

BID-REX Interregional thematic workshop

IMPROVING DATA FLOWS



OpenBioMaps for biodiversity data flow

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&
OpenBioMaps
database framework

What is OpenBioMaps?

1.

Free and open-source software suits

a database application framework

What is OpenBioMaps?

2.

Public Database/Data management Services

What is OpenBioMaps?

3.

Formal collaboration of governmental, non-governmental and scientific organizations for *Improving Biodiversity Data Flow*

What is OpenBioMaps?

- 1) Free and open-source software suits; a database application framework
- 2) Public database/data management services
- 3) Collaboration of governmental, non-governmental and scientific organizations for improving biodiversity data flow

operational framework



web services



application framework

operational framework



web services



application framework



own open-source (web) applications

standard open-source applications

OBM web application suite features

- web based data management application
- interface for the integrated standard applications
- API interface
- Persistent IDentifiers

data management application

- data management application for
 - importing data,
 - organizing data,
 - visualizing data (maps),
 - sharing data

standard server components

Data visualization and management

using integrated standard applications:

- PostgreSQL
- MapServer

API interface

- API interface - connecting third party applications
 - mobile client
 - R client
 - other user contributed software

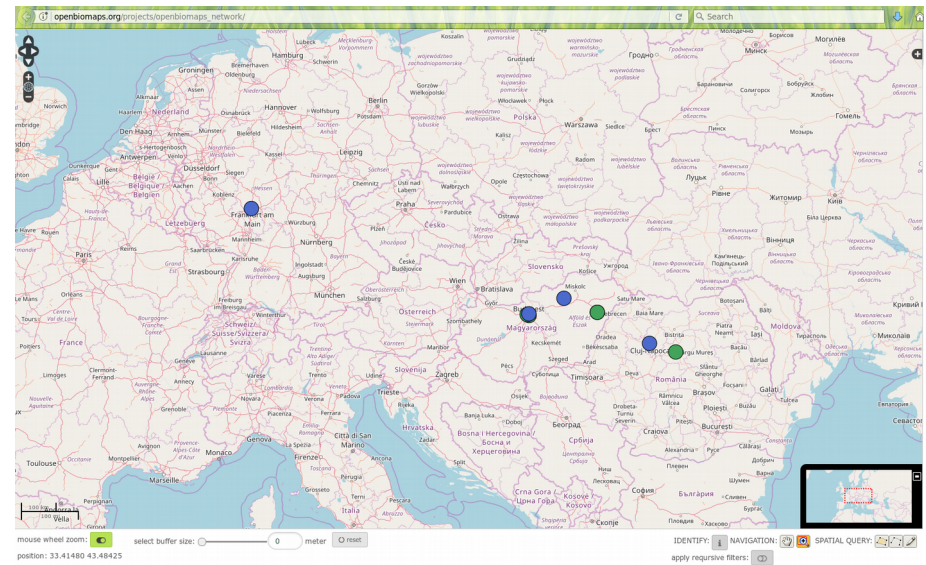
Persistent IDentifiers

- Persistent IDentifiers
 - Data connections through PID databases (DOI,...)

OBM Services

Public services based on OBM Web Application Suite
Providing public database management solution for

- researchers
- conservation experts
- independent servers,
- independent databases,
- coherent network



OBM Consortium

- Hosting and maintaining servers for public OBM services
- Controlling the application development

*University of Debrecen, Danube-Ipoly National Park,
Eötvös Loránd University, WWF Hungary, Milvus Group
Association, Eszterházy Károly University, Danube-
Dráva National Park*

OBM history

Who uses it?

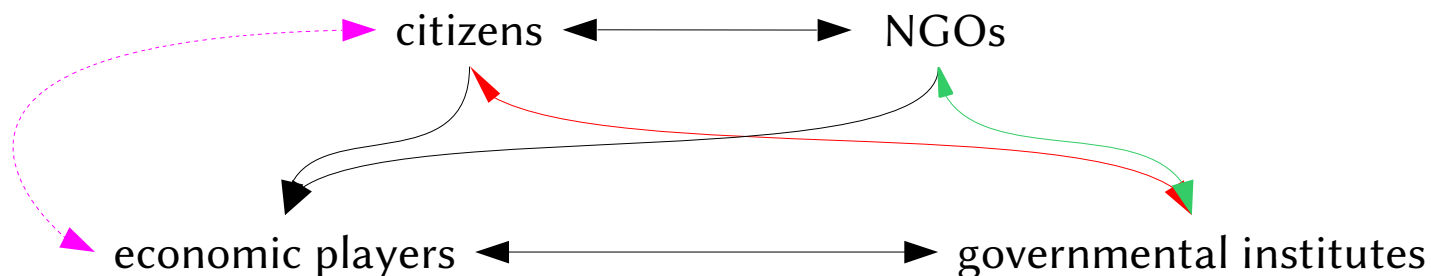
How is it used?

- Conservation
 - governmental institutes: National Parks
 - conservation NGOs
- Research
 - Academic research
 - Citizen science projects
- Education

Global shift in conservation efforts and communication

- 1872 first national parks
 - governmental → civilian
- 1962 silent spring; global civilian movements
 - civilian → governmental
- 1990 FSC, 1996 MSC
 - civilian → economy

- 2010s



new economical view

- open-source, distributed development:
 - reduced development costs
- various usage possibilities
 - opens new ways of development
- collaborative management & distributed operation:
 - reduced regular costs
 - opens unpredicted ways of collaborations

For improving biodiversity data flow
we might acquire a new economical view

OpenBioMaps can be an example for it

Thank you!

<http://openbiomaps.org>