

PARIS
REINFORCE



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Enhancing climate policy through co-creation

An introduction to PARIS REINFORCE

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www.paris-reinforce.eu

Title: Delivering on the Paris Agreement: A demand-driven, integrated assessment modelling approach (PARIS REINFORCE)

Funding: European Union's Horizon 2020 Research and Innovation Programme (H2020)

Lifetime: June 2019 - May 2022 (36 months)

Coordination: NTUA, Energy Policy Unit, National Technical University of Athens

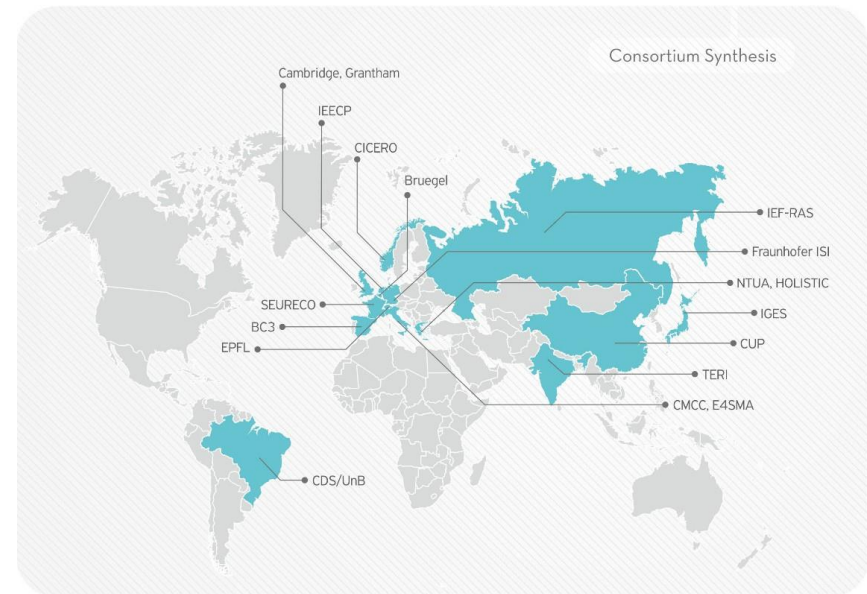
Participants: 13 European partners; 5 international partners

Call/Grant: H2020-LC-CLA-01-2018/820846



The PARIS REINFORCE project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 820846.

NTUA - National Technical University of Athens	GR
BC3 - Basque Centre for Climate Change	ES
Bruegel - Bruegel AISBL	BE
Cambridge - University of Cambridge	UK
CICERO - Cicero Senter Klimaforskning Stiftelse	NO
CMCC - Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici	IT
E4SMA - Energy, Engineering, Economic and Environment Systems Modelling Analysis	IT
EPFL - École polytechnique fédérale de Lausanne	CH
Fraunhofer ISI - Fraunhofer Institute for Systems and Innovation Research	DE
Grantham - Imperial College of Science Technology and Medicine - Grantham Institute	UK
HOLISTIC - Holistic P. C.	GR
IEECP - Institute for European Energy and Climate Policy Stichting	NL
SEURECO - Société Européenne d'Economie SARL	FR



CDS/UnB - Centre for Sustainable Development of the University of Brasilia BR

CUP - China University of Petroleum-Beijing CN

IEF-RAS - Institute of Economic Forecasting – Russian Academy of Sciences RU

IGES - Institute for Global Environmental Strategies JP

TERI - The Energy and Resources Institute IN



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Policy

EU-level: next **NDC**; national level: **NECPs**

Sectoral analyses for **detailed EU 2050 roadmap**

All ten **major emitters**; other **less emitting** countries

Forum for discussing **game-changing** topics

Society

Co-creation: needs scenarios, assumptions

Enhanced **transparency & legitimacy**

Improved **understanding of models**

Research

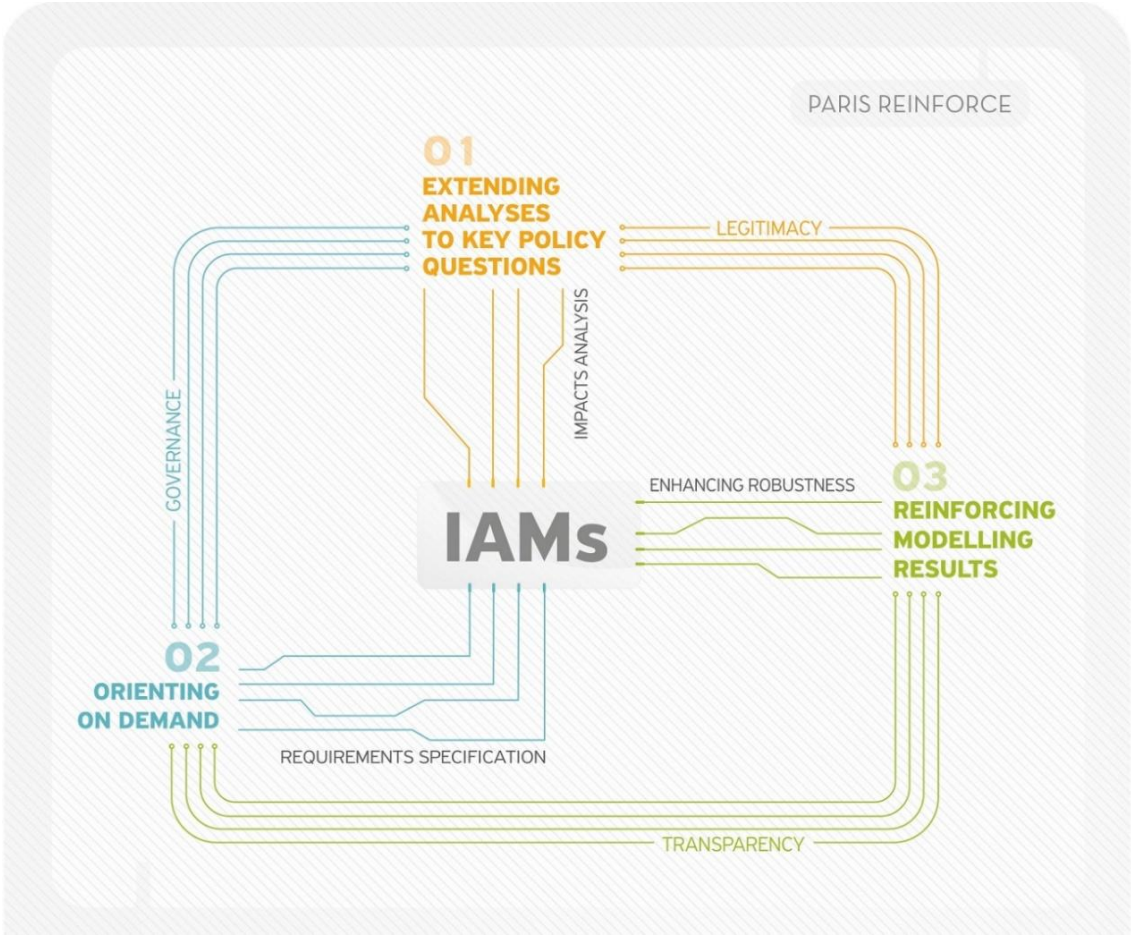
I²AM PARIS: open access, multi-modelling, data exchange platform

New **paradigm**: modelling **ensembles**, **robustness** analysis, systems of innovation

IPCC **AR6** & other assessments: **reviews**, **global** analyses & **inter-comparisons**

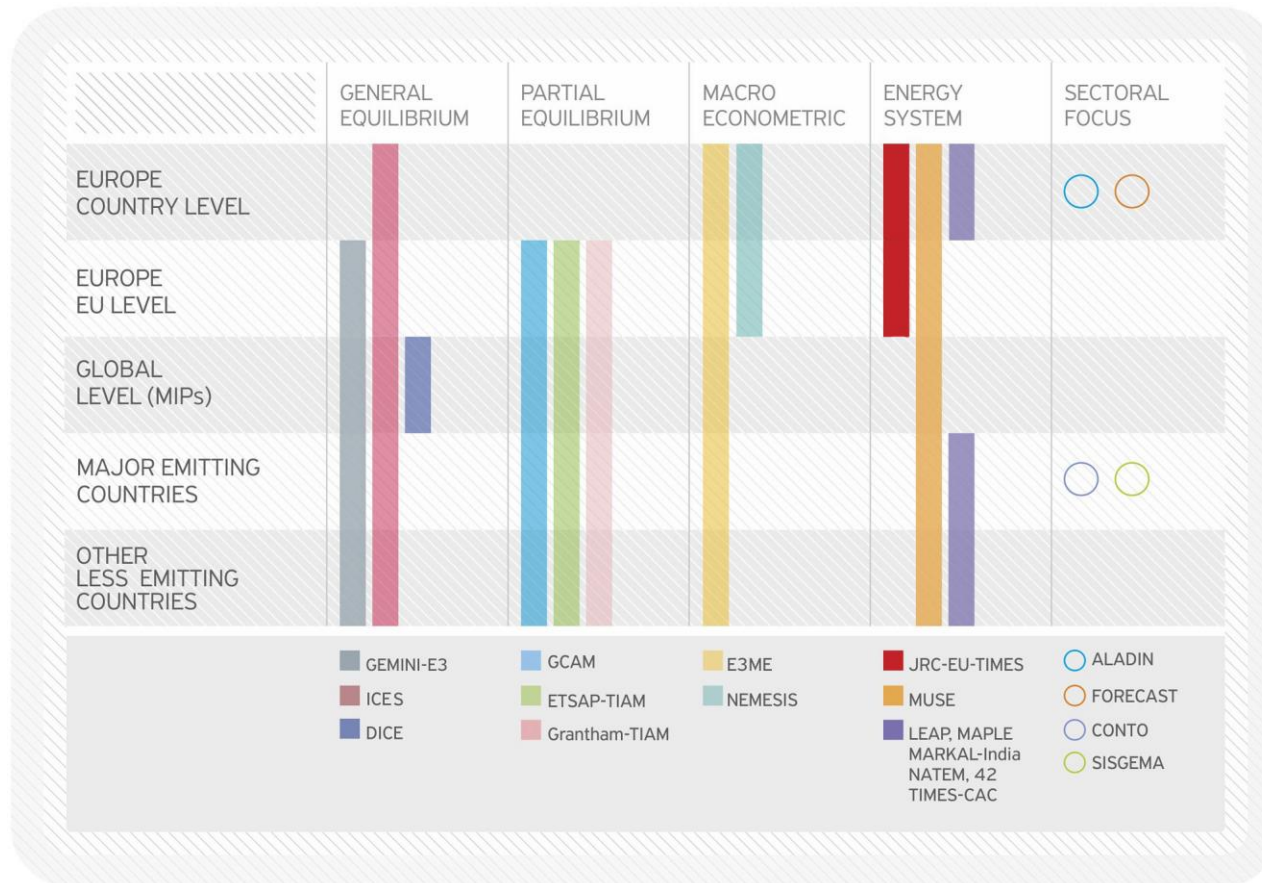


PARIS REINFORCE consists of **four fully interconnected pillars**



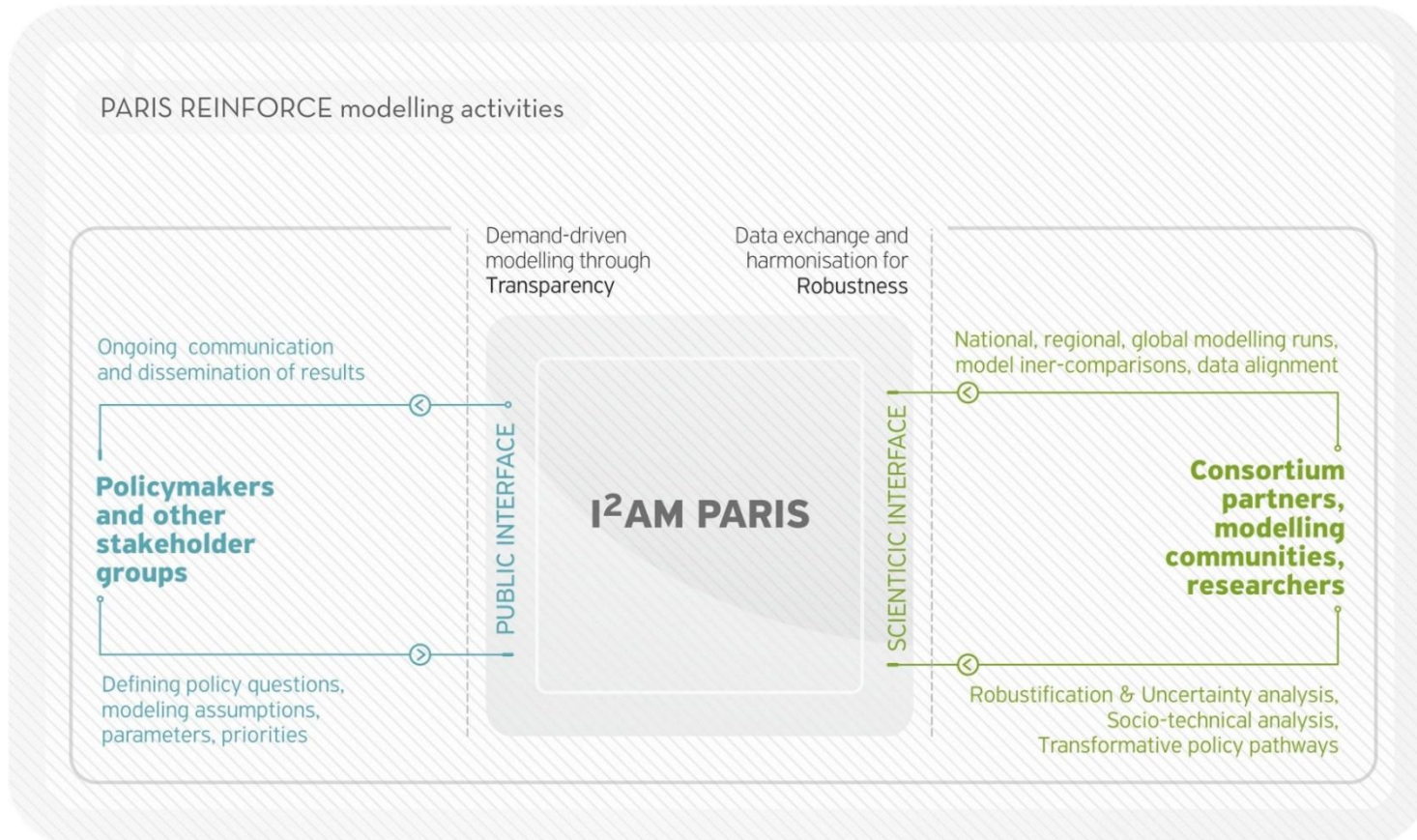
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A set of **complementary**-in terms of mathematical structure, geographical, sectoral and focus coverage-**integrated assessment, energy system** and **sectoral models**

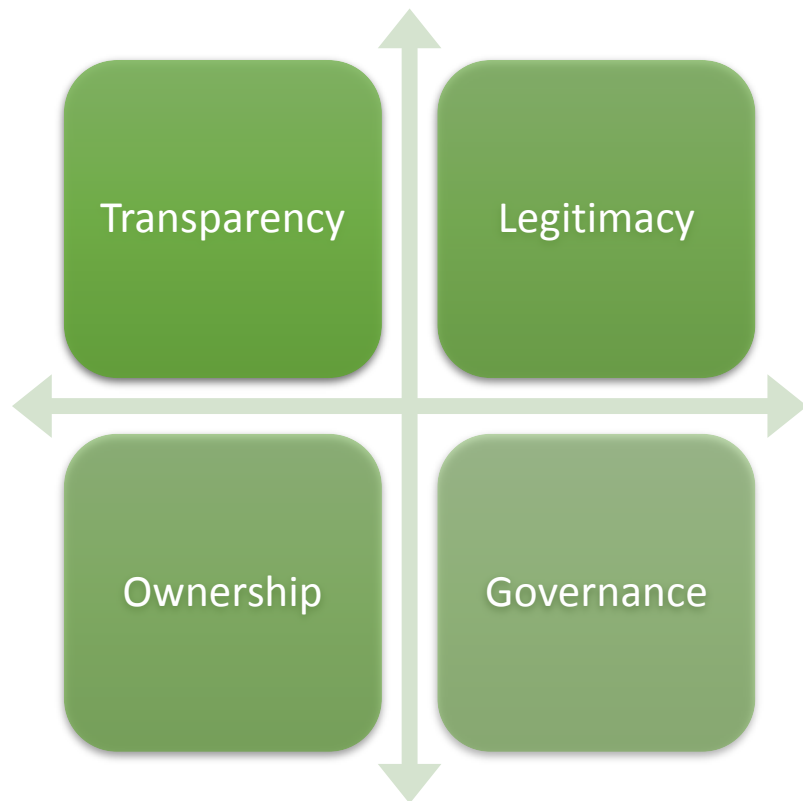


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All **modelling activities**, including scenario inputs and assumptions, datasets, modelling outputs, and visualisation will be streamlined in an **open-access data exchange platform**



The **ongoing stakeholder engagement module**, led in the project by **Bruegel**, orients on the **Stakeholder Council**, a broader body envisaged to encompass stakeholder groups, in line with the values of the **Talanoa dialogue**.



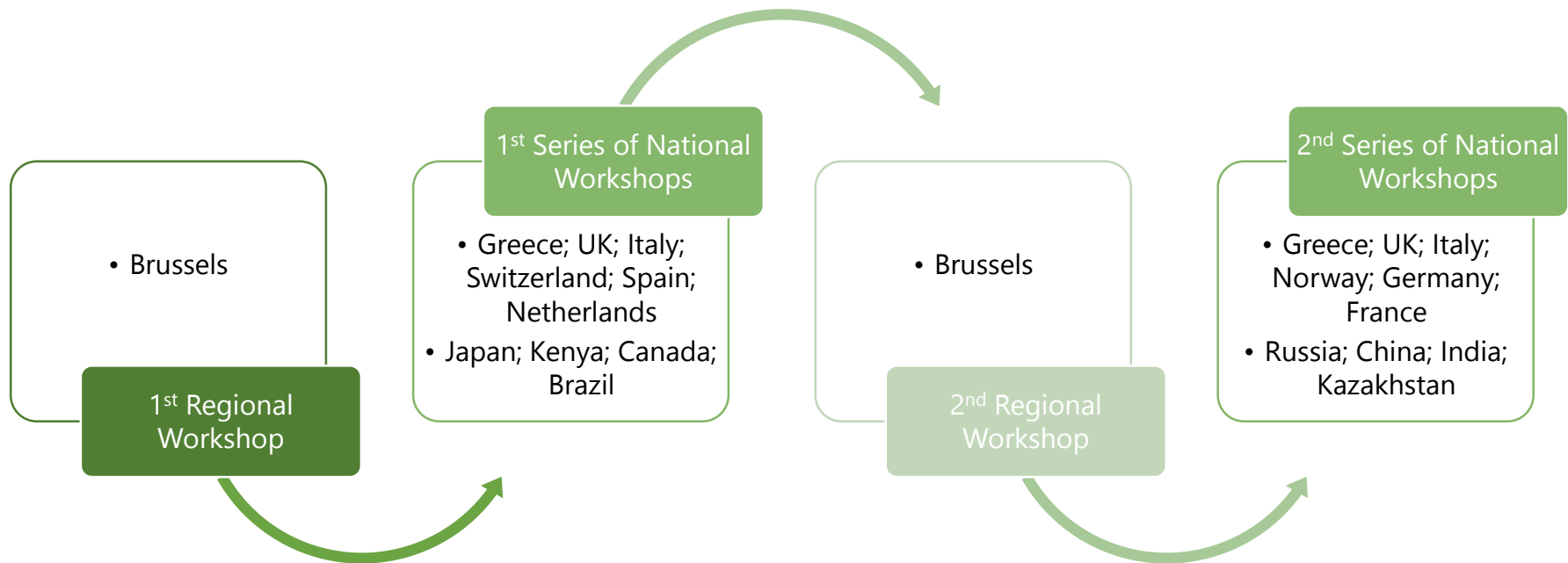
Enables stakeholders to influence and contribute to the scientific processes, in the PARIS REINFORCE co-creative structure.

- Driving modelling activities, by deciding on the **policy questions** that the project will take on, and expressing **preferences** that will help formulate the **scenarios**.
- Engaging in **two series of regional and national workshops**, as well as via bilateral communications.
- Representing societal, business, policy and science groups (**policymakers, governments, industry representatives, academics, scientists, NGOs, civil society**).
- Stored in a private, **enhanced stakeholder database**.



Building **ownership** and ensuring **policy relevance**, through **co-creation**.

Two modelling iterations – two series of national/regional workshops (European and global)



Since June 2019, we have made progress on

- Enhancing **transparency**: detailed, easy-to-digest description and documentation of all models to be used in the project, aimed at policymakers and other stakeholder groups
 - Policy brief on “What can our models do?” (hand-out)
 - I²AM PARIS platform prototype (link provided)
 - A series of detailed documentation reports of each model along with comparative assessments

- Enhancing **policy support** through:
 - stakeholder-driven climate (policy) risk analysis against multiple criteria, evaluating consensus, and policy/technological uncertainty assessment
 - socio-technical analysis for informing models, analysing robustness of modelling outcomes, and exploiting stakeholder knowledge.

Published Papers:

Contested energy futures, conflicted rewards? Examining low-carbon transition risks and governance dynamics in China's built environment. *Energy Research & Social Science*, 59, 101306, 2020.

Integrated policy assessment and optimisation over multiple sustainable development goals in Eastern Africa. *Environmental Research Letters*, 14(9), 094001.



09:40 – 10:40

Can our models deliver what you need?

Session Chairs: Ajay Gambhir (Imperial College London), Georg Zachmann (Bruegel), Dirk-Jan van de Ven and Jorge Moreno (Basque Centre for Climate Change)

Interactive presentation of what the PARIS REINFORCE modelling ensemble can/cannot do (mitigation/adaptation technologies, policy instruments, sustainable development goals, etc.)

10:40 – 12:00

Co-designing the open-access, data-exchange I²AM PARIS platform

Session Chairs: Alexandros Nikas (National Technical University of Athens), Alevgul Sorman and Ester Galende (Basque Centre for Climate Change), Vangelis Marinakis (HOLISTIC)

1. Presentation of motivation and initial concepts of the platform, as well as added value for (a) policymakers and other stakeholders, and (b) researchers/scientists (including mock-ups)
2. Co-design of the final (documentation, analysis, visualisation) specifications of the platform



Defining the policy questions

Three afternoon sessions provide an opportunity for all stakeholders to engage in parallel discussions over the most pertinent climate policy questions, within the below fields. Guidelines for discussion will be provided; it is envisaged that, in the spirit of co-creation, these three sessions are stakeholder-led.

13:00 – 13:55

Global threat, global pathways: designing policy-relevant scenarios

Session Chairs: Glen Peters (CICERO Centre for International Climate Research), Alexandre Koberle (Imperial College London), Marc Vielle (EPFL, Swiss Federal Institute of Technology), Alexandros Nikas (National Technical University of Athens)

13:55 – 14:50

A Paris-consistent Europe: aligning national (NECPs), regional (EU NDC) & global action

Session Chairs: Joeri Rogelj, (Imperial College London), Andrea Herbst (Fraunhofer ISI), Rocco De Miglio (E4SMA), Haris Doukas (National Technical University of Athens)

14:50 – 15:45

Sustainable climate action: socioeconomic implications, distributional effects & SDGs

Session Chairs: Annela Anger-Kraavi (University of Cambridge), Baptiste Boitier (SEURECO), Lorenza Campagnolo (Euro-Mediterranean Centre on Climate Change), Zsolt Lengyel (Institute for European Energy and Climate Policy)





Thank you!

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