

WHO WE ARE



International Institute for Applied Systems Analysis (IIASA)



Potsdam Institute for Climate Impact Research (PIK)



Euro-Mediterranean Center on Climate Change (CMCC)



Netherlands Environmental Assessment Agency (PBL)



Institute of Communication and Computer Systems (ICCS)



Wageningen University (WU)



University of East Anglia (UEA)



Institute for Sustainable Development and International Relations (IDDRI)



Energy Planning Program, Universidade Federal do Rio de Janeiro (COPPE)



National Development and Reform Commission Energy Research Institute (NDRCE-ERI)



Tsinghua University (TU)



Indian Institute of Management (IIM)



The Energy and Resources Institute (TERI)



National Research University – Higher School of Economics (HSE)



National Institute for Environmental Studies (NIES)



Research Institute of Innovative Technology for the Earth (RITE)



Pacific Northwest National Laboratory (PNL)



Korea Advanced Institute of Science and Technology (KAIST)



European Commission's Joint Research Centre (JRC)

THE CD-LINKS RESEARCH PROJECT

- **Full name** Linking Climate and Development Policies – Leveraging International Networks and Knowledge Sharing
- **Duration** 4 years
- **Start date** September 2015
- **End date** August 2019

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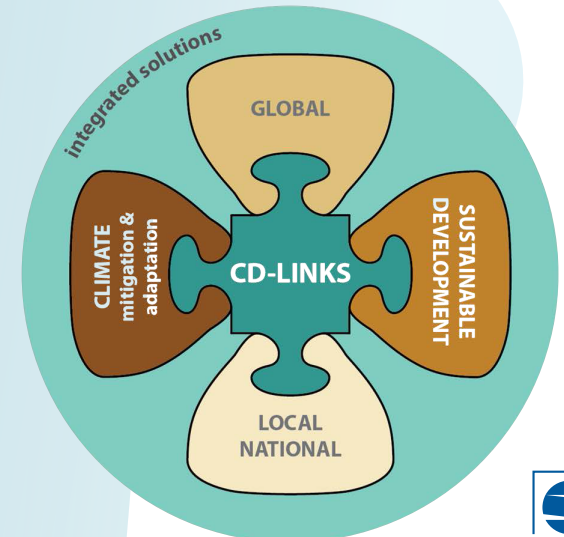


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Linking Climate & Development Policies

Leveraging International Networks & Knowledge Sharing



THE CHALLENGE

A central question for policy makers, in the G20 and beyond, is how to bring climate action into the broader sustainable development agenda. Answering this question poses a significant challenge, since it requires to understand complex interactions between climate and development policies – do they reinforce or hinder each other when trying to achieve a range of societal priorities, like, for example, energy poverty eradication, air quality improvement, energy security enhancement, climate resilience and food and water access?

To effectively inform decision making on these issues, whether at the national or international level, science must take an integrated and holistic perspective. New approaches are needed to identify viable solutions and pathways for the future that align global and national perspectives and at the same time address multiple policy priorities simultaneously. To date, however, there have been relatively few scientific analyses that have systematically explored the interplay between climate action and development while simultaneously taking both global and national perspectives.

PROJECT STRUCTURE

Through its 19 partners and collaborators from Europe, China, India, Brazil, Russia, Japan, Korea and the USA, the project brings together expertise from several domains, including integrated assessment modelling, human development, climate adaptation, economics, energy geo-politics, atmospheric chemistry, human health, land use, agriculture, and water.

In support of the various capacity building activities that are

OBJECTIVE

The CD-LINKS research project aims to advance the state-of-the-art of integrated, model-based analysis of the development-energy-climate nexus. **The objective** is to (i) gain an improved understanding of the linkages between climate change policies and multiple development objectives, (ii) broaden the evidence base in the area of policy effectiveness by exploring past and current policy experiences, (iii) work toward the next generation of technological and socio-economic pathways that take into account climate-resilient adaptation strategies, and (iv) establish a research network and capacity building platform in order to leverage knowledge-exchange among institutions from Europe and other key players within the G20.

integral to the project, CD-LINKS will benefit greatly from the partners' years of experience in organising policy and stakeholder workshops, summer schools, and student-exchange programs.

The strong scientific capacity of the consortium will be leveraged by close collaboration with other major international initiatives, in particular Sustainable Energy for All (SE4ALL) and the Deep Decarbonization Pathways Project (DDPP).

WORK PLAN

CD-LINKS will combine multiple streams of research – empirical analysis, model enhancement and scenario development – to achieve its multiple objectives.

- At the heart of the project, **national and global transformation pathways** will be developed that address climate change within the broader sustainable development agendas of G20 countries. Collaboration between national and global modelling teams will yield more coherent pictures of the future than is typical of pathways studies.
- The project will explore **low-carbon development pathways and adaptation strategies that ensure the achievement of a wide range of sustainable development objectives**, including, in particular, alleviating energy poverty and income inequality, reducing air pollution and associated health impacts, ensuring water availability, food and energy security, and managing the risks of climate-related extreme events.
- In support of evidence-based decision making, the analysis of low-carbon development pathways will be complemented by **empirical analyses of past and existing policies** that have had a climate or broader development focus. **A review of national action plans, planned policies and international country pledges** will round out the picture by assessing expected trends over the short-to-medium term.
- CD-LINKS will go further than previously developed transformation pathways, which have been largely silent about policy implementation, by **translating insights from the scenario work into concrete and tangible recommendations for policy implementation** at the national and international level.