HORIZON-CL5-2021-D1-01-04

Enhanced integrated assessment in pursuit of global climate goals

Research and Innovation Actions
**POLICY CONTEXT**

- Link between science and climate action (global & national) is formalised by Paris Global Stocktake, and submission of post-2030 climate targets by 2025.

- Pursuit of global climate goals requires action at national-level action informed by science around the world.

- This requires broadening and deepening of international collaboration within the modelling community, and between scientists and stakeholders.

- Growing need for practical advice on synergies / trade-offs with sustainable development, COVID-19 recovery, just transition, adaptation, biodiversity etc.

**EXPECTED OUTCOMES**

- **Provision of information for the preparation of climate policies and national planning for the post-2030 period**, in light of the Paris Agreement goals and the need to reduce global net greenhouse emissions to zero by 2050.

- **Enhanced international cooperation** to expand the provision of robust in-country advice to decision-makers around the world.

- **Enhanced mutual learning** to ensure coherence between different tools used to inform climate action, and consistency with the best available and open science.

- **Identify milestones, drivers and barriers** towards achieving climate neutrality in an economically and environmentally responsible and socially inclusive way.

**Related impacts:**
Transition to a climate-neutral and resilient society and economy enabled through advanced climate science, pathways and responses to climate change (mitigation and adaptation) and behavioural transformations.
SCOPE

• **Support comparability of model results** e.g. between national and global scenarios, and between Integrated Assessment Models and other models used to inform climate action at different geographical scales.

• **Consider the role of major sectors** including energy, water, transport, industry and land use, as well as the sequence of individual, social, economic, structural, and technological changes that could lead to climate neutrality.

• **Support the use of model-based and data/driven analysis for climate-policy** in the context of sustainable development and recovery from the economic and social impacts of the COVID-19 pandemic.

• **Share best practices and build capacities** to support the production of national scenarios and to inform domestic stakeholders during and after the lifespan of the action.