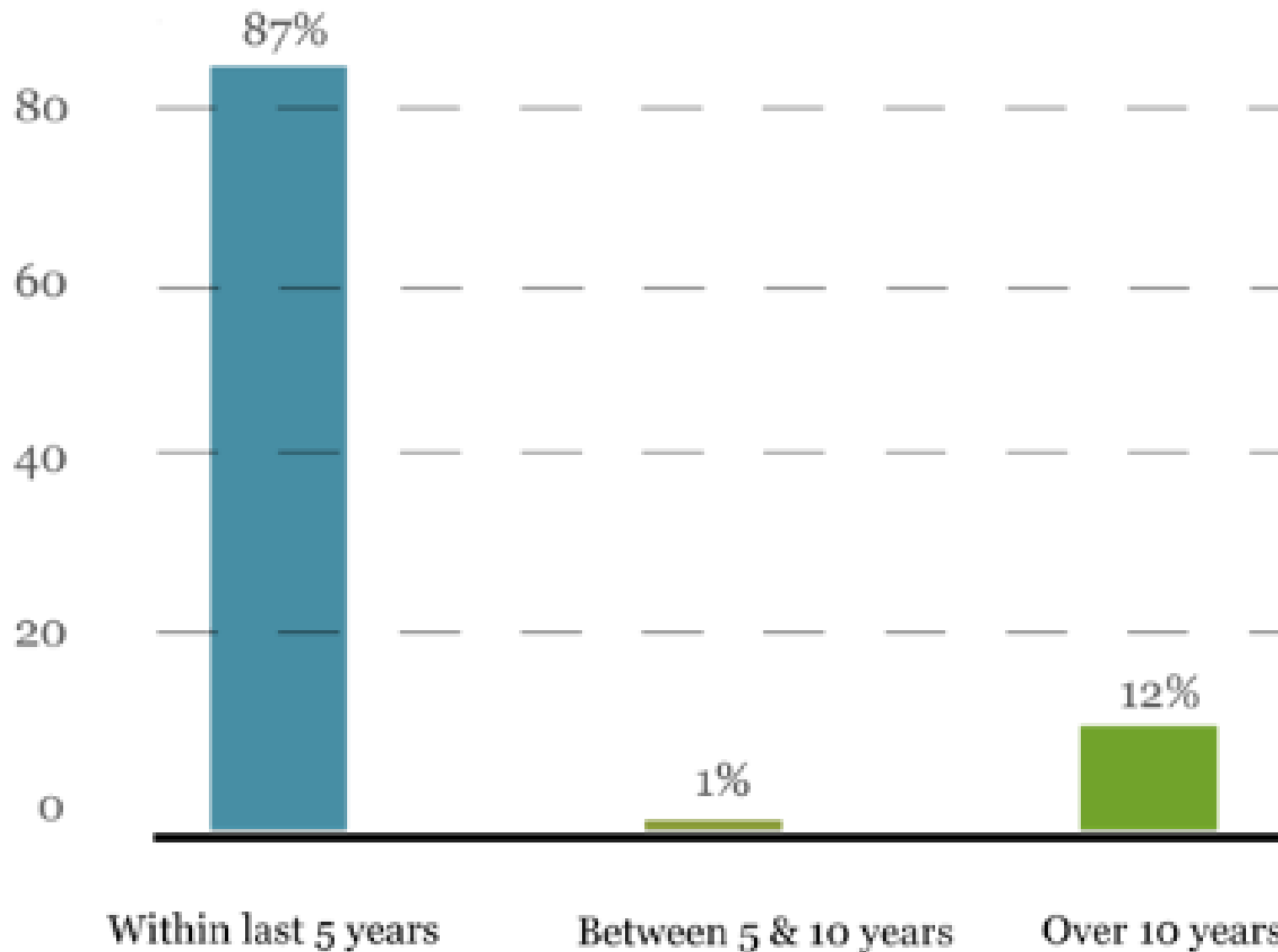
## Number of sources of data for international designations in Europe (Workshop countries)



# Protected Areas in Europe



## Percentage of records updated



# Challenges



# Challenges

Lack of update of data

Lack of capacity to deliver data

Lack of capacity to have data centrally located

**Protectedplanet.net**



## Start Exploring

Search the protected areas of our planet

Q Search

Download the WDPA dataset



You can  
areas by

.CSV

.KML

.SHP

File Geodatabase

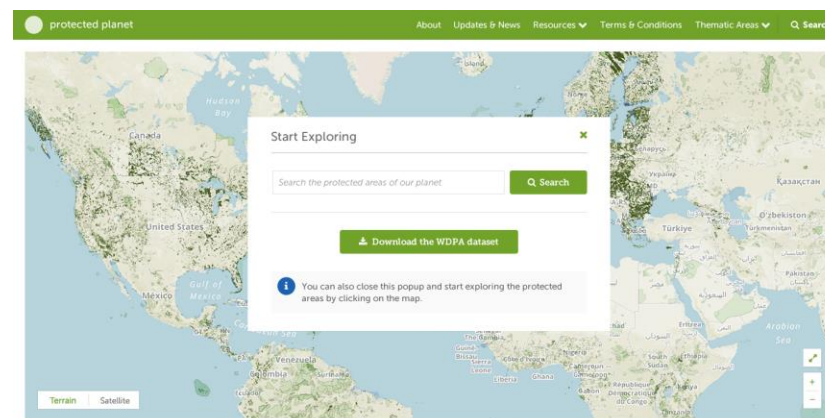
ESRI Web Service

Terrain

Satellite



# Data



# Content

## Discover our Thematic Areas



### WDPA

Proin vehicula libero et sem tincidunt consequat vel ut dui. Maecenas lacus est, tempor et diam id, volutpat malesuada diam. Vestulum...

[Learn more](#)



### PARCC

Duis consectetur massa eget ex bibendum, vel feugiat mi ornare. Cras placerat vestibulum congue. Curabitur dictum tempor elit eget...

[Learn more](#)



### ICCAs

Proin vehicula libero et sem tincidunt consequat vel ut dui. Maecenas lacus est, tempor et diam id, volutpat malesuada diam. Vestulum...

[Learn more](#)

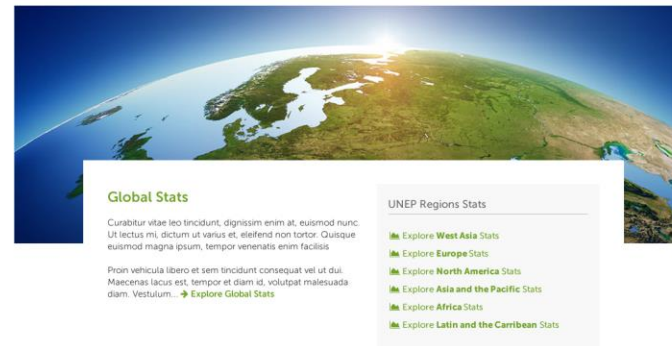


### WDPA

Proin vehicula libero et sem tincidunt consequat vel ut dui. Maecenas lacus est, tempor et diam id, volutpat malesuada diam. Vestulum...

[Learn more](#)

## Protected Planet Statistics



# Statistics



# World Database on Protected Areas

World Heritage site
Natura 2000 sites
Ramsar sites (Wetlands of International Importance)
Man and the Biosphere Reserves
Specially Protected Areas of Mediterranean Importance
HELCOM

## Natura 2000 sites

Natura 2000 is a European (EU 28) ecological network of terrestrial, coastal and marine protected areas that protect the most valuable and threatened **habitats** and **species** across Europe. The Natura 2000 network is underpinned by two European Directives: the Birds Directive and the Habitats Directive which are part of the Nature Directives. Under the Habitats Directive, Member States propose sites as **Sites of Community Importance (SCI)**. Once the SCIs are accepted by the Commission, Member States designate them as legally protected **Special Areas of Conservation (SACs)**. Under the Birds Directive, Member States can directly designate **Special Protection Areas (SPAs)** under their jurisdiction which will be approved by the Commission. Collectively the sites designated under both Directives make up the Natura 2000 network.

For more information visit the [Natura 2000 page](#) on the [Biodiversity A to Z](#) or visit the [Natura 2000](#) page on the European Commission.

### Natura 2000 in the WDPa

To see a list of all Sites of Community Importance (SCI) in the WDPa click [here](#). For a list of all Special Protection Areas (SPAs) in the WDPa click [here](#).



[Home](#) > [Resources: Updates & News](#) > June update of the WDPa

June update of the WDPa
May update of the WDPa
April update of the WDPa
March update of the WDPa
February update of the WDPa
January update of the WDPa

## June update of the WDPa

The total number of protected area records in the June 2016 release of the WDPa is **229,593** comprising of **210,618** polygons and **18,975** points.

### Highlights:

**Australia:** Minor update to correct several duplicate sites.

**Guernsey:** Addition on 1 **Ramsar site** to Guernsey (a Crown dependency of the United Kingdom of Great Britain and Northern Ireland).

**Canada:** This reflects a complete update of nationally designated data for Canada (excluding Quebec which has a separate delivery). The current update adds 173 Protected Areas to the WDPa while 39 sites have been removed, all remaining sites have been updated. The largest increase in sites have been in Nova Scotia where 88 new protected areas have been added and in Prince Edward Island where 22 new protected areas have been added. A total of 18 protected areas have been removed from the Northwest Territories, all of these sites were designated as Gwich'in Conservation Zones or Gwich'in Heritage Conservation Zones. In Canada where a site covers both the terrestrial and marine realms the site is split into a marine and a terrestrial components and are attributed separately and these have all been given a separate WDPa\_PID.

**United States of America:** There has been a significant update of all nationally designated sites for the USA, **Palau** and the **Federated States of Micronesia** - all supplied by the US Geological Surveys National Gap Analysis Program ( **GAP** ). The USA data covers in addition to the 50 states and the federal district of Washington, D.C. the following unincorporated territories: **American Samoa, US Virgin Islands, Guam, Northern Mariana Islands, Puerto Rico** and the **United States Minor Outlying Islands**. The number of record for the USA has increased by nearly 10,000, with just under 14,000 records being added and just over 5,700 records being removed. All other sites have been updated. The designations most responsible for the increase are "Environmental Systems" and "Easements". The US has reviewed their entire protected area system and based upon their expert judgement added a number of sites to the WDPa that they state meet the IUCN Protected Area definition. The largest increase in number of sites have been in in the US states of Michigan (over 1,800) and Massachusetts (over 1,400)

**Palau:** Update of boundaries and two sites (**Fana Island**, **Helen Reef**) have had a technical correction with regard to their Parent ISO3 code which has changed from USA to PLW.

Official Record for **Nalibokskiy**

Belarus, Europe

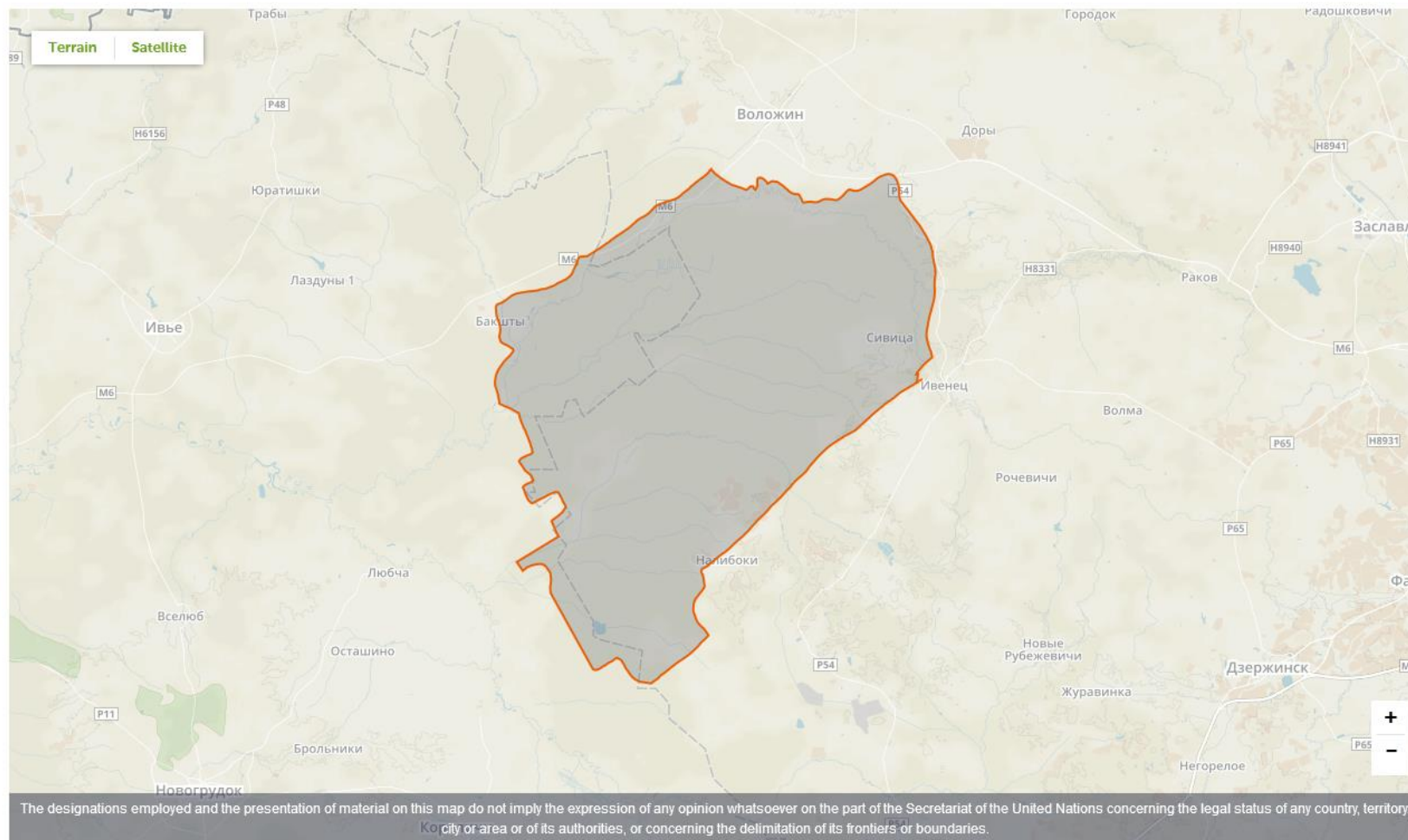
WDPA ID 93947  
Reported Area KM<sup>2</sup> 854.0  
English Designation Nature Sanctuary or Partial Reserve  
IUCN Category IV

**Data Provider**

Department of Environment and Protection, Belarus

Status	Type of Designation
Designated	National
Status Year	Sublocation
1960	BY-MI
Governance Type	
Not Reported	

95.0% Data Complete



# Belarus, Europe

## Number of Protected areas

458

## Polygons/Points ratio



27%

Polygons

73%

Points

## Number of sources

For International designations 3

For National designations 4

TOTAL 7

## Protected areas coverage



Area terrestrial (Ref 1 ↓)



9.0%

coverage

17,762 km2

Land Area Protected

207,228 km2

Total Land Area



Area marine



0.0%

coverage

0 km2

Marine Area Protected

0 km2

Total Marine Area

## Protected Area Management Effectiveness (PAME) (Ref 2 ↓)

47.2%

Overall average score. This is an average against 36 separate indicators of management effectiveness.

6437.55km2

of land assessed

25

PAME assessments undertaken

12

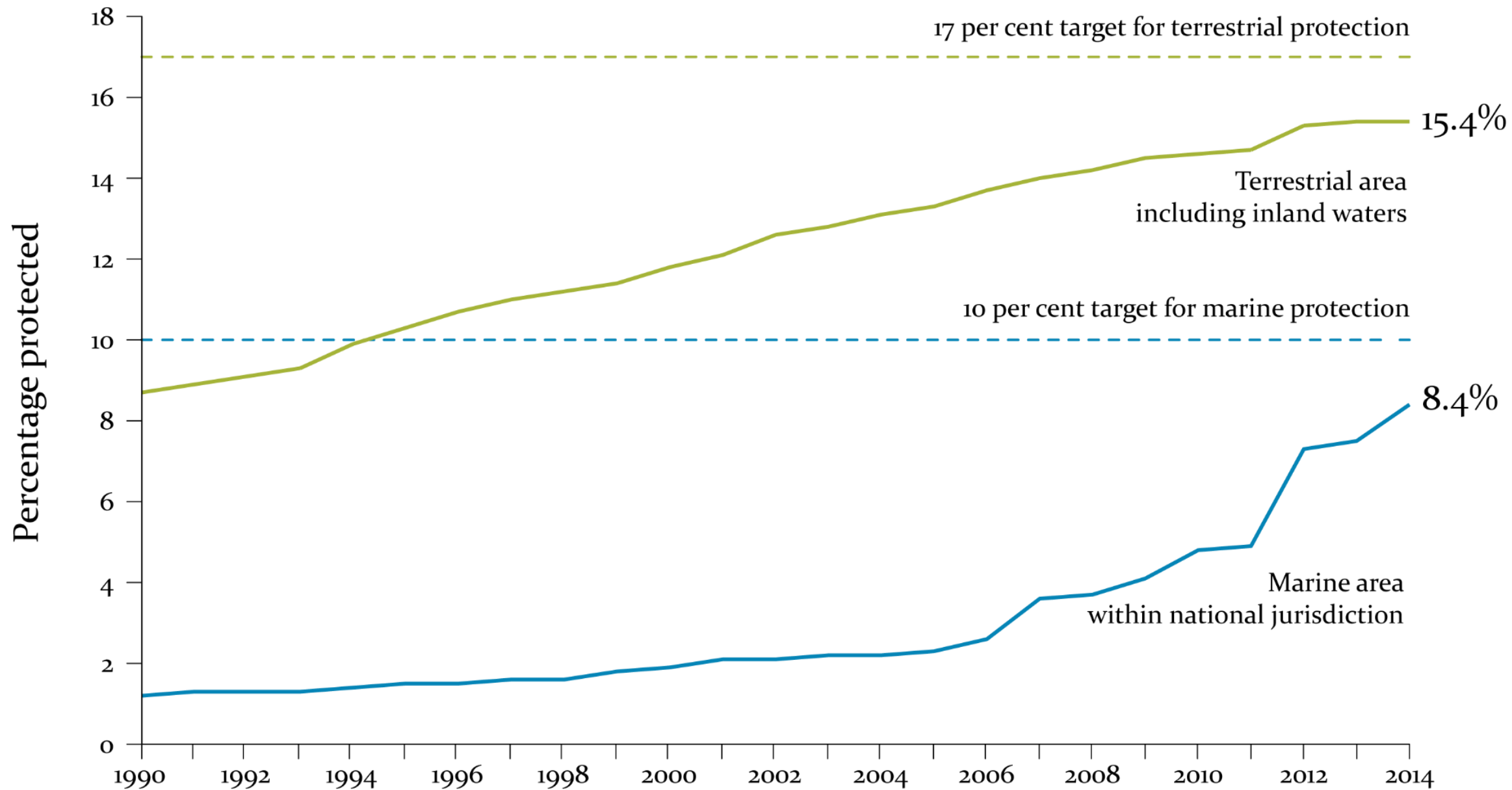
Protected areas assessed

## Target 11





By 2020, at least 17 per cent of terrestrial and inland water areas, and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscapes and seascapes.



**Not just how much but where, how, why**

**Not just formally gazetted protected area but Other  
Effective area-based Conservation Measures (OECM)**

**Need to be well managed**

**Need to be equitably managed**

**Need to be ecologically representative**

# Uses of Protectedplanet

# Track progress towards global biodiversity targets – **Aichi Target 11**, Sustainable Development Goals (SDGs)

Provide information to help understand, identify gaps and act to fill them

## Protected Planet Report 2014

Tracking progress towards global targets for protected areas



## Asia Protected Planet Report 2014

Tracking progress towards targets for protected areas in Asia



## Protected Area Governance and Management

Editors: Graeme L. Worboys, Michael Lockwood, Ashish Kothari, Sue Feary and Ian Pulford



## Publications & indicators

- Sustainable Development Goals
- CBD Aichi Targets
- Global Biodiversity Outlook
- Protected Planet Report (bi-annual)
- Global Reporting Initiative

## Online systems

- DOPA
- Protected Planet
- IBAT

## Multiple sectors

- Business, bank & industry users
- Scientists & researchers
- Government, NGO & communities



# Protected Areas Programme, UNEP-WCMC

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

