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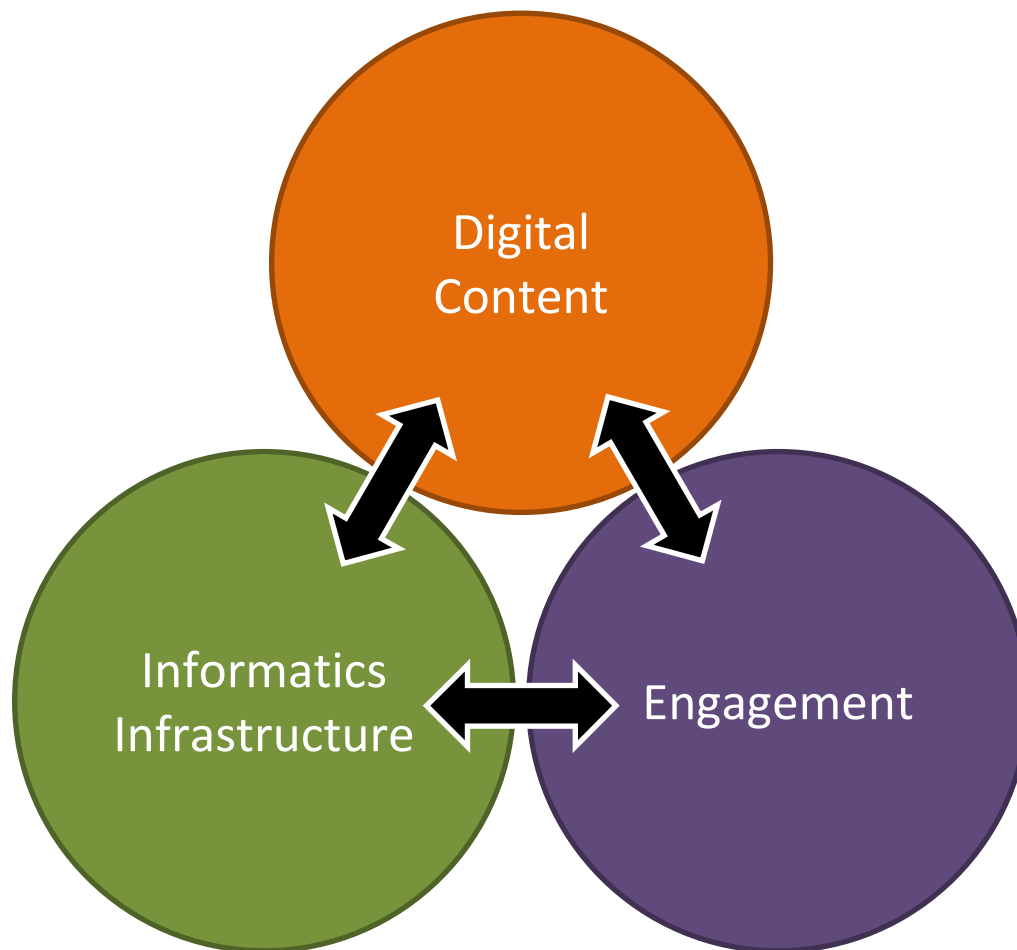
## Leveraging government investment in data mobilization, informatics standards and capacity to support IPBES

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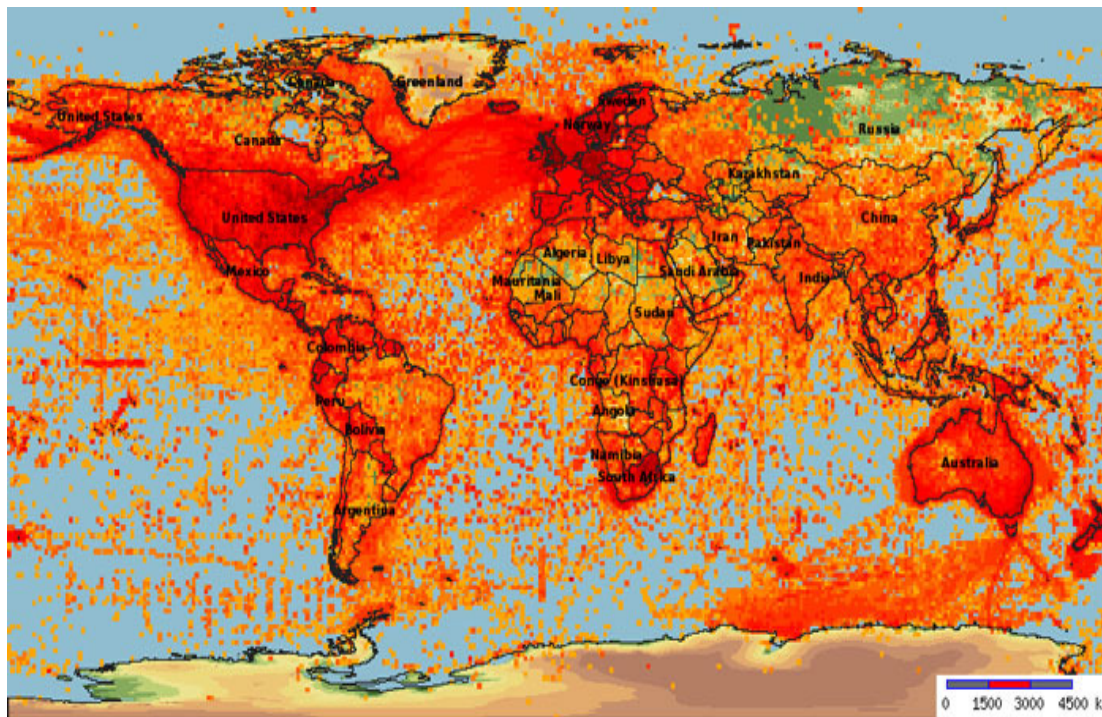
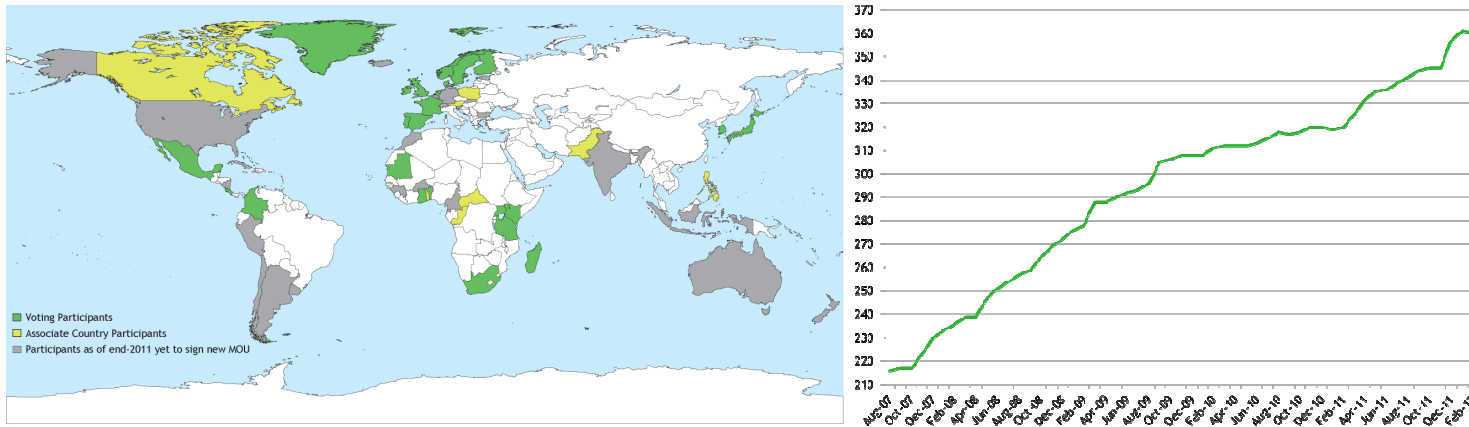
Donald Hobern (dhobern@gbif.org)  
GBIF Director  
Global Biodiversity Information Facility (GBIF)

18 April 2012

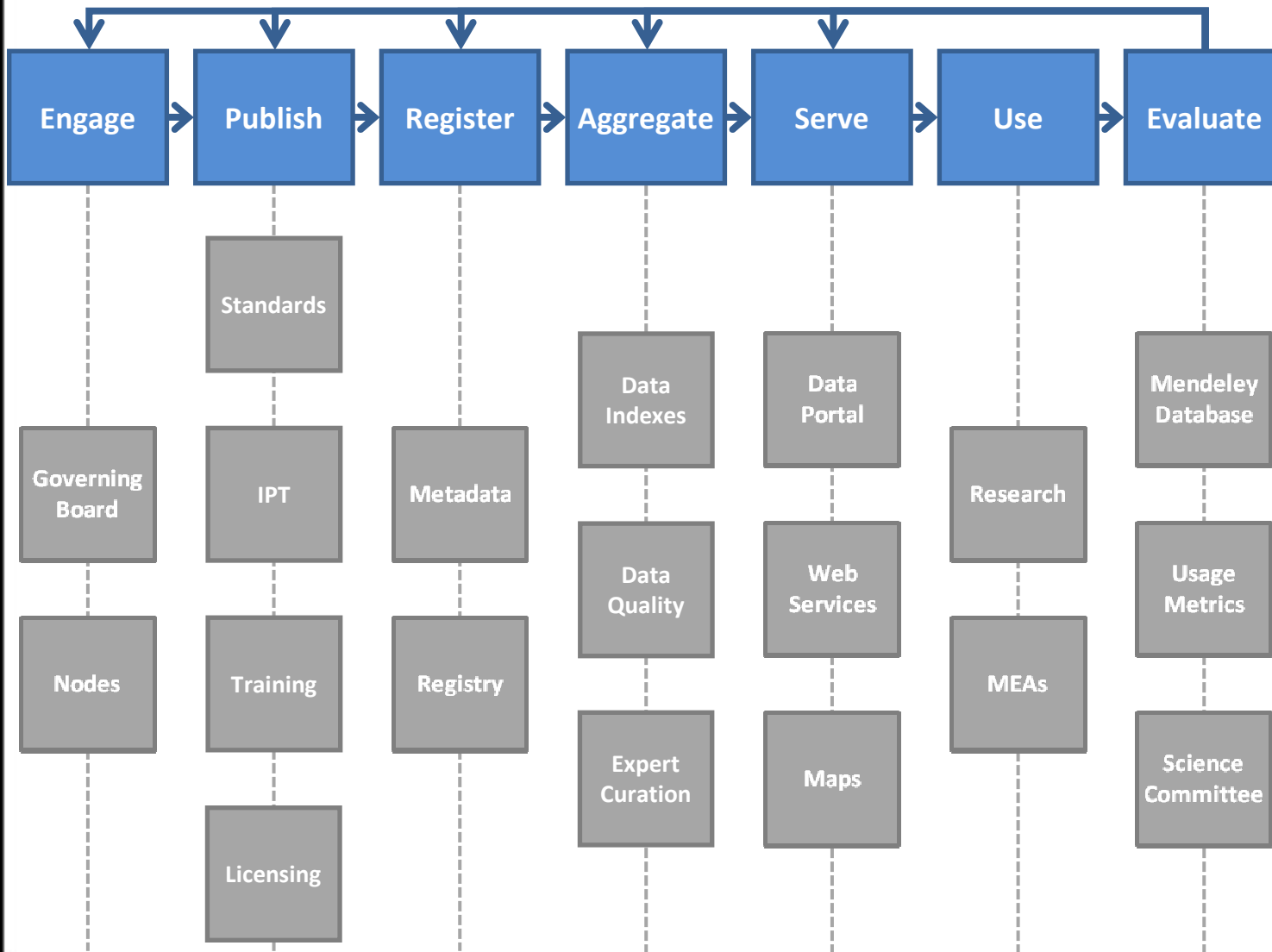
# GBIF Strategic Imperatives



# GBIF status (end 2011)

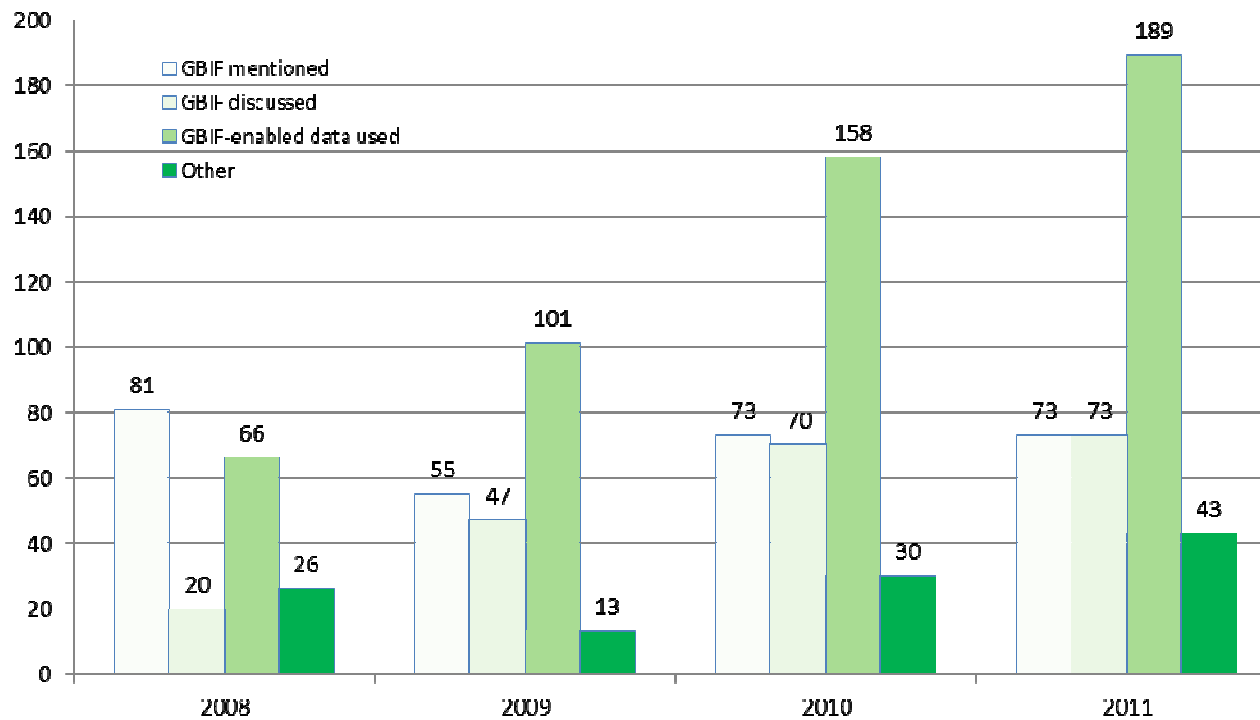


# Data pathway





# Increasing use of data

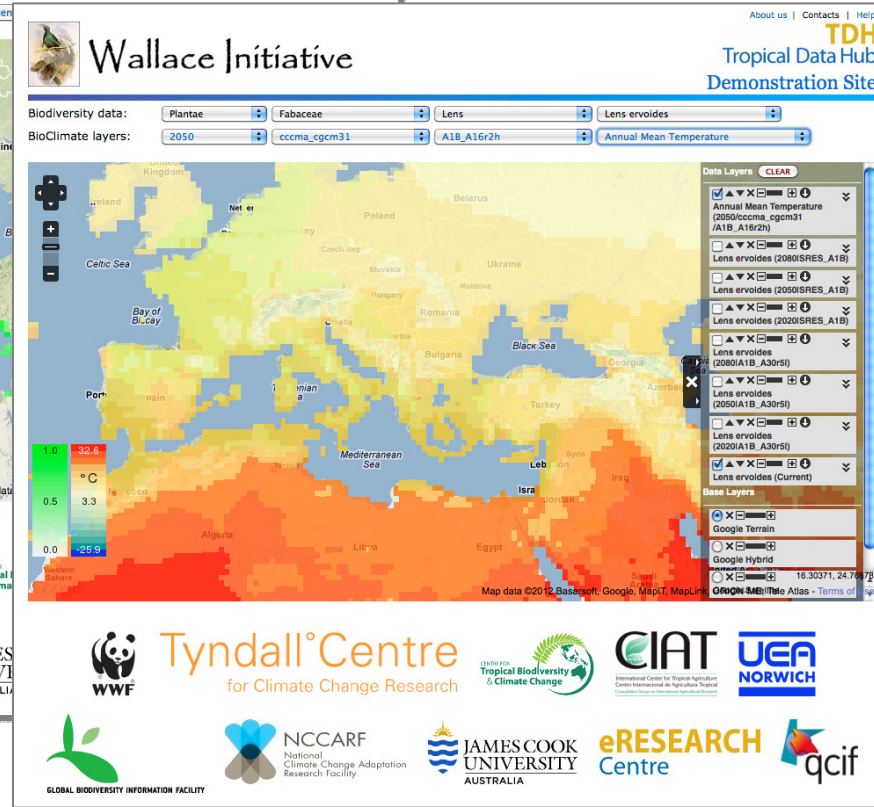
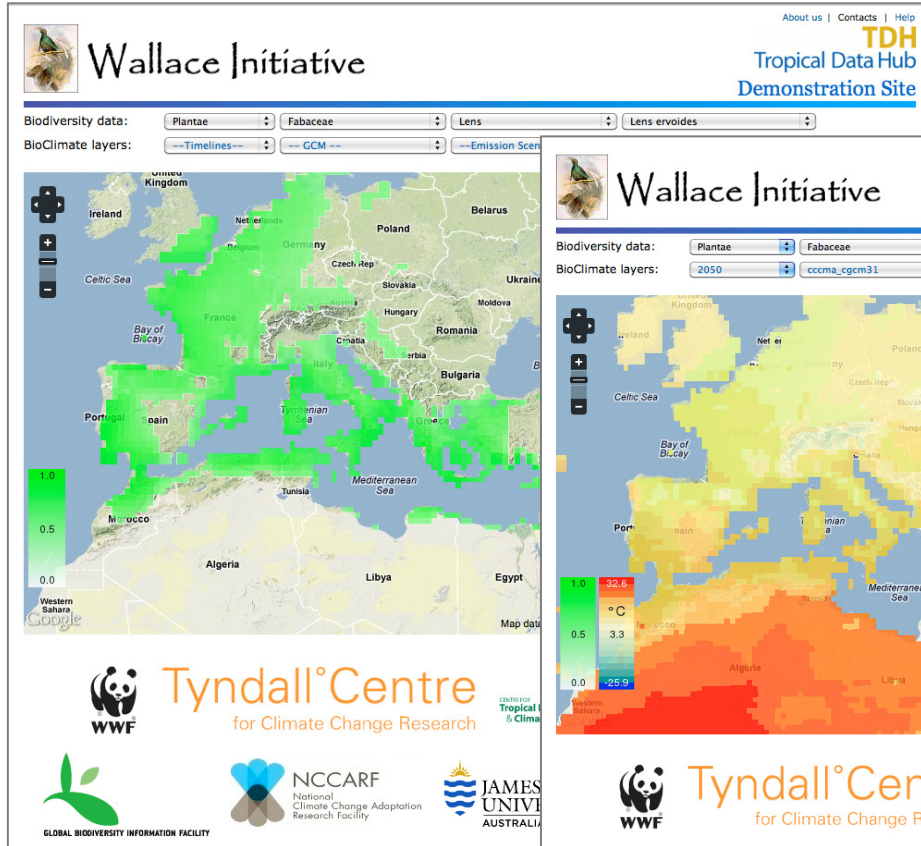


## Scientific papers referencing GBIF and using GBIF data:

- **Ecological Niche Modeling** (e.g. climate change, invasive species)
- **Agriculture**
- **Taxonomy** (and identification of species)
- **Conservation actions**
- **Biodiversity inventory** (survey, species distribution)
- **Intra-specific variation** (genomics, molecular biology)
- **Human health**



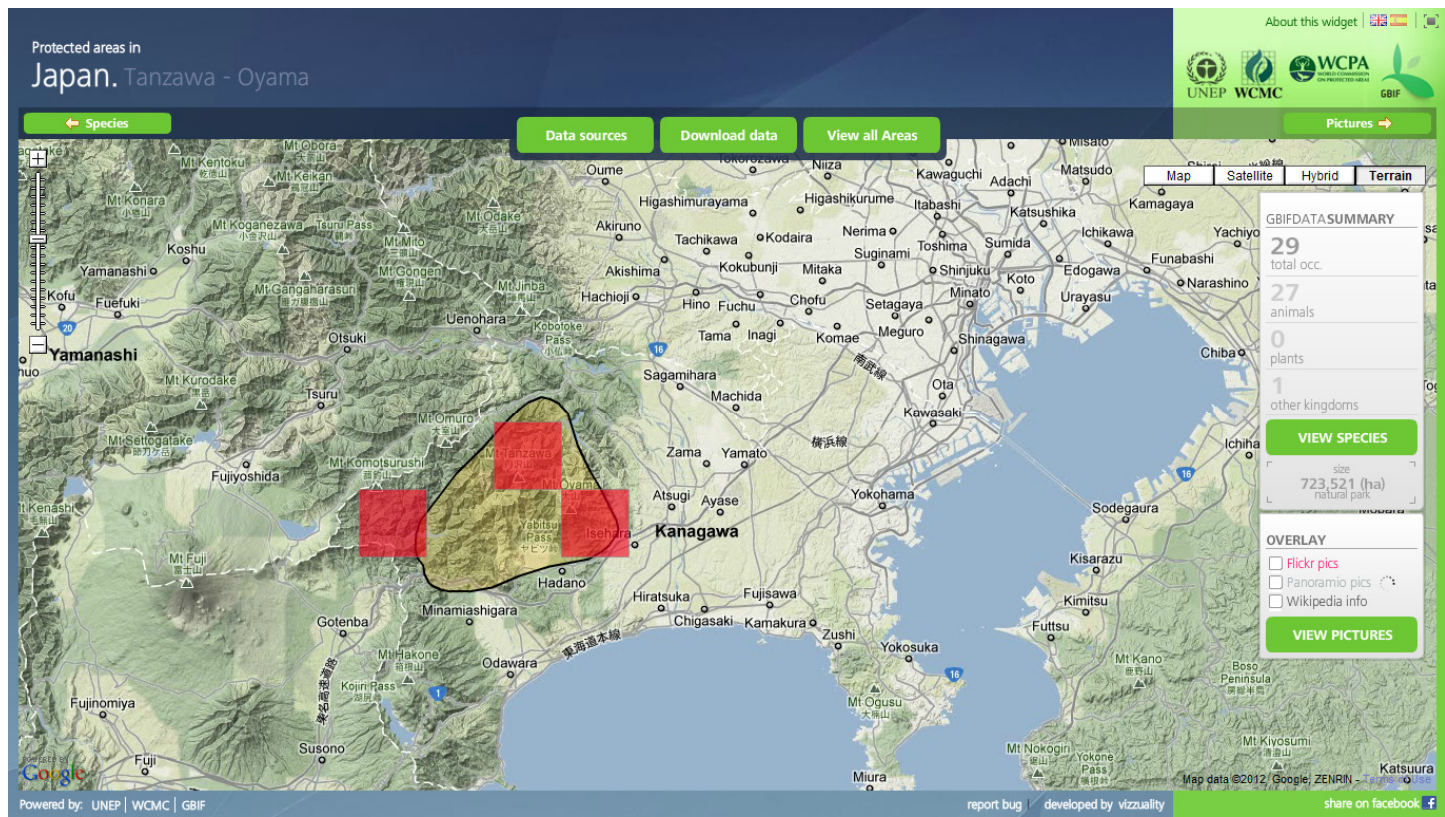
# Uses: Wallace Initiative



Projecting future changes in species distribution



# Uses: WDPA



Integration of GBIF data with World Database of Protected Areas

# Uses: GROMS

**GROMS**  
GLOBAL REGISTER OF MIGRATORY SPECIES

zoom terrain satellite map home species about fullscreen

Seals and sirenia · Mammalia  
**Monachus monachus**  
[EN] Mediterranean monk seal

map by: Ridgway, Harrison SR, 1981  
migration Type: range extension

CMS: App I & II  
Red List 2000: (CR) Critically Endangered  
[More info](#)

Monachus monachus  
[en] Mediterranean monk seal

unknown

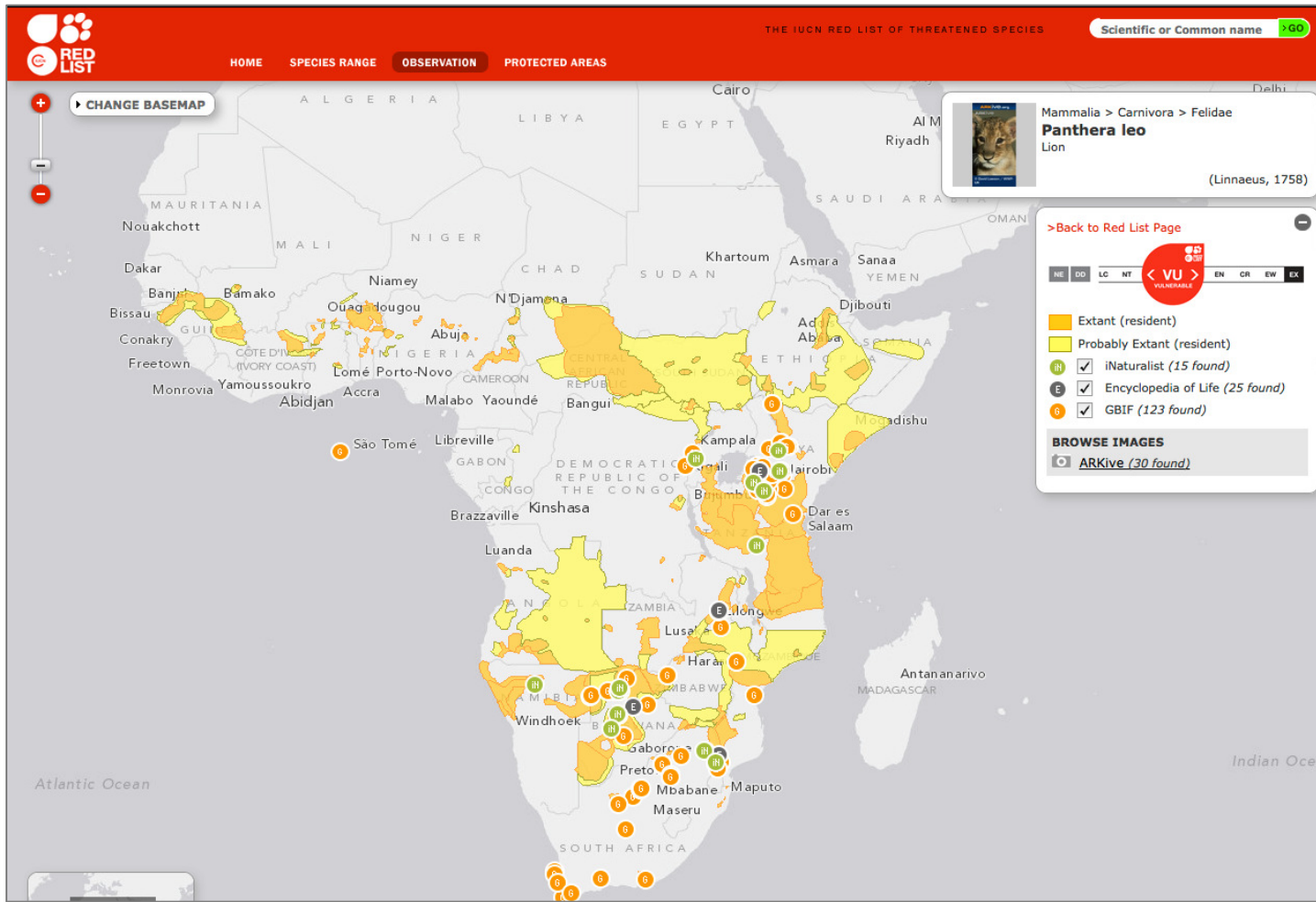
**207**  
GBIF RECORDS

Integration of GBIF data with Global Register of Migratory Species






# Uses: Red List




Integration of GBIF data with IUCN Red List




# Uses: Invasive Alien Species

  
UNEP



**CBD**

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**Convention on  
Biological Diversity**

Distr.  
GENERAL

UNEP/CBD/SBSTTA/15/INF/14  
21 October 2011

ENGLISH ONLY

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SUBSIDIARY BODY ON SCIENTIFIC,  
TECHNICAL AND TECHNOLOGICAL ADVICE  
Fifteenth meeting  
Montreal, 7-11 November 2011  
Item 4.1 of the provisional agenda\*

**JOINT WORK PROGRAMME TO STRENGTHEN INFORMATION SERVICES ON  
INVASIVE ALIEN SPECIES AS A CONTRIBUTION TOWARDS AICHI  
BIODIVERSITY TARGET 9**

*Note by the Executive Secretary<sup>1</sup>*

**I. INTRODUCTION**

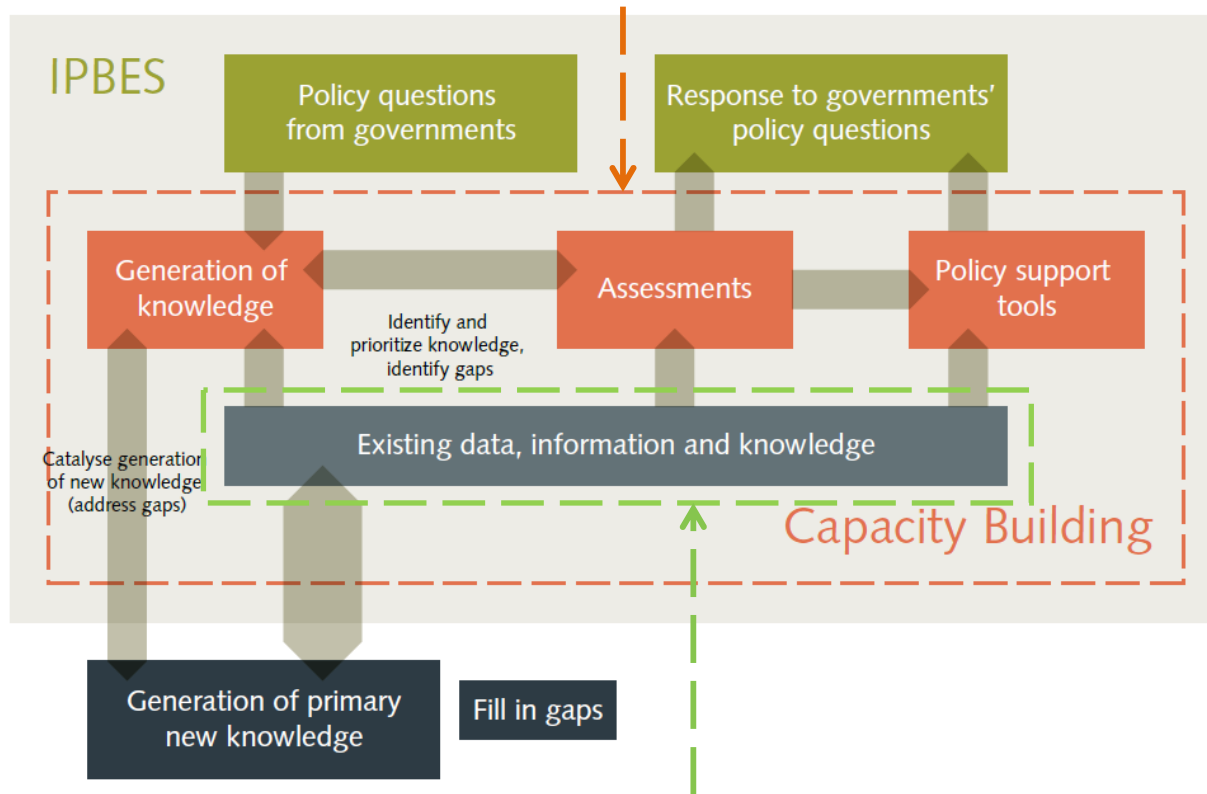
1. This document presents the joint work programme to strengthen information services on invasive alien species as a contribution towards Aichi Biodiversity Target 9 further to the Informatics Expert Meeting on Invasive Alien Species held on 5-6 September 2011 in Copenhagen.<sup>2</sup> This joint work programme has been elaborated by the following major information services providers:

- (a) The Global Biodiversity Information Facility (GBIF);
- (b) The Invasive Species Specialist Group of the Species Survival Commission of the International Union for Conservation of Nature (IUCN/SSC ISSG);
- (c) CABI;
- (d) FishBase;
- (e) Delivering Alien Invasive Species Inventories for Europe (DAISIE);
- (f) The European Network on Invasive Alien Species (NOBANIS );
- (g) The Global Invasive Species Information Network (GISIN);
- (h) The IABIN<sup>3</sup> Invasives Information Network (I3N).



# Policy, science and data

- IPBES to operate at science-policy interface



- GBIF is one of the components operating at data-science interface
  - Deliver data sets aligned with IPBES assessment needs

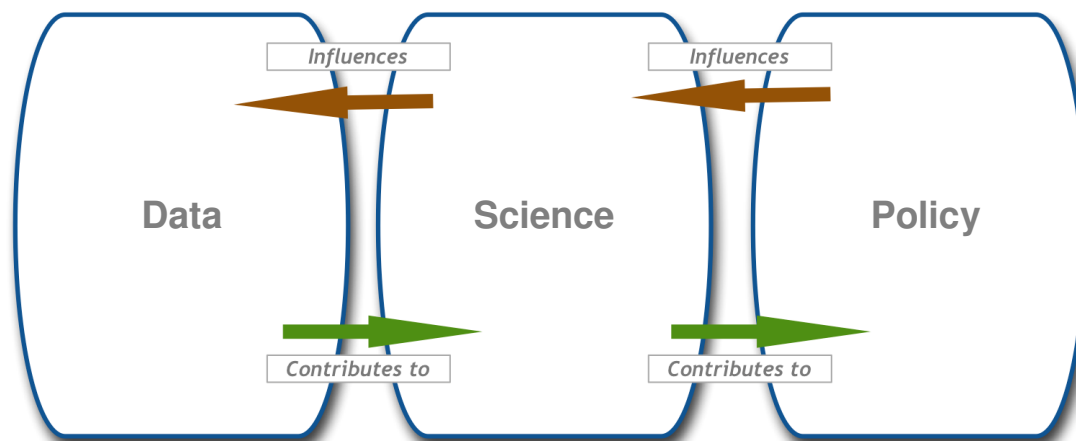




# Contributions to IPBES

Existing data networks can contribute through:

- Data standards
- Tools for data publishing and data management
- Training and support for data publishing and use
- Catalogues of data resources
- Networking at national, regional and global levels
- Access to aggregated data



# Benefits from IPBES

IPBES can benefit existing data networks through:

- Inter-governmental framework for coordinated activity
- Definition of science-driven priorities for data
- Alignment of national, regional and global assessment activities

