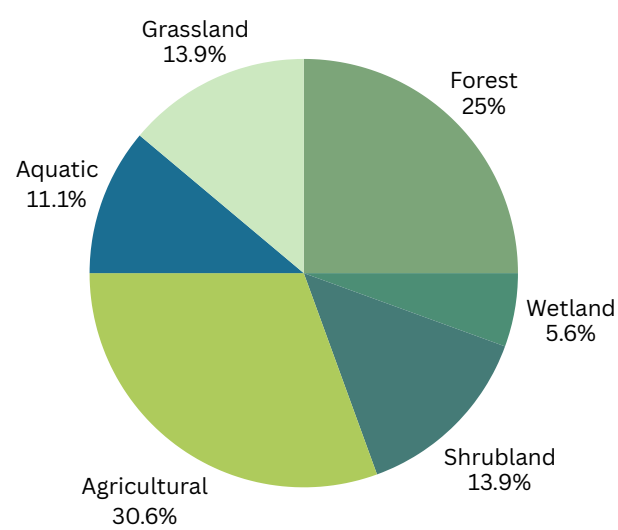


ANAEE-ERIC - EUROPE'S LARGEST RESEARCH NETWORK FOR EXPERIMENTAL ECOLOGY AND CLIMATE CHANGE RESEARCH
TOGETHER WE'RE TURNING RESEARCH INTO ACTIONABLE, REAL-WORLD SOLUTIONS

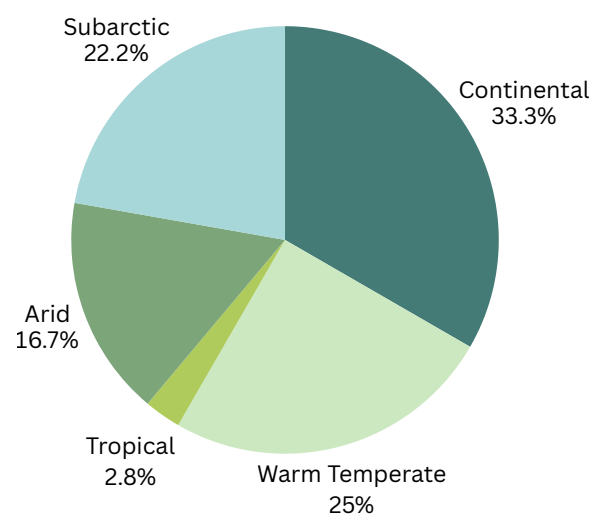
ABOUT

AnaEE-ERIC is an ESFRI Landmark European Research Infrastructure – providing resources within ecosystem research, connecting cutting-edge facilities dedicated to global change ecology—the study of how ecosystems work and respond to environmental change such as drought, pollution and climate change. The main mission is to make these facilities accessible to the research community and beyond. We bring together experimental facilities, analytical tools, and modelling capabilities to tackle environmental challenges.

By uniting Europe's most advanced facilities and leading experts, AnaEE-ERIC provides crucial resources, knowledge and evidence supporting practical solutions for climate change adaptation, resilience, food security, clean water, and biodiversity protection.



Open Air facilities distribution by Ecosystem Type



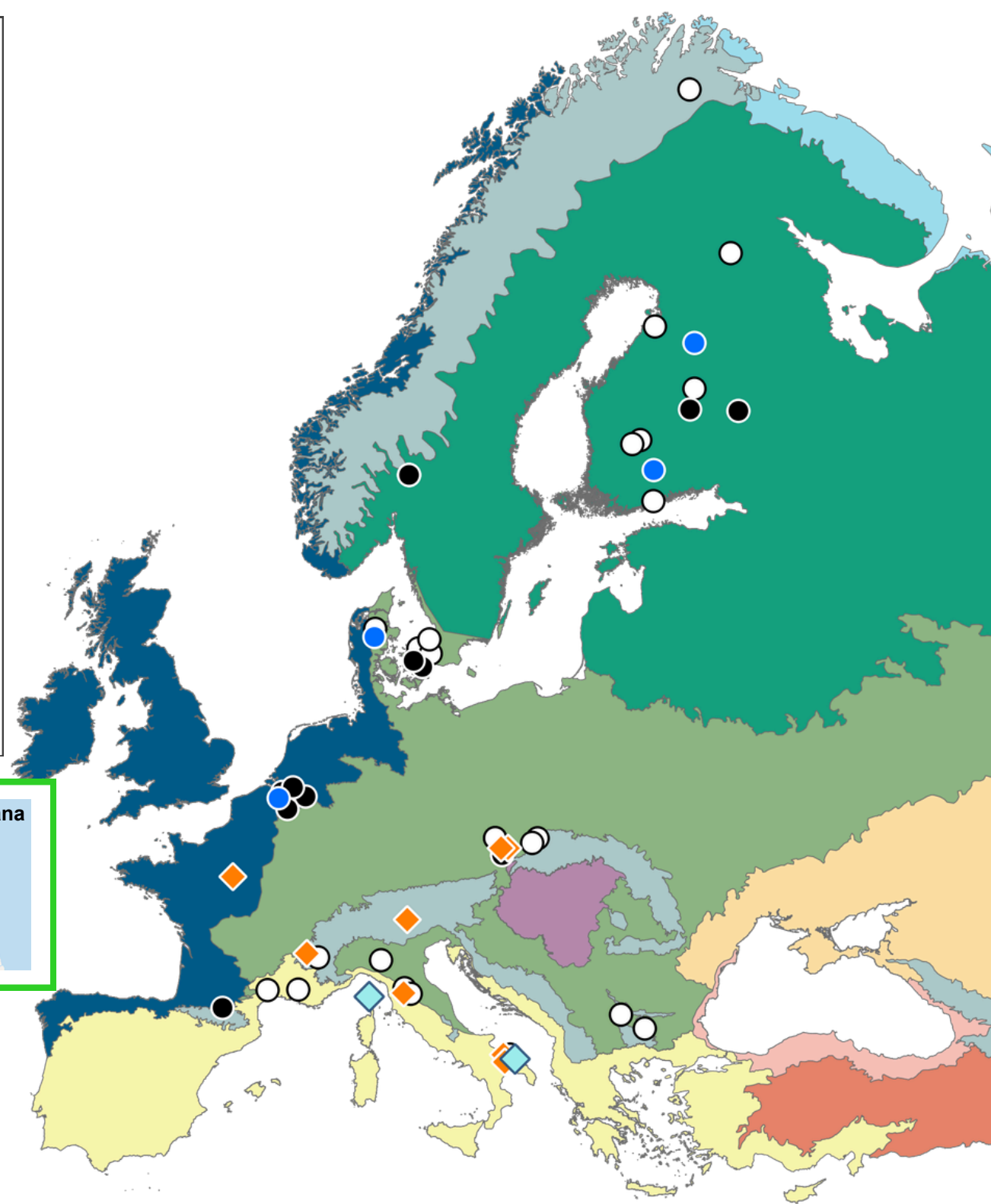
Open Air facilities distribution by Climate Zone

BIOGEOGRAPHICAL REGIONS

- Arctic
- Boreal
- Continental
- Steppic
- Pannonian
- Anatolian
- Black Sea
- Mediterranean
- Atlantic
- Alpine
- Amazonian

ANAEE-ERIC FACILITY TYPES

- Analytical
- Modelling
- Open-Air
- Enclosed
- Aquatic

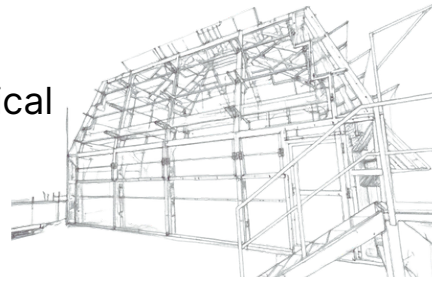


ANAEE-ERIC IN HORIZON EUROPE

AnaEE-ERIC is collaborating in a number of EU-projects, that offer funding to researchers and advances our knowledge within everything from agroecology and plant Phenotyping to aquaculture and microplastics. See website for more details and open calls.



Experimental facilities: Our facilities combine open-air and enclosed systems—including aquatic facilities—to enable cutting-edge ecological research. Open-air setups allow long-term, realistic experiments by manipulating multiple global change drivers in diverse ecosystems, while enclosed facilities provide precise environmental control and advanced measurements. Together, they deliver critical insights into ecosystem function, resilience, and adaptive responses to environmental change, supporting both gradual process studies and in-depth, data-driven experiments.



Modelling facilities

Our advanced modeling facilities with state-of-the-art tools simulate and analyse complex environmental systems, supporting research on climate change and shifting dynamics in agriculture, forestry, and ecosystems. These tools enable efficient forecasting, data validation, and informed decision-making, helping researchers improve analyses, design better experiments, and predict ecosystem responses to global change.

Analytical facilities

Our analytical facilities provide advanced, high-standard services that complement experimental research by offering unique capabilities and cutting-edge methodologies. These include mobile and remote sensing analyses, advanced omics laboratories, and food safety testing, enabling comprehensive and innovative ecosystem research.



PLANAQUA, CNRS, France: A wide range of study scales for research on aquatic ecosystems. PLANAQUA makes it possible to address a wide array of questions, through its experimental offer of research animal houses, mesocosms and aquatic macrocosms. It is composed of 16 macrocosms of 750 m³, and several mesocosms from 1 to 15 m³ to do short or long term experimental ecology research.



Ecotron, UHasselt, CMK, Belgium: This features 12 large controlled chambers, each consisting of a sunlit atmospheric compartment containing the vegetation and a belowground lysimeter. A wide range of atmosphere and soil parameters can be set and controlled to simulate different environments

