



PBL Netherlands Environmental
Assessment Agency

COMMITTED

Project Overview

Nexus Summit, Pakistan

7th – 8th March 2024

Stephanie Solf, Isabela Tagomori Schmidt – PBL Netherlands Environmental Assessment Agency



PBL - Netherlands Environmental Assessment Agency

- National, autonomous institute for strategic policy analysis in the fields of environment, nature, spatial planning
 - Under the Ministry of Infrastructure and Water Management
- investigate environmental, ecological and spatial quality and related policies, social trends and strategic pathways
- **National:** Co-leading the annual Climate and Energy Outlook (KEV):
 - Assessment of current Dutch emission trajectories and mitigation options
- **International:** Informing IPCC and UNFCCC process in climate policy analysis

Climate pOlicy assessment and Mitigation Modeling to Integrate national and global TransiTiOn pathways for Environmental-friendly Development

EU Directorate General
for Climate Action (DG
CLIMA)

January 2023 – June
2026

Consortium of 12
partners from Europe,
China, India, Indonesia,
Pakistan, Vietnam
Management: PBL



COMMITTED consortium



POTSDAM INSTITUTE FOR CLIMATE IMPACT RESEARCH



PBL Netherlands Environmental Assessment Agency



International Institute for Applied Systems Analysis



CMCC
Centro Euro-Mediterraneo sui Cambiamenti Climatici



E3 Modelling
Energy Economy Environment



IIIMC
AHMEDABAD



THE ENERGY AND RESOURCES INSTITUTE
Creating Innovative Solutions for a Sustainable Future



清华大学
Tsinghua University



浙江工业大学
ZHEJIANG UNIVERSITY OF TECHNOLOGY
1953



HOCHIMINH CITY INTERNATIONAL UNIVERSITY
HCM-IU



ASEAN Centre for Energy
One Community for Sustainable Energy



Goals of COMMITTED

Reinforce global climate change mitigation efforts by supporting the work of Asian researchers and experts on national and sectoral greenhouse gas emissions modelling

National long-term transition pathways

Short-term measures consistent with Paris-compatible pathways

Sectoral economic and social aspects of transition (trade-off, co-benefits)



Capacity building for GHG emissions modelling and exchanging best practices and know-how between leading EU and Asian modellers and policy stakeholder

Working Packages

Project objectives

Enhanced capacity of experts and policy makers to understand how model-related insights can inform key policy questions for low emissions transition

Improved understanding of sectoral, economic, and social aspects of the climate transition

Improved understanding of short-term measures that can bend GHG emissions towards Paris-compatible pathways

Improved understanding of how Asian countries can develop in the long-term consistent with the Paris Agreement

Strengthened modelling capacity and network within target countries and greater engagement with international network of modellers

01

Strengthening Model Capacity and Network in Target Countries

- Workshops, Research Exchanges, Online and in-person events
- National model development

02

Development of national long-term scenarios

- Building national current policies, NDCs, and low-emission trajectories
- Interactive scenario explorer and digital data dissemination

03

Identification on significant short-term mitigation measures

- Compare latest technology development trends for key mitigation technologies
- Evaluate appropriateness of short-term policy proposals to bending the emissions curve

04

Analysis of sectoral and socioeconomic aspects of climate transitions

- Analysis of sectoral transitions
- Analysis of socio-economic repercussions of climate policie

05

Improvement in the understanding of how models and policy options can inform each other

- Identifying key policymakers or audiences with influence on national policy
- Stakeholder dialogues

0. Project Management

Workshops started; Model development ongoing

Scenario Protocol presentation tomorrow

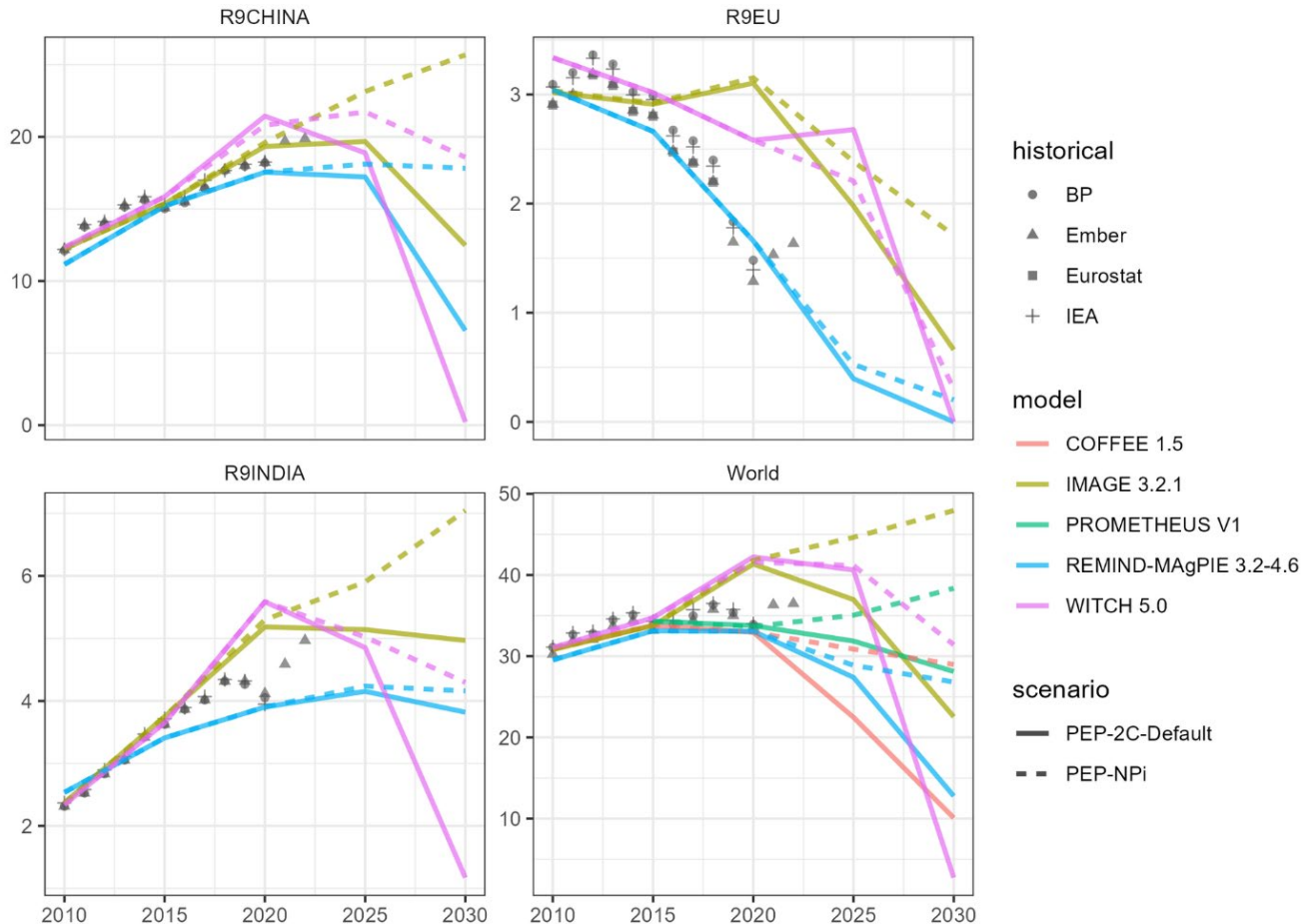
Compare latest technology trends

Sectoral transitions & repercussions

Co-Creation & Working groups

Comparison of technology deployment – model vs. historical data

Secondary Energy|Electricity|Coal [EJ/yr]



- Scenario output by 5 global models vs. various actual/historical data (IEA, Eurostat sources)
- Mostly overrepresentation of coal as electricity technology in global models as of 2017/18

Outlook 2024



PBL Netherlands Environmental Assessment Agency



March 2024

National Modelling & Stakeholder Workshops

COP 29

NDC Update 2025

Research exchanges & Seminars (PBL / IIMA)

National model development (IIASA / ZJUT)

Scenario runs (CMCC / TU)

Compare latest technology trends (PIK / IU-HCMC)

Short-term policy analysis & sectoral transitions (PBL/TERI/E3M)



Thank you for your attention!