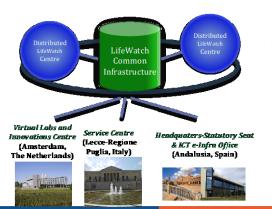
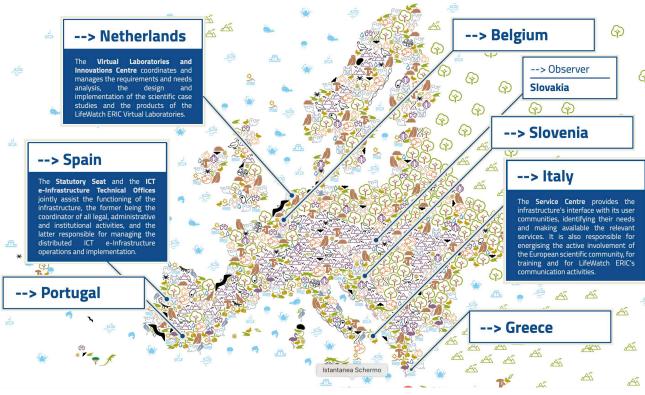
LifeWatch ERIC https://www.lifewatch.eu/

Common Facilities

Distributed Centres

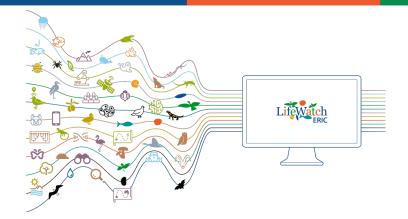
LifeWatch ERIC is a e-infrastructure on biodiversity and ecosystem research, operating through **Common Facilities** & Thematic Centres.





Thematic Centres develop components of the e-Science facilities





LifeWatch MISSION



To be a worldwide provider of content and services for the biodiversity and ecosystem research community.

LifeWatch VISION

To understand the complex interactions between species and any other level of biological organisation and the environment, taking advantage of High-Performance, Grid and Big Data computing systems and complex modelling tools.

Help implement management measures that will contribute to preserving life on Earth and human wellbeing.

Develop virtual research environments where to assess the effects of climate and environmental change on biodiversity and ecosystems and test the effectiveness of adaptation, risk mitigation and restoration measures (with focus on Nature-Based Solutions).





LifeWatch and the notion of DIGITAL ECOTWINS

IJI on non-indigenous invasive species

Ongoing proposal:
Climate change and biodiversity,
with focus
on the impacts of water-stress
on ecosystems and biodiversity







In Italia, un'ampia «LifeWatch JRU» coordinata dal CNR



PON IR LifeWatch Plus CIR LifeWatch Plus (CNR, INFN, U.Salento, U.Bologna)

Obiettivo: sviluppare e rafforzare l'infrastruttura di e-Science LifeWatch-ITA

- 1. implementazione come centro nazionale e principale punto di accesso ai prodotti della ricerca su biodiversità ed ecosistemi;
- 2. potenziamento del Centro Servizi e dei portali dei dati come il più avanzato ed inclusivo Centro di ricerca nazionale sulla biodiversità e gli ecosistemi;
- 3. sviluppo di strategie di comunicazione e disseminazione incluso un Museo Virtuale sugli ecosistemi e la biodiversità.

Biodiversity and ecosystems in European projects Interaction with other ERIC: eLTER, DISSCO, ICOS GEO, GEO BON, GEO ECO



European
Partnership
on biodiversity
(former BIODIVERSA)

