

Alternet Day - 12 June, 2024

Sustainability Research + Innovation Congress 2024 - Sustainability Science Days

Session 1: Ecosystem restoration for biodiversity and multiple ecosystem benefits

What do Alternet member institutes have to offer for nature restoration research?

Philip Roche, France

Maurice Hoffmann, Belgium

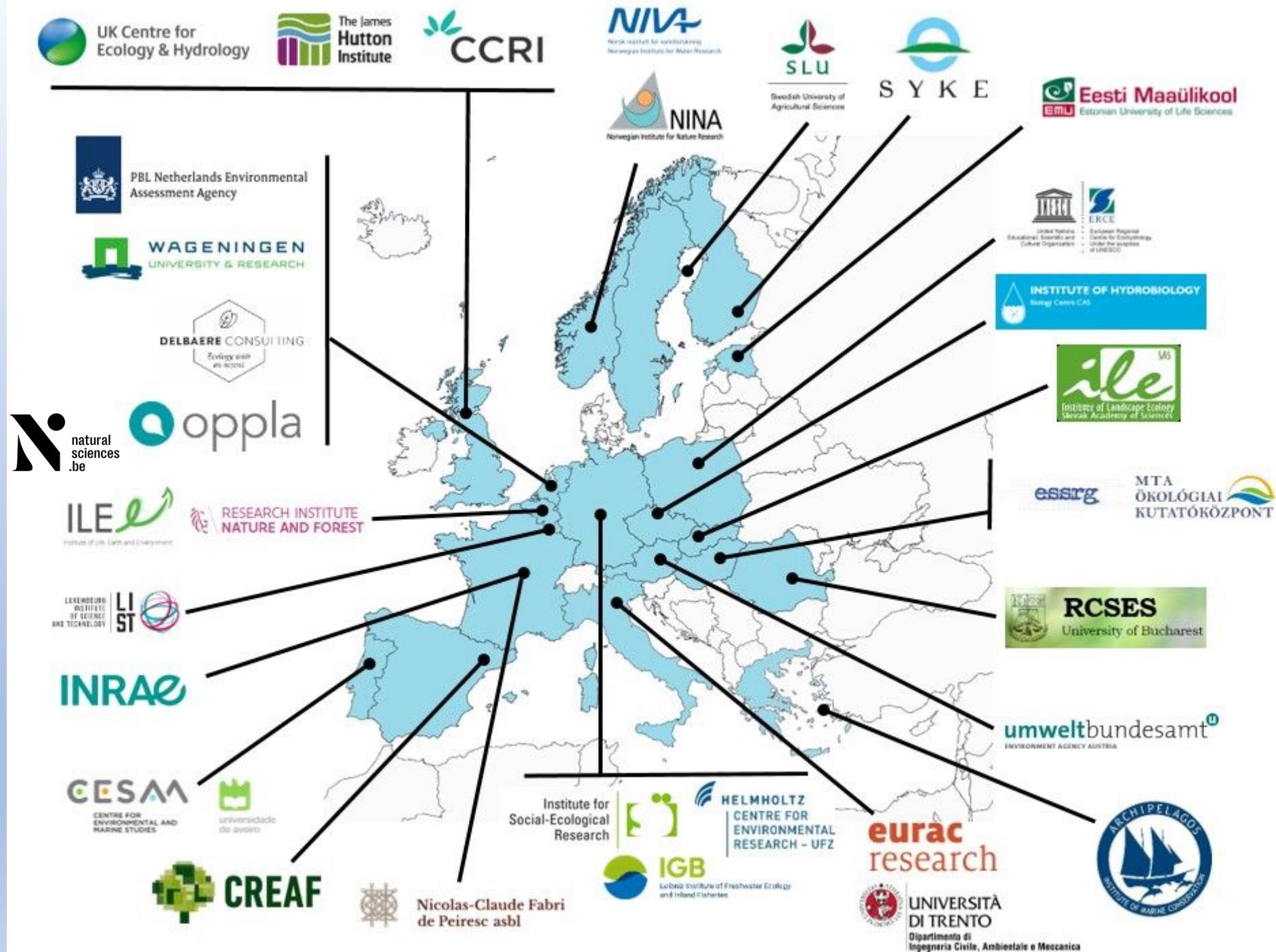
Chris Short, United Kingdom

What is alternet ?



We bring together natural and social science researchers from 33 European research institutes to enhance our understanding of biodiversity, ecosystems, and the services they provide to society, and promoting meaningful communication with policy-makers and the public

Alternet – our member institutes



Alternet – **short history**

- Founded as a European Network of Excellence in 2004 (FP6)
- Operating independently since 2009 (self-supporting financial model), organizing a broad spectrum of open access activities
- 2020: Transition from a society to a legal international non-profit organization: the **Alternet** Association
- 2020: **Eclipse** joins **Alternet**
- Since 2022: participation in European projects

Alternet – **activities**

- Collaboration and research projects: Alternet supported project (AHIA, MSR, Mobility), Call Exchange, EU projects (BioAgora, Co-op4cbd...)
- Capacity building: the Alternet Summer School since 2006, SPI and Science Webinars since 2019
- Science-Policy Interface: the Eclipse Mechanism, the Alternet biennial Conference

Alternet – Summer School

- Creates an inspiring and innovative atmosphere for considering and resolving the sustainability challenges that society is currently facing
- Open to PhD and early career researchers
- **2024 Biodiversity and Society: Science, Policy and Transformative Change**
(4-14 September 2024)
- In cooperation with European Partnership biodiversa+



Peyresq (France, Haute Provence)



Alternet – Eklipse

- The Eklipse mechanism started as a Europe-financed project in 2016, and aimed to help governments, institutions, businesses and NGO's to make better-informed decisions when it comes to biodiversity in Europe.
- operates autonomously under Alternet management since 2020.



- Request based to synthesise state of the arts academic and non academic knowledge

Alternet – Conferences

2013 – Science underpinning the EU 2020 Biodiversity Strategy

2015 – Nature and Urban Wellbeing: Nature-Based Solutions to Societal Challenges

2017 - Nature and Society: Synergies, Conflicts, Trade-offs

2019 – The EU Biodiversity Strategy beyond 2020: Research insights and needs for Biodiversity and Ecosystem Services in Europe

2022 – Transformative Change for Biodiversity and Health

2024 – Alternet 20th Anniversary, towards a European Research Strategy

2025 – Save the date: 13-16 May 2025, University of Aveira, Portugal

nature restoration?

"Member institutes of Alternet (The European Network for Terrestrial Research and Monitoring in the European Union) have **a wealth of expertise and resources to offer on nature restoration research.**

Some of the key contributions that these institutes can make include:

1. Expertise in ecological restoration techniques

Member institutes have researchers who are experts in various ecological restoration techniques, including habitat restoration, reforestation, wetland restoration, and more.

2. Monitoring and evaluation of restoration projects

Alternet member institutes have access to monitoring tools and resources that can be used to assess the effectiveness of nature restoration projects.

3. Collaboration and networking opportunities

Member institutes of Alternet are part of a larger network of researchers and practitioners working on nature restoration. This network provides opportunities for collaboration, knowledge sharing, and capacity building, enabling researchers to learn from each other."

Alternet – Quick review analysis

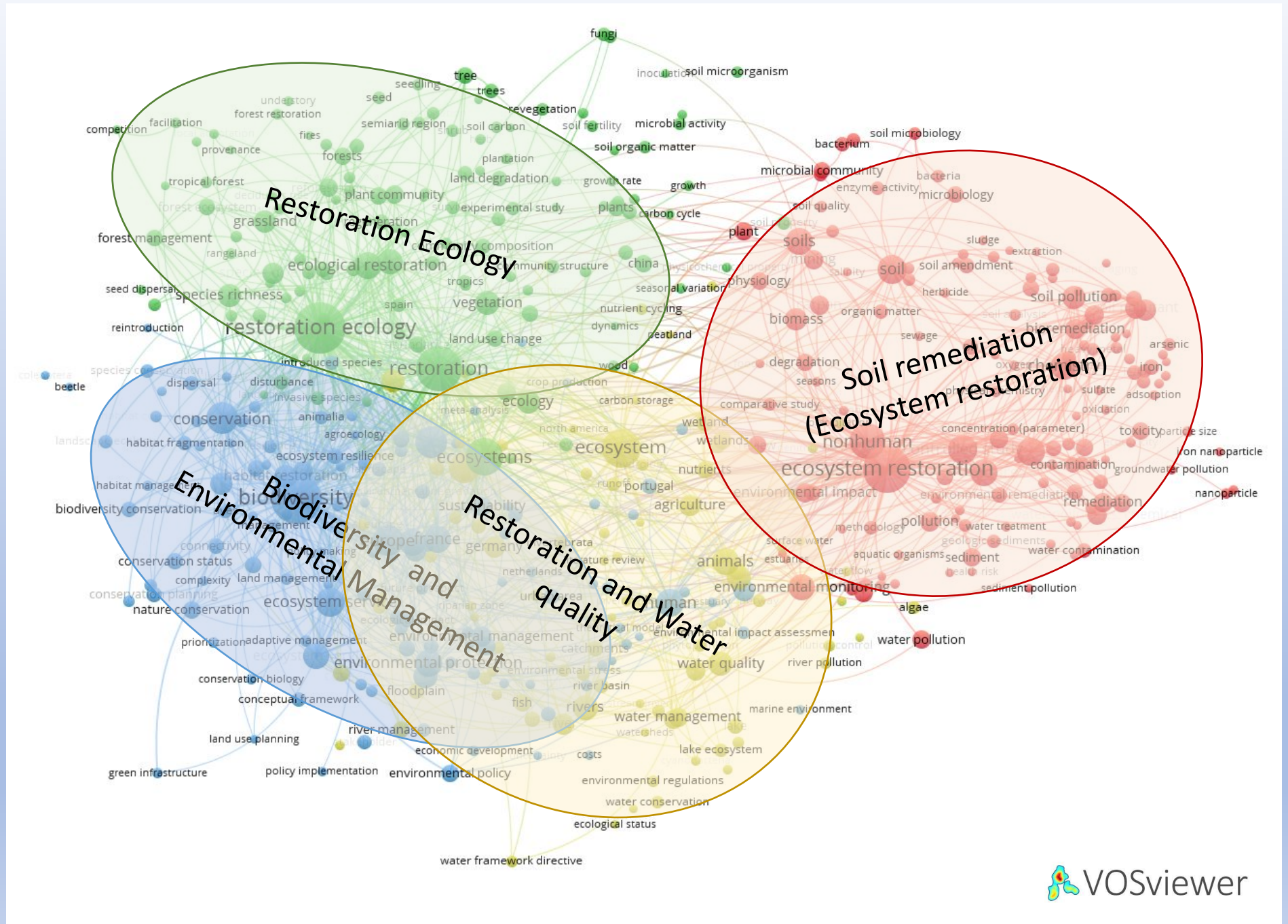
- SCOPUS Query :

(TITLE-ABS-KEY (("ecological" OR "nature" OR "ecosystem") AND restoration)

AND AFFIL (inrae OR inra OR irstea OR ufz OR syke OR ceh OR archipelagos OR "Biology Centre, Czech Academy of Sciences" OR cesam OR creaf OR dicam OR eea OR erce OR essrg OR eurac OR "Restoration Ecology Group" OR "– Institute of Agricultural and Environmental Sciences" OR "IGB" OR ilee OR ile-sas OR inbo OR isoe OR jhi OR list OR nina OR niva OR oppla OR "Netherlands Environmental Assessment Agency" OR rbins OR slu OR "Research Centre in Systems Ecology and Sustainability" OR wenr)) AND PUBYEAR > 2006 AND PUBYEAR < 2025

-> 1244 documents

Keywords analysis



Alternet – Quick review analysis

- 1. Restoration Ecology:** Research on forest ecosystems, species dynamics, regeneration, and the impact of land use and environmental factors.
- 2. Biodiversity and Environmental Management:** Emphasis on ecosystem services, biodiversity conservation, and the societal implications of these topics, including policy and management.
- 3. Restoration and water quality:** Includes studies on water quality related issues, WFD and pollution issues.
- 4. Soil remediation and Ecosystem restoration:** Studies focusing on soil properties, contamination, remediation, and nutrient cycling.

Alternet – Nature Restoration

Some project examples



Restore4Life - Restoration of wetland complexes as life supporting systems

2024-2027

Project coordinator: RCSES, University of Bucharest <https://restore4life.eu/>

Four demonstration sites and six monitoring sites spread throughout the Danube basin

Aims:

- Develop a Restore4Life Wetland Restoration Decision Support System
- Empower stakeholders and the community
- Support local revenue and business activities in restored ecosystems
- Support the implementation of holistic wetland restoration solutions

Rewilding European Shorelines and Beyond

Rewilding and restoration of intertidal sediment seascapes to deliver high co-benefits for society and nature.
10 demonstrators and 25 partners from 11 European states, including 8 with a tidal coast, plus the UK, Canada and the USA <https://rewriteproject.eu>

Alternet – **want to get your institute in?**

<https://alterneteurope.eu/join/>