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Project Details

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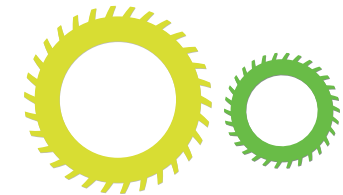
Coordinator: Radboud University
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CARISMA

Innovation for Climate Change Mitigation

Coordination and Assessment of
Research and Innovation in Support
of climate Mitigation Actions

carisma-project.eu



About CARISMA

Ensuring that human-induced climate change does not lead to a global mean temperature rise of more than 2°C since pre-industrial levels requires substantial emission reductions, leading to low- or even zero-emission economies and societies. Realising this is extremely challenging and requires a great variety of decision-makers to simultaneously overcome economic feasibility, technology availability and social acceptance issues of identified climate solutions.

CARISMA supports the development and diffusion of options for climate change mitigation, both technologies and practices to reduce greenhouse gas emissions. Climate-friendly technologies and practices often already exist, yet for several reasons they do not enter the mainstream. Decision-makers in the public and private sectors alike are, for a variety of reasons, inclined to continue the high-carbon status quo. This holds for already developed technologies and practices, as well as for technologies and practices that are untested or in the research phase.

Through extensive engagement with the policy-making and business communities, CARISMA aims to help them better understand these reasons with a specific focus on:

Research and innovation, including international cooperation, around climate change mitigation options;

Economic costs, social aspects and environmental benefits of climate change mitigation options;

Existing mitigation policies and how these interact with other environmental and climate policies;

How the success of policies for climate change mitigation depends on their socio-economic implementation contexts and policy implementation cycles.

What to expect from CARISMA?

Starting from an overview of technologies and practices for climate change mitigation, CARISMA will improve understanding of these technologies and practices in terms of:

- Their contribution to achieving greenhouse gas emission reduction goals in the EU and beyond;
- Their social, economic and environmental impacts in different country contexts;
- Their costs; and
- Typical barriers to their successful development and implementation, and possible solutions to address these.

Starting from an overview of national and European climate change policies, CARISMA will lead to a better understanding of how the effectiveness of these policies can be influenced by:

- Developments in the policy context, such as changing economic circumstances, political stability, technology infrastructure or environmental awareness; and
- Positive or negative interactions with other climate or environmental policies.

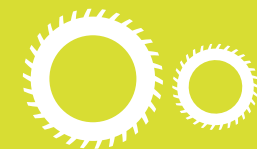
Based on these improved insights, CARISMA intends to develop, discuss with stakeholders and disseminate recommendations on EU actions and international cooperation in climate change mitigation research and innovation as well as policy making and governance.

Collaboration with decision-makers

CARISMA will engage with public and private sector stakeholders in climate change mitigation options in the following ways:

- ✓ Consult decision-makers in climate mitigation options and request their input into the project steps and outputs,
- ✓ Draw on their knowledge for analysing possible economic, social and environmental costs and benefits, contextual factors, and policy-making around climate change mitigation options; and
- ✓ Present the project's findings to multiple stakeholder groups for improved decision making on climate change mitigation options and policies.

If you are a stakeholder and would like to get involved, you are cordially invited to contact the Project Coordinator.



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