

Project Partners



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Building Roadmaps to Industrial
Decarbonisation and Green Economy
through EU-China Cooperation



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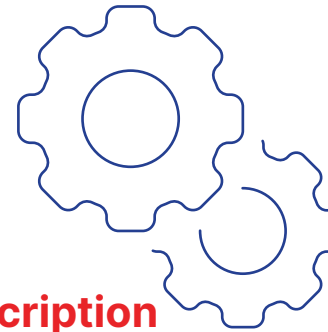
Motivation



The EU and China play a vital role in achieving global climate neutrality due to their large greenhouse gas (GHG) emissions, economic power, influence on international trade, and strong competitive position in low-carbon technology industries. Yet, both regions face tremendous challenges in achieving their climate targets.

Although technological breakthrough solutions and deployment strategies are on the rise, large emitters such as energy-intensive industries (EII) like steel and chemicals, are often considered hard to abate and simultaneously, critical economic growth engines. While various technology options exist for decarbonising EIIs, they are usually under-represented in the integrated assessment models (IAMs) used to explore decarbonisation pathways. Additionally, datasets of previous emissions often contain considerable inconsistencies and uncertainties, creating obstacles to designing effective mitigation policies.

Project description



EU-CHINA BRIDGE is a project co-funded by the European Union and the Ministry of Science and Technology of the People's Republic of China that will support the transition to a climate-neutral and resilient society in both regions.

The project will advance knowledge on technology innovations and roadmaps for decarbonising energy intensive industries, co-create innovative modelling frameworks by combining cutting-edge bottom-up and integrated assessment models, quantify net-zero sustainable pathways, and develop the most updated and comprehensive emissions data.

It will intensively engage relevant stakeholders from both regions, enhancing dialogues and fostering mutual learning among relevant stakeholders and experts.

Objectives



- Technology upscaling, co-developed technology roadmaps, and EU-China cooperation for industrial decarbonisation
- An advanced and holistic modelling framework and emission inventory for developing reliable and consistent decarbonisation pathways with a high sectoral, technological, and spatial granularity
- Ambitious, credible, policy-relevant, and socially acceptable net-zero emissions pathways for the EU and China that build on EU-China synergies co-developed with a broad range of stakeholders
- Inclusive stakeholder engagement and fostering mutual learning between the EU and China