INNOVATIVE DATA MANAGEMENT SERVICES FOR AQUACULTURE, FISHERIES & EDUCATION

@BlueBridgeVREs
www.bluebridge-vres.eu
BlueBRIDGE: Building research environments fostering Innovation, Decision making, Governance and Education for Blue Growth

BlueBRIDGE delivers tailor-made data management services to different communities (aquaculture, ecosystem approach to fisheries and research sector) and stakeholders (international organisations, research centres, enterprises, etc.).

The BlueBRIDGE services are operated through collaborative web-based research environments also referred to as Virtual Research Environments (VREs) built on top of a hybrid-data infrastructure (D4Science, www.d4science.org).

A VRE is a web-based system that can be accessed on-demand through a simple user interface. It provides researchers and research teams, educators, SMEs, and other types of users from different disciplines, institutions or even countries, with secure access to collaborative tools, services, data and computational facilities meeting their specific needs.

The key distinguishing features of a VRE are:

a. It is a web-based working environment.

b. It is tailored to serve the needs of a community of practice (i.e. a set of individuals who decide to “virtually” connect to solve a specific problem).

c. It is expected to provide a community of practice with the whole array of commodities needed to accomplish the community’s goal(s).

d. It is open and flexible with respect to the overall service offering and lifetime.

e. It promotes fine-grained controlled sharing of both intermediate and final research results by guaranteeing ownership, provenance and attribution.

VRE is the perfect approach to address the challenges of modern science which is increasingly global, multi-disciplinary and networked.

Many of the VREs listed in the diagram are ready to use with some freely accessible to all at i-marine.d4science.org. Try them now and join over 1,400 users already benefitting from BlueBRIDGE!

BlueBRIDGE for Education:

“A common challenge for educators is to set up scientific training that allow students to execute, in parallel, data and processing intensive experiments. Not all institutes have the capability and the resources to support this kind of courses. BlueBRIDGE offers a unique opportunity to professors and educators to set up VREs to run training sessions by exploiting the infrastructure facilities.”

Neil Holdsworth
International Council for the Exploration of the Sea (ICES)

Do you want to see how BlueBRIDGE supports scientific training? Join these two upcoming courses organised by ICES:

- Design and analysis of matching sampling programmes, 12–16 September 2016, Denmark.
- Data-limited stock assessment, 12–16 September 2016, Iceland.

The BlueBRIDGE added value:

- Easy to use services to support researchers, companies (including SMEs) and international organisations.
- A self-sustained underlying infrastructure executing around 36,000 models & algorithms per month.
- Access to over a billion quality records hosted in more than 50 worldwide repositories and to more than 350 geo-referenced chemical and physical variables with global geospatial coverage and with 10 years lifespan through standard and recognized protocols.
- A unique consortium with the right expertise to support practitioners from multiple domains.

Is BlueBRIDGE only for the research sector?

“...the development of the BlueBRIDGE smart solutions will importantly support decision-makers involved in the ecosystem approach to fisheries and aquaculture management, by facilitating the knowledge production chain from the initial phases of data collection, through to aggregation, analysis and the production of indicators for competent authorities and investors.”

Mike Trounce
Chief of the Fishery Statistics and Information Branch
Food and Agriculture Organisation (FAO)

Marc Taconet
Chief of the Fishery Statistics and Information Branch
Food and Agriculture Organisation (FAO)

Kostas Sefeni
CEO
Integrated Information System SA (I2S)
Interested in **BlueBRIDGE**?

- Want access to VREs?  [i-marine.d4science.org](http://i-marine.d4science.org)
- Set up your own VRE?  [info@bluebridge-vres.eu](mailto:info@bluebridge-vres.eu)
- Want more information on BlueBRIDGE?  [www.bluebridge-vres.eu](http://www.bluebridge-vres.eu)
- If want to join us at future events?  [www.bluebridge-vres.eu/events](http://www.bluebridge-vres.eu/events)
- Want real time updates from BlueBRIDGE?  [www.twitter.com/bluebridgevres](http://www.twitter.com/bluebridgevres)

Who’s behind **BlueBRIDGE**?

- **IT Research & Academic Institutions**
  - [National Research Council of Italy](http://www.cnr.it)
  - [FORTH](http://www.forth.gr)

- **Blue Growth related scientific institutions**
  - [Food and Agriculture Organization of the United Nations](http://www.fao.org)
  - [ICES CIEM](http://www.ices-ciem.it)
  - [IRD](http://www.ird.fr)

- **Companies**
  - [ENGINERDING](http://www.engineering.org)
  - [GRID CLS](http://www.gridcls.org)
  - [IRD](http://www.ird.fr)

- **Training, dissemination & outreach specialists**
  - [Pôle Mer](http://www.polemer.fr)
  - [CITE](http://www.cite-telecom.fr)

- **Administration office**
  - [ERCIM](http://www.ercim.org)