


# ONLINE WORKSHOP



The AVENGERS project

## Innovative Approaches in Emissions Monitoring, Inventories, and Inversion Modelling for Climate Applications

 27-29 May

### About the Workshop

The AVENGERS workshop brings together researchers, practitioners, and policymakers to explore state-of-the-art methods for emission inventory development, evaluation, and integration, with a strong focus on hands-on training and regional applications.

The workshop will combine lectures, case studies, and practical sessions, showcasing approaches developed within AVENGERS and related projects, and highlighting their relevance for Europe and the EMME region.

✓ Register for free until 8 May 2026 [here](#)

## Our Partners



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the European Union**

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# WORKSHOP THEMES



The AVENGERS project

## Climate Policy & Emission Inventories

International policy frameworks, MRV systems, and national inventory reporting, with regional case studies linking science to policy.

Inventory development workflows, emission factors, activity data, and methods to assess and reduce uncertainties.

## Bottom-Up Emission Compilation & Uncertainty

## Top-Down Approaches & Inverse Modelling

Use of satellite observations and atmospheric models to constrain emissions, including inverse modelling techniques and regional applications.

Combining bottom-up and top-down information to improve inventories, support harmonisation, and strengthen regional capacity and collaboration.

## Reconciling Inventories & Regional Integration

## About AVENGERS

### Attributing and Verifying European and National Greenhouse Gas and Aerosol Emissions and Reconciliation with Statistical Bottom-up Estimates

The AVENGERS project will develop methodologies for the use of high-quality atmospheric data in national GHG inventory reports, in close cooperation between atmospheric scientists and inventory compilers. The project will apply several inverse modelling systems to estimate national GHG and aerosol emissions, and, with the help of case-studies based on user-stories, focus on key uncertainties in inventories.

Find out more about the project here: <https://avengers-project.eu/>