

# IRISCC: Integrated Research Infrastructure Services for Climate Change Risks

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## Introduction

**IRISCC** delivers scientific and knowledge-based services aimed to support society's capacity to address and strengthen resilience to climate change. The EU funded project brings together 79 partners for 4.5 years (April 2024–Sep 2028) to establish a “one-stop-shop” on climate change risk related services. The consortium includes diverse and complementary leading research infrastructure (RI), including AnaEE RI.

## Approach

In the core of IRISCC is the provision of robust RI services geared towards climate change risk research. IRISCC provides access to open data, tools and cutting-edge research facilities. The integrated approach merges the analysis of hazards, exposure, and vulnerability, enabling a comprehensive understanding of climate change driven risks. By encouraging interdisciplinary collaboration, IRISCC aims to empower users to predict, mitigate, and adapt to the risks posed by climate change on both human and natural systems. IRISCC provides a “one-stop-shop” for various user communities on climate change risk research and services.

## IRISCC and AnaEE

By providing access to 21 research facilities, AnaEE is one of the 12 European RIs to contribute to the services provided by IRISCC. AnaEE is also leading one of the project work packages and provides strategic leadership as a member in IRISCC Infrastructure Board. AnaEE contributes to co-creation of novel research services thus advancing our understanding of ecological systems and their responses to climate change risks.

## Conclusions

During the first six months of the project, IRISCC is on its path to provide the first service release, scheduled in March 2025. Ultimately, the success of the IRISCC project hinges on its capacity to bridge various research domains, including Earth systems, environmental health, and social sciences. The project aspires to offer a comprehensive service catalogue for research, innovation, training, and digital services. With its comprehensive, system-oriented strategy, IRISCC is positioned as a pivotal contributor in the quest to predict, mitigate, and adapt to the complex challenges arising from climate change.

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