PARIS
REINFORCE

Towards net-zero and SDGs: challenges and opportunities from present turmoil, Venice, July 5, 2022

Introduction to the PARIS REINFORCE project

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www.paris-reinforce.eu

Overview

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 - November 2022 (42 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.

Consortium

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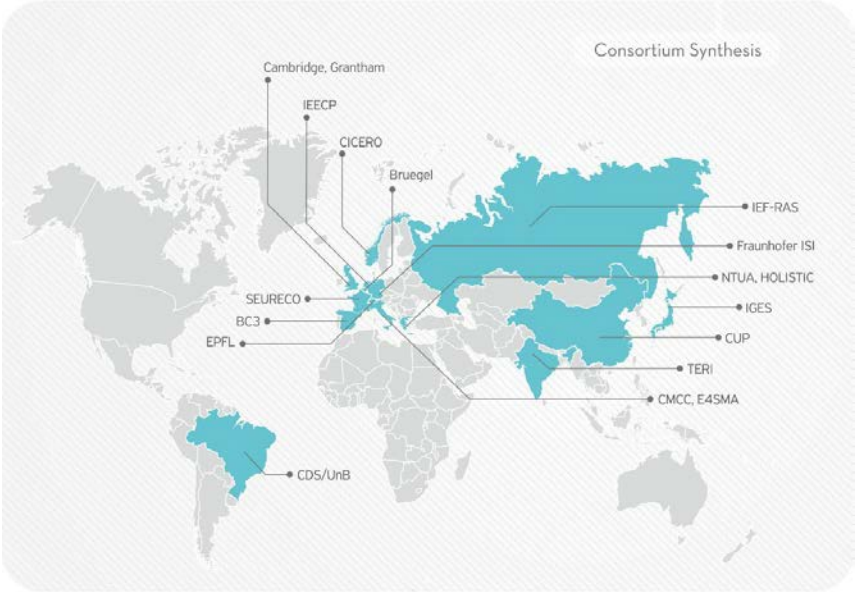
NTUA - National Technical University of Athens	GR
BC3 - Basque Centre for Climate Change	ES
Bruegel - Bruegel AISBL	BE
Cambridge - University of Cambridge	UK
CICERO - Cicero Senter Klimaforskning Stiftelse	NO
CMCC - Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici	IT
E4SMA - Energy, Engineering, 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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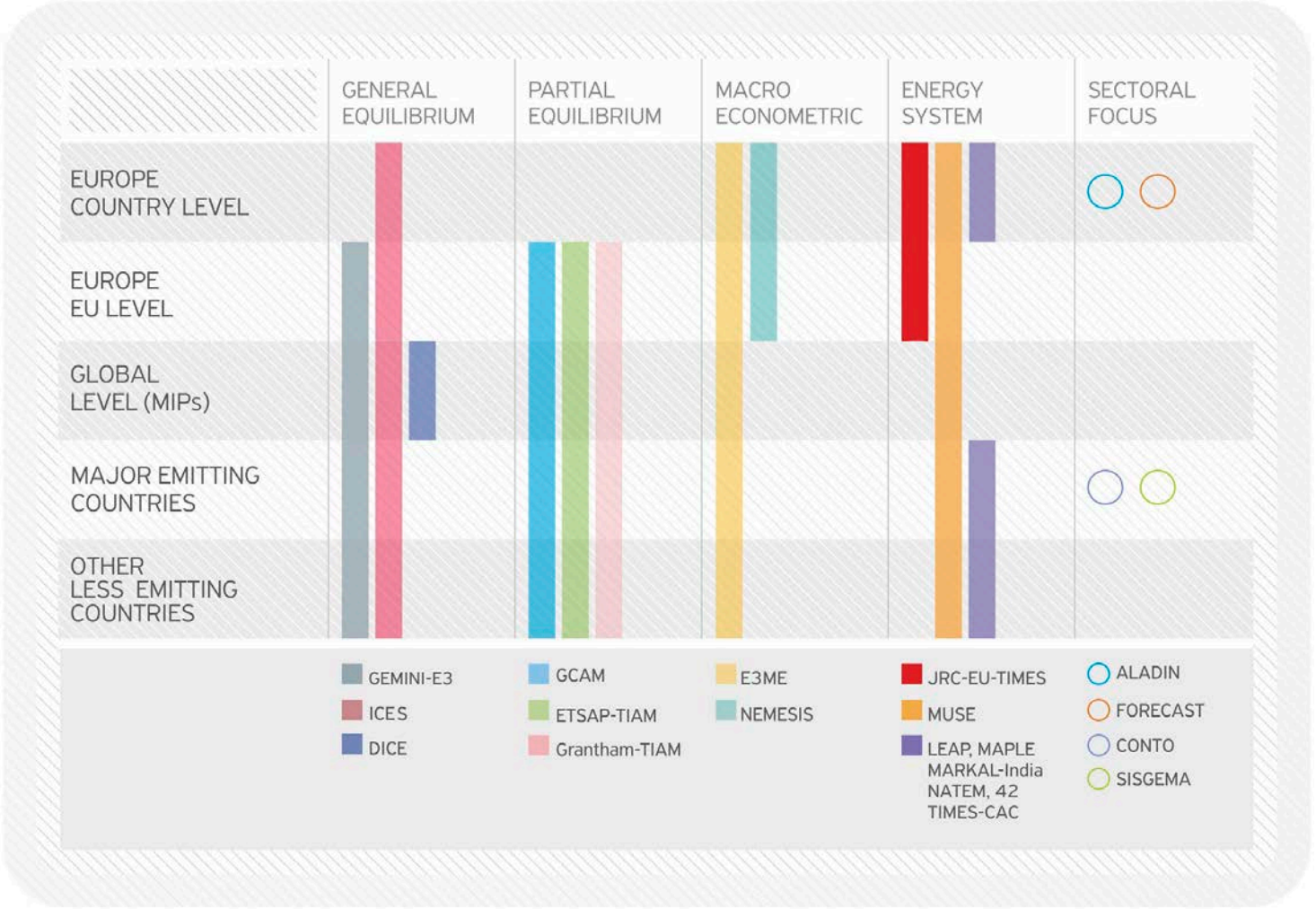
Modelling Ensemble



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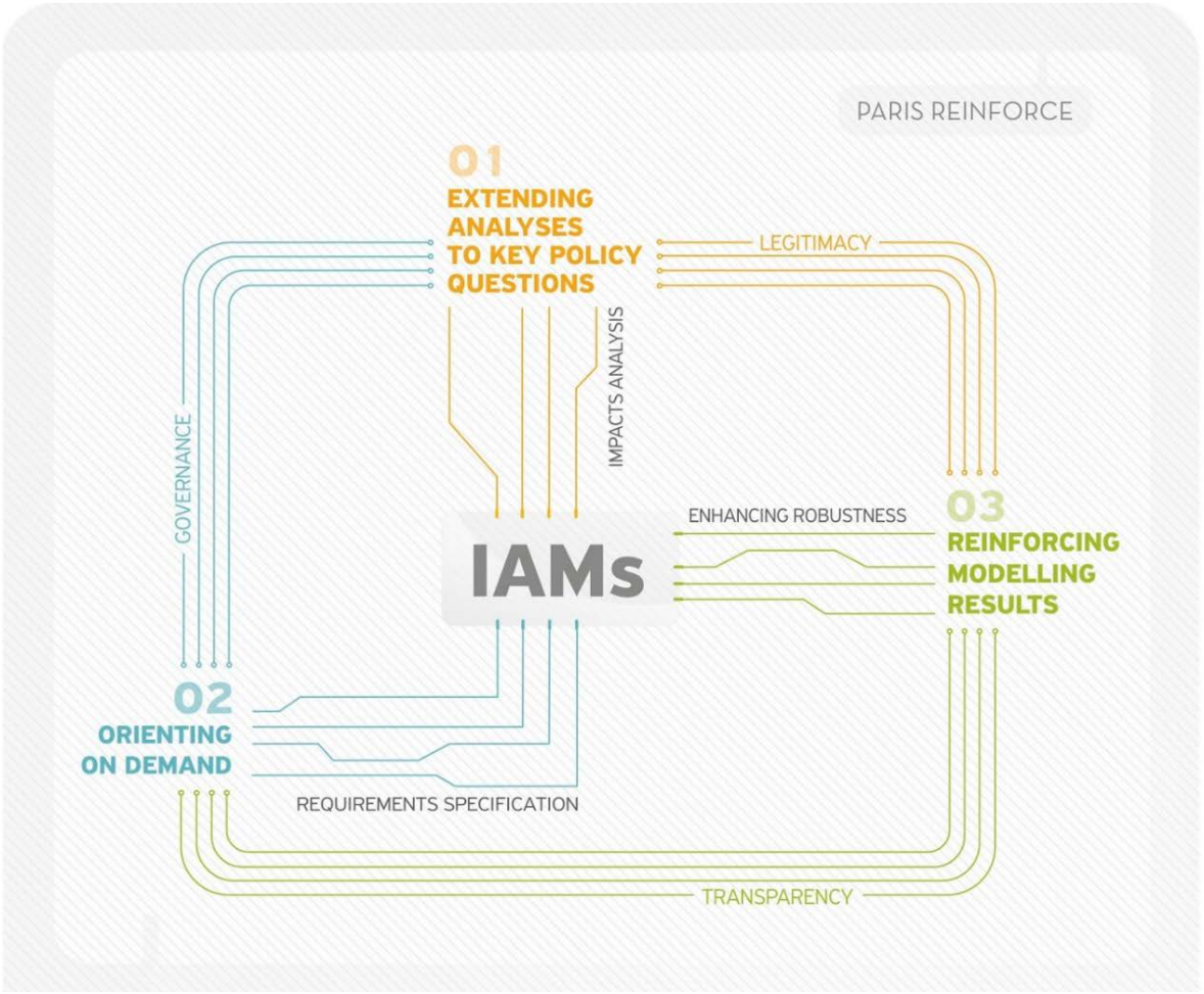
From Integrated to Integrative



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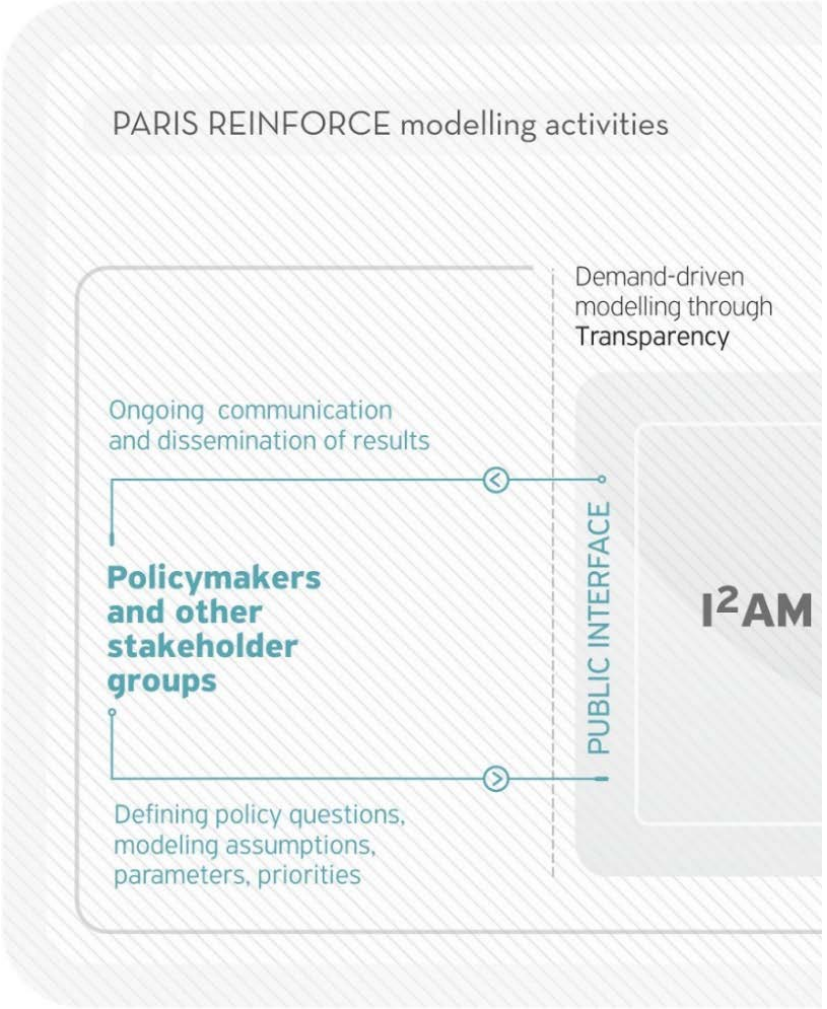
The I²AM PARIS public interface



- You may find a detailed, dynamic, and comparative documentation of all PR (and non-PR) models & harmonisation heatmaps across models, including a policy brief on modelling capabilities ('What can our models do?').
- In theme-specific workspaces, you may find a user-friendly presentation and visualisation of policy-relevant results and policy prescriptions, in response to co-created policy/research questions, as well as libraries with relevant papers and policy briefs.

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Results available in I²AM PARIS

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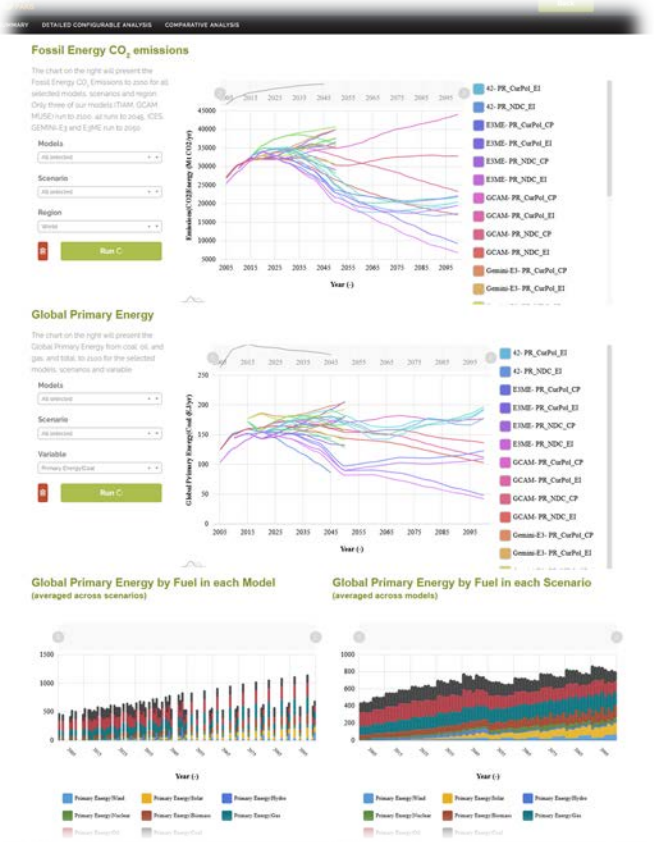
http://i2am-paris.eu



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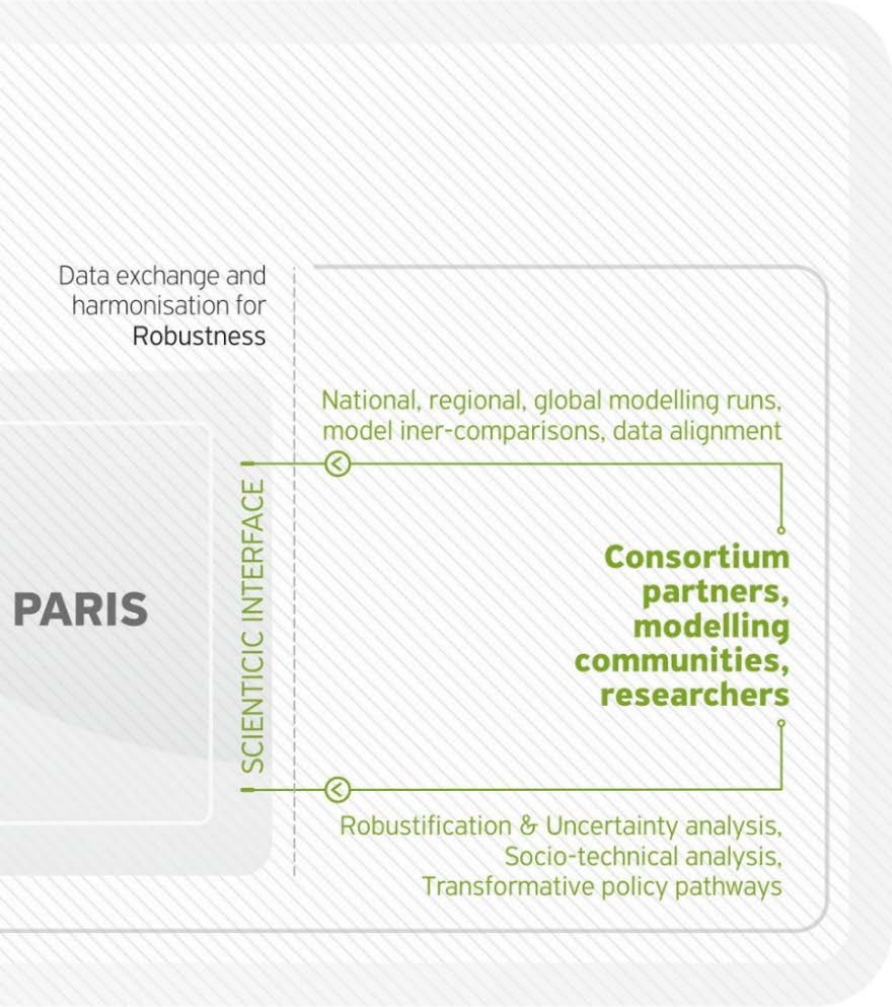
The I²AM PARIS scientific interface

- All modelling teams can provide a detailed documentation of their model(s), so that we can include it in our database and documentation.
- Like the public interface, experts can also view the advanced scientific presentation of modelling results, databases, etc.; as well as access similar templates to provide us with the topics (research questions) they have addressed, as well as their modelling inputs and results to host in I²AM PARIS.



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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**

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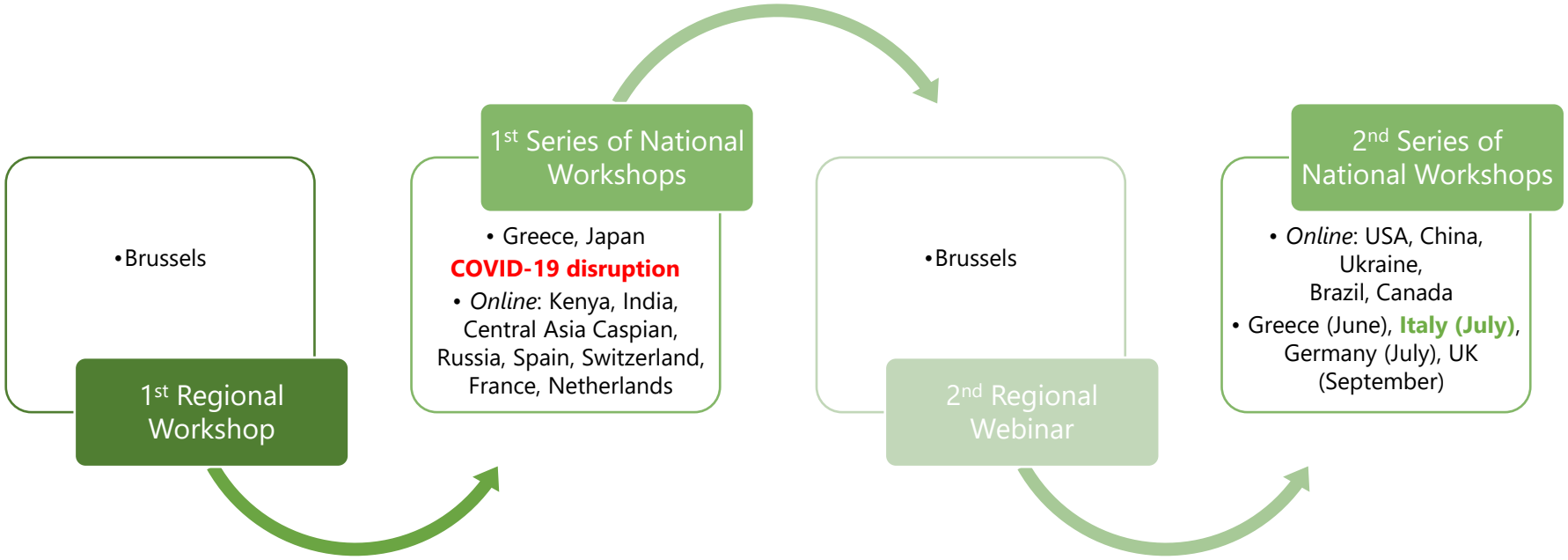
Almost there!



- Delving further into cross-model differences (nuanced diagnostics)
- Analysis of employment implications of mitigation, considering market imperfections
- Co-designed, Paris Agreement-compliant mitigation scenarios
- Regional analysis of trade-offs and co-benefits between mitigation and progress on SDGs

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Thank you!

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