



Welcome and overview of the LifeWatch Data Analysis Workshop



Vlaams Instituut voor de Zee vzw
Flanders Marine Institute

- Large-scale European research infrastructure
- Virtual laboratory for biodiversity research
- Will be used for:
 - Biodiversity research
 - Climatological and environmental impact studies
 - Support development of ecosystem services
 - Provide information for policy makers
- Consists of :
 - Biodiversity observatories, data bases, web services and modeling tools, distributed throughout Europe
 - Integration of existing systems, upgrades, new systems
- Keywords: E-science, web services, data services, ICT infrastructure, HPC, GRID, BIG data, workflows
- Goals: increase data generation, real time monitoring data, biosensors

LifeWatch.eu



Participating countries

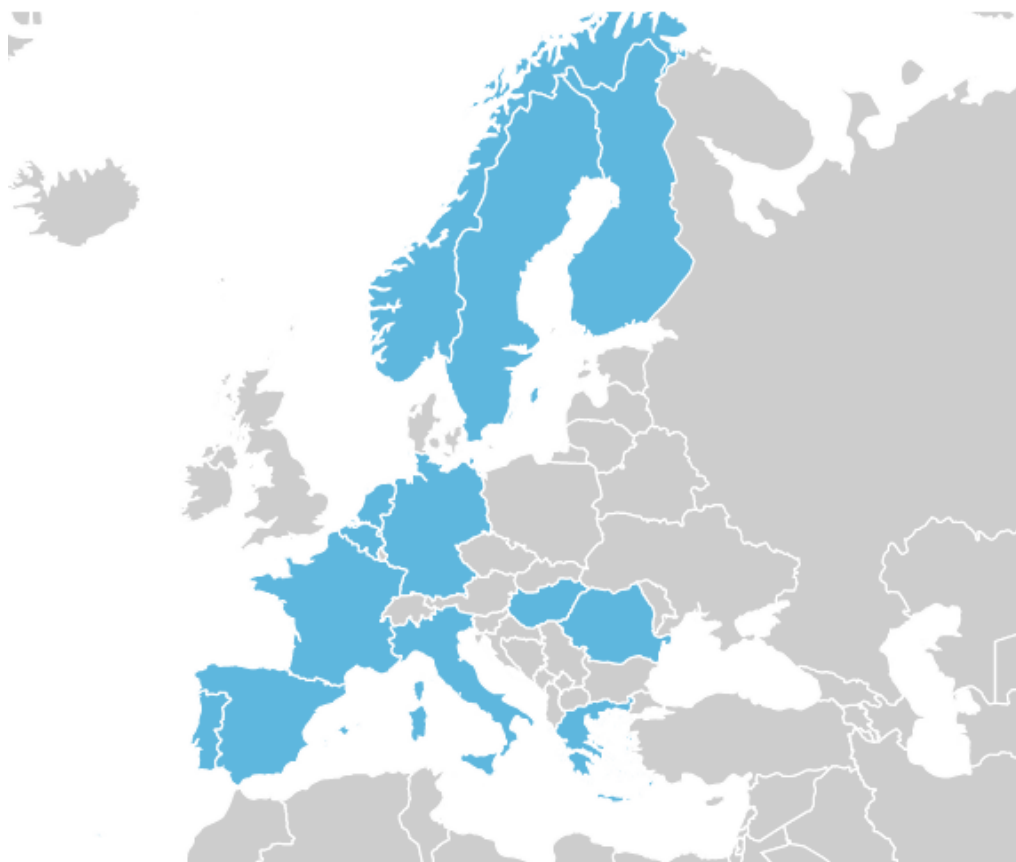
By March 2008, nineteen countries have already designated a representative in the Policy & Science Board of the Life Watch Preparatory Phase project. Further representative participants may be added during this project. The representatives act as liaison between the project consortium as a whole, which is making the preparations for the future infrastructure, and the policy makers at the national level.

Find more information about the LifeWatch developments in each country:

- [AUSTRIA](#)
- [BELGIUM](#)
- [DENMARK](#)
- [FINLAND](#)
- [FRANCE](#)
- [GREECE](#)
- [HUNGARY](#)
- [ITALY](#)
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- [SPAIN](#)
- [SWEDEN](#)
- [TURKEY](#)
- [UNITED KINGDOM](#)



LifeWatch.eu



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Flanders



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NATURE AND FOREST



Taxonomic backbone
Observatory
Data bases and systems
Data services
Data archeology



Wallonia - Brussels



Habitat characterization by
remote sensing
Geoportal
Ecotopes database

Federal



Biodiversity.be

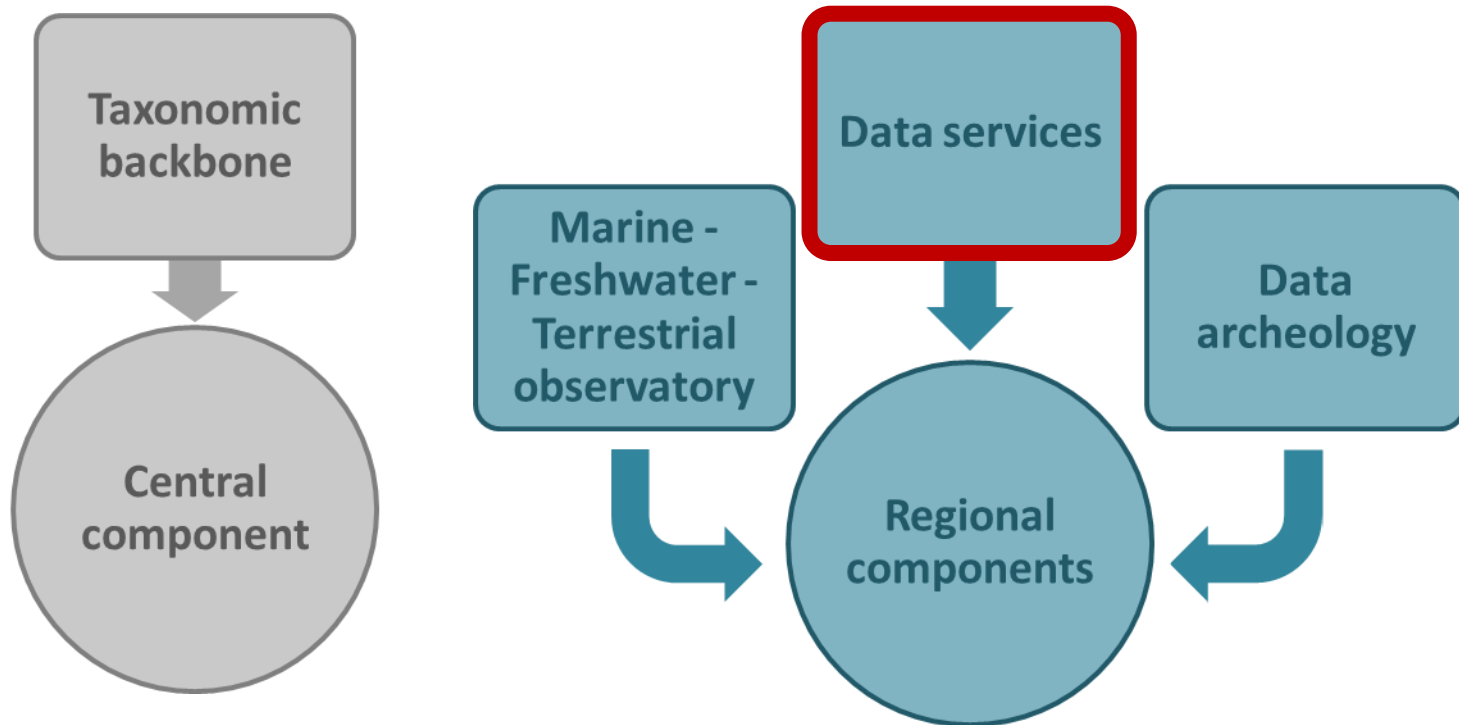


AntaBIS (Antarctic observations)
BOPCo (barcoding)
LifeWatch scientific node

LifeWatch.be - Flanders



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LifeWatch Data Analysis Workshop: Agenda

Thursday November 26th 2015

- | | |
|--------------------|---|
| 10:00-12:30 | Pre-workshop: Introduction to R |
| 12:30-13:00 | <i>Lunch</i> |
| 13:00-13:15 | Welcome and overview of the LifeWatch Data Analysis Workshop |
| 13:15-14:00 | Introduction to web services and LifeWatch virtual labs |
| 14:00-15:00 | Data standardization and quality control using LifeWatch virtual lab services |
| 15:00-15:15 | <i>Coffee break</i> |
| 15:15-16:30 | Data retrieval and access using the LifeWatch web services |

LifeWatch Data Analysis Workshop: Agenda

Friday November 27th 2015

9:00-10:45 Data exploration, processing and analysis

10:45-11:00 *Coffee break*

11:00-13:00 Data exploration, processing and analysis

13:00-14:00 *End of workshop and lunch*