

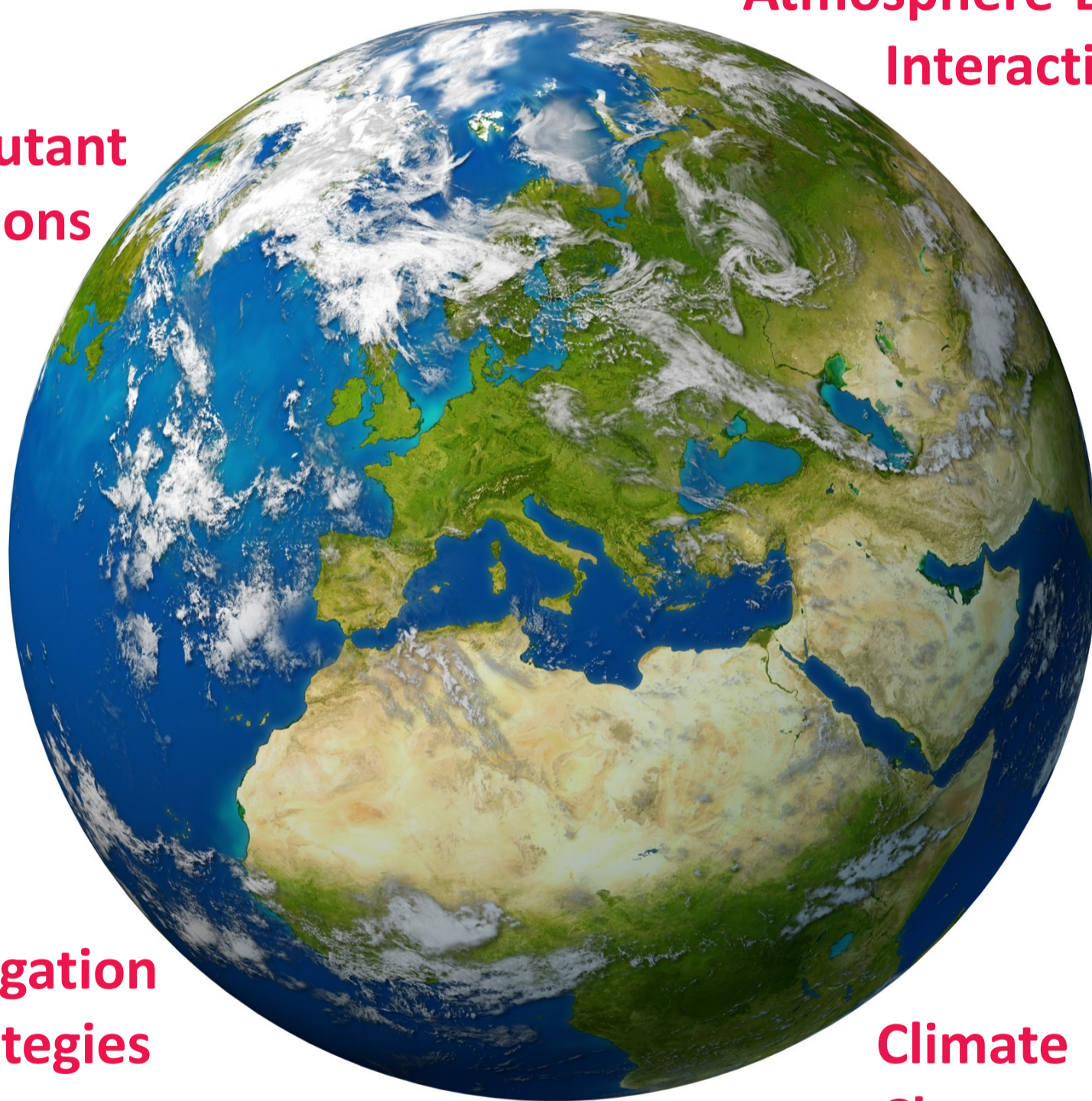
PEGASOS



Pan-European Gas-AeroSOls-climate interaction Study

**Atmosphere-Biosphere
Interactions**

**Air Pollutant
Emissions**



**Air
Quality**

**Mitigation
Strategies**

**Climate
Change**



www.pegasos-eu.gr
EUROPEAN COMMISSION / European Research Area / Environment





PROJECT OBJECTIVES

The Pan-European Gas-AeroSOIs-climate interactions Study (PEGASOS) European large scale integrating project brings together most of the leading European research groups, with state-of-the-art observational and modeling facilities to:

1. Quantify the magnitude of regional to global feedbacks between atmospheric chemistry and a changing climate and to reduce the corresponding uncertainty of the major ones.
2. Identify mitigation strategies and policies to improve air quality while limiting their impact on climate change.

SUMMER SCHOOLS

To enhance the knowledge transfer among PEGASOS participants and to catalyze the training of young researchers two intensive scientific courses (summer schools) will be offered in the next two years. These schools will focus on:

1. State-of-the-art instrumentation and data analysis
2. Multiscale modeling

A limited number of resources will be available to allow the participation of promising young researchers from developing countries. The courses will be organized at the SMEAR II research station in Hyytiälä, Finland. More details on these courses will be available on the PEGASOS website closer to the time.

EXPECTED RESULTS

PEGASOS will provide:

1. Better estimates of air pollution in Europe and its impact on climate.
2. Support to the EC/Thematic Strategy on Air Pollution and Air Quality regulation.
3. Better quantification of regional and global links between air pollution and climate change to underpin mitigation options and other policy initiatives.

The philosophy of PEGASOS is to enhance our understanding of the interactions of climate and atmospheric chemistry in the past, present and future. This will allow us to assess the effectiveness of policies in-place and to better design future policy options. Policy making will be influenced by the PEGASOS outcomes; directly by public outreach, and providing relevant results to policy makers, and indirectly by delivering relevant scientific studies to international assessments and organisations that in turn are important in international and European policy making.

Through the long-standing involvement of most of its Partners in the IPCC process and other international assessments, PEGASOS ensures that results will have impact beyond Europe, which is important in the climate policy arena.

