

EXPERIMENTATION AT THE CORE TO PREDICT AND MITIGATE CLIMATE CHANGE RISKS

At the core are our three types of facilities that can impose multiple global change drivers to better understand their roles and identify their interactions.

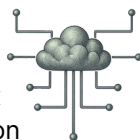
Experimental facilities

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.



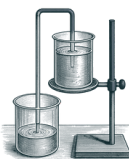
Modelling facilities

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.



ANALYSIS AND EXPERIMENTATION ON ECOSYSTEMS

AnaEE-ERIC is a landmark European research network connecting cutting-edge facilities dedicated to global change ecology—the study of how ecosystems work and respond to environmental change. We bring together experimental sites, analytical tools, and modelling capabilities to tackle pressing environmental challenges.

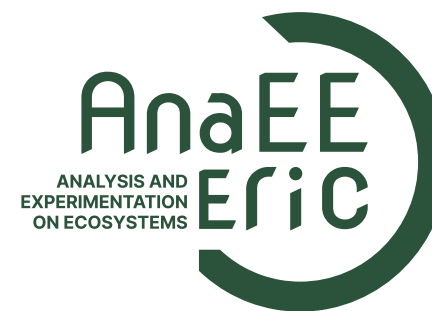
Our main mission is to make the facilities accessible to the research community and beyond. Through rigorous research, scientists develop evidence supporting practical solutions for climate change adaptation, resilience, food security, clean water, and biodiversity protection. By uniting Europe's most advanced facilities and leading experts, AnaEE-ERIC provides the knowledge needed to keep our ecosystems healthy and resilient for current and future generations.

CONTACT

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Bílý Kříž, Czech Republic. Photo: CzechGlobe

FOR RESEARCHERS



- **One-stop access** to a full catalogue of research platforms, infrastructures, and clear guidance on applications and costs.
- **Open data & advanced tools:** free access to AnaEE-ERIC's datasets, metadata, and integrated analytical/modelling services.
- **Training & support** for researchers and advanced students to maximize the use of AnaEE's resources.

FOR MEMBERS



- **Standardization & quality**—common procedures, quality checks, and support for development.
- **Scientific & project coordination**—roadmapping, multi-platform management, and project support.
- **Industry engagement & procurement**—coordinated industry activities and shared procurement.
- **Training & visibility**—staff training and strategic communication for broader impact.

FOR POLICYMAKERS & SOCIETY



- **Expert guidance & impact assessment**—providing public advice, evidence, and tools to evaluate real-world impacts.
- **Education & outreach**—training for school children, the public, and coordinating networks for broader engagement.
- **EU-wide citizen awareness**—driving outreach activities to inform and involve communities across Europe.

FROM THE SUB-ARCTIC TO THE MEDITERRANEAN & TROPICAL

AnaEE-ERIC facilities •



AnaEE-ERIC covers all types of ecosystems such as grassland, agricultural land, unmanaged and managed forests, peatland and aquatic ecosystems. Its facilities are distributed across all biogeographical regions of Europe.

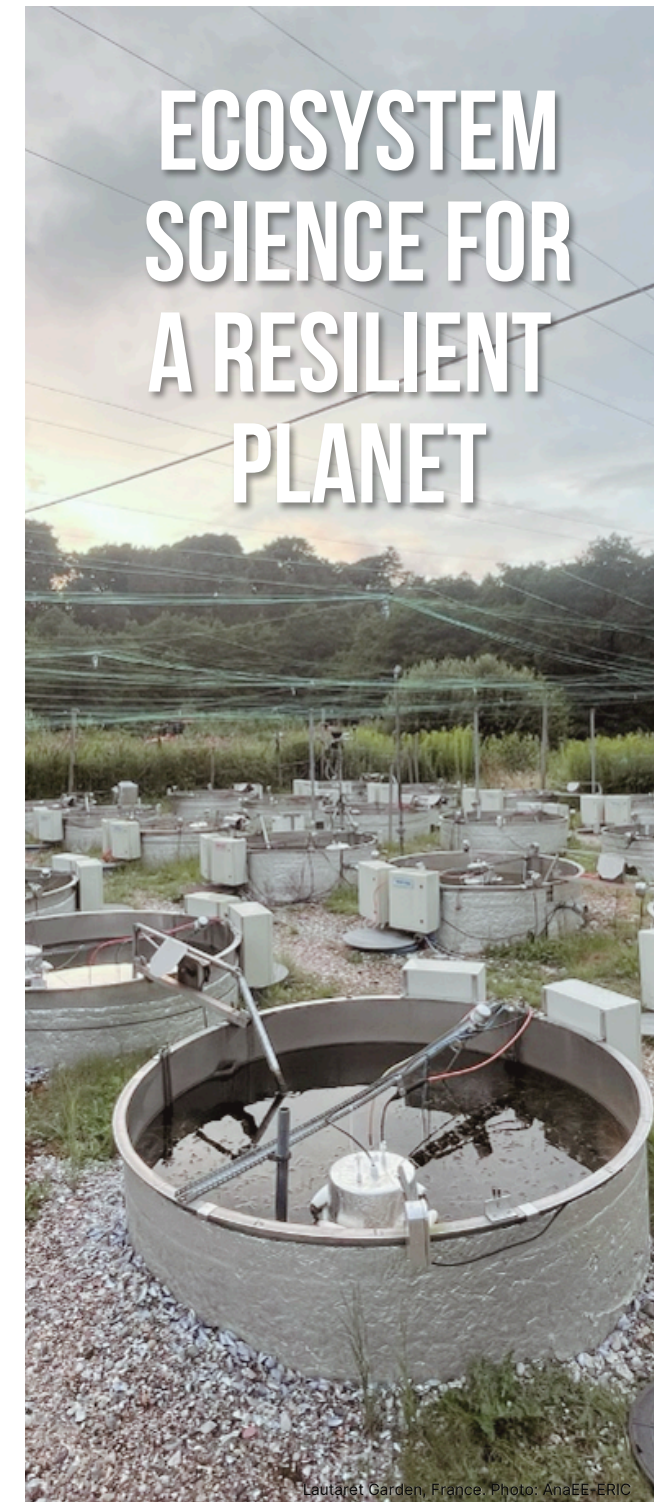
A PAN-EUROPEAN RESEARCH INFRASTRUCTURE

At AnaEE-ERIC, we stand at the forefront of ecosystem research, offering state-of-the-art experimental facilities and services.

Our network enables research on how ecosystems respond to environmental challenges like climate change and pollution, providing crucial insights for our planet's future.

Whether you're a scientist exploring fundamental questions, a company developing sustainable technologies, or a policymaker seeking evidence-based strategies, our services can support your goals.

What sets us apart is our integrated approach: we combine scientific excellence with practical applications, transforming research findings into actionable solutions that benefit society as a whole.



ECOSYSTEM SCIENCE FOR A RESILIENT PLANET