



ViBRANT

Virtual Biodiversity

**8th e-Infrastructure Concertation Meeting
CERN, Geneva, November 4-5th 2010**

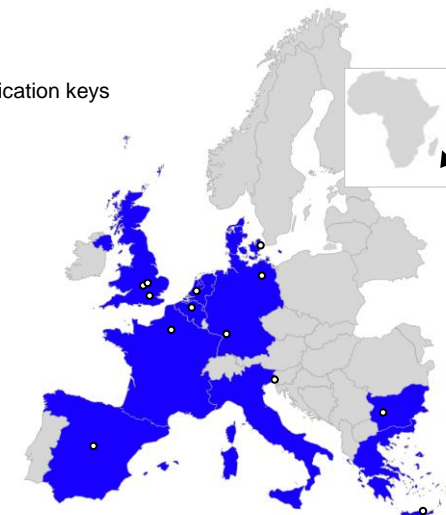
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Who we are

17 partners, 9 countries

- The Natural History Museum, London (NHM)
 - Scratchpad VRE development & management
- Hellenic Center for Marine Research, Crete (HCMR)
 - Extension into ecol., con. & citizen science, esp. marine biodiversity
- Royal Belgian Institute of Natural Sciences (RBINS)
 - Training, outreach & community support
- Oxford e-Research Centre (UOXF.E9)
 - Mol. ID tools, services and data analysis
- Vrije Universiteit Amsterdam (VU)
 - User studies (sociological studies of user practices)
- Julius Kühn-Institute (JKI)
 - Data integration via controlled vocabularies & ontologies
- Museum für Naturkunde, Berlin (MFN)
 - Biodiversity inventorying & monitoring (mobile devices)
- University of Amsterdam (UvA)
 - Standards development (PESI)
- The Open University (OU)
 - Data mining and bibliographies (BHL)
- Karlsruher Institut für Technologie (KIT)
 - Document Markup & natural language text processing
- Vizzuality (Vizz)
 - Data visualisation & analysis (data layers)
- Pensoft Publishers (PENSOFT)
 - Push-button manuscript submission from the Scratchpad VRE

- Université Pierre et Marie Curie-Paris 6 (UPMC)
 - Morphological identification keys and services (Xper²)
- Global Biodiversity Information Facility (GBIF)
 - Controlled vocab. dev. & userbase expansion via GBIF nodes
- Freie Universität Berlin (BGBM)
 - Data aggregation portal via CDM
- Université de la Réunion (UdIR)
 - Mathematics & HCI of taxonomic identification keys
- University of Trieste
 - Key2Nature integration & outreach



Audience

- Biodiversity scientists
- Professional “amateurs”
- Citizen scientists

Current users

- 2,392 core users
- 192 biodiversity communities
- Tens of thousands through partner networks

ESFRI collaboration...

- LifeWatch - prototype service centre
- ELIXIR - taxonomic metadata services
- EMBRC - marine model organism research

Wider collaboration...

- GBIF - thesauri, nodes & data recording
- PESI, 4D4Life & related EU projects
- EOL, CBoL & BHL
- SANBI & Atlas of living Australia

What we do

Connecting people...

ViBRANT connects people studying biodiversity regardless of their location. Each community website (*Scratchpad*) contains tools and services that enable users to study biodiversity in all its different facets.

Connecting data...

Information about biodiversity is scattered in a myriad of different places. ViBRANT helps defragment this information providing a window on the natural world that can be filtered according to users needs.

Connecting science...

ViBRANT bridges the gap between the producers & consumers of taxonomic information, providing the tools to help explain & predict the distribution of life on Earth.

E-Infrastructure products

- A Virtual Research Environment ([Scratchpads](#)) where users can safely store, share and manage data.
- [Analytical services](#) for users to build identification keys and phylogenetic trees.
- A [publication platform](#) for users to automatically compile manuscripts from their research database.
- A [portal](#) for users to centrally access publicly accessible biodiversity research information and literature.
- [Training, support & sociological study](#), helping research communities to use these tools and services.
- A standards compliant [technical architecture](#) that can be sustained by biodiversity research community.

Example community products

- [eBooks](#), [eJournals](#), [conservation assessments](#), [flora and faunal studies](#), [long term data monitoring repositories](#), [communitie vocabulariers](#), [identification guides](#), [citizen science projects](#).

More at <http://vbrant.eu>
Or enquiries@vbrant.eu