

UNFCCC COP30

The Climate-Development Nexus: Equity, Development, and Finance in Net-Zero Pathways

**New Activities:
Development focussed socio-economic projections and
National Scenarios**



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Date: 18^h November 2025 [14:45 – 15:45 Brazil Time]

Context

- Recent literature has highlighted the need for **strengthening the development perspective** in mitigation, adaptation and sustainable development pathway research (Soergel et al., 2024)
- Need to incorporate the **views of a wide range of stakeholders** at different levels, including international experts, cross-regional organizations, **national governments, regional institutions, local agents, and citizens** (Galende-Sánchez & Sorman, 2021)
- Need for **temporal and geographical coverage (national, local)** has since a more detailed granularity is required to better inform the **policy debate** (Mulugetta et al., 2022; Peng et al., 2021)

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NEWPATHWAYS: Expression of Interest

Designing New

Development Focussed Socio-economic Projections (DSPs)



NEW 
PATHWAYS



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Expression of Interest in DSPs

Objective: to support the use of **development focused socio-economic projections (DSPs)** as input for a new set of global mitigation pathways.

We welcome collaboration with research teams that:

- Are currently contributing, or considering to contribute, to the development of DSPs,
- Have **expertise** in related fields such as macro-economic projections, demographics and development economics,
- Are committed to open science, and
- Are affiliated with universities or other public research institutions, preferably located in the [Global South or with strong ties to institutions in the Global South](#).

Submission by

end of 2027

- Narrative
- Quantitative



Access the full

**Expression of
Interest**

Next Steps

- **Tentative Approach**
 - **Bottom-up**: UN population, National economic growth rate from national teams/consortium/forums. Feasible when compared with the other two approach
 - **Top-down**: Team works on narrative at global level and downscales region to country, and shares GDP estimates with national teams/experts for feedback
 - **Hybrid**: Integrating the two approach
- **2-3 online workshops**
- **Funding opportunities**
- **Timeline** : TBD discussed with consortium to submit by December 2027



IAMC – Integrated Assessment Modeling Consortium

Climate - Development Nexus (COP30)

IAMC SWG on National Scenarios

Saritha Sudharma Vishwanathan (KU, IIMA)

Shinichiro Fujimori (KU, NIES, IIASA), Roberto Schaeffer (COPPE/UFRJ)

Acknowledgement:

Scenario data: Modelling Teams [National, Regional, Global, Subnational]

Vetting process: Anuj Pathak (PhD Student, KU), Shoyeb Khan (Research Associate, IIMA), Alauki Patel (Research Associate, IIMA)

Registration: Phillip Hackstock (Research Software Programmer and Data Steward, IIASA)

David Almeida (Research Software Programmer, IIASA)

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Registration and Submission

+100 teams – Interest Survey

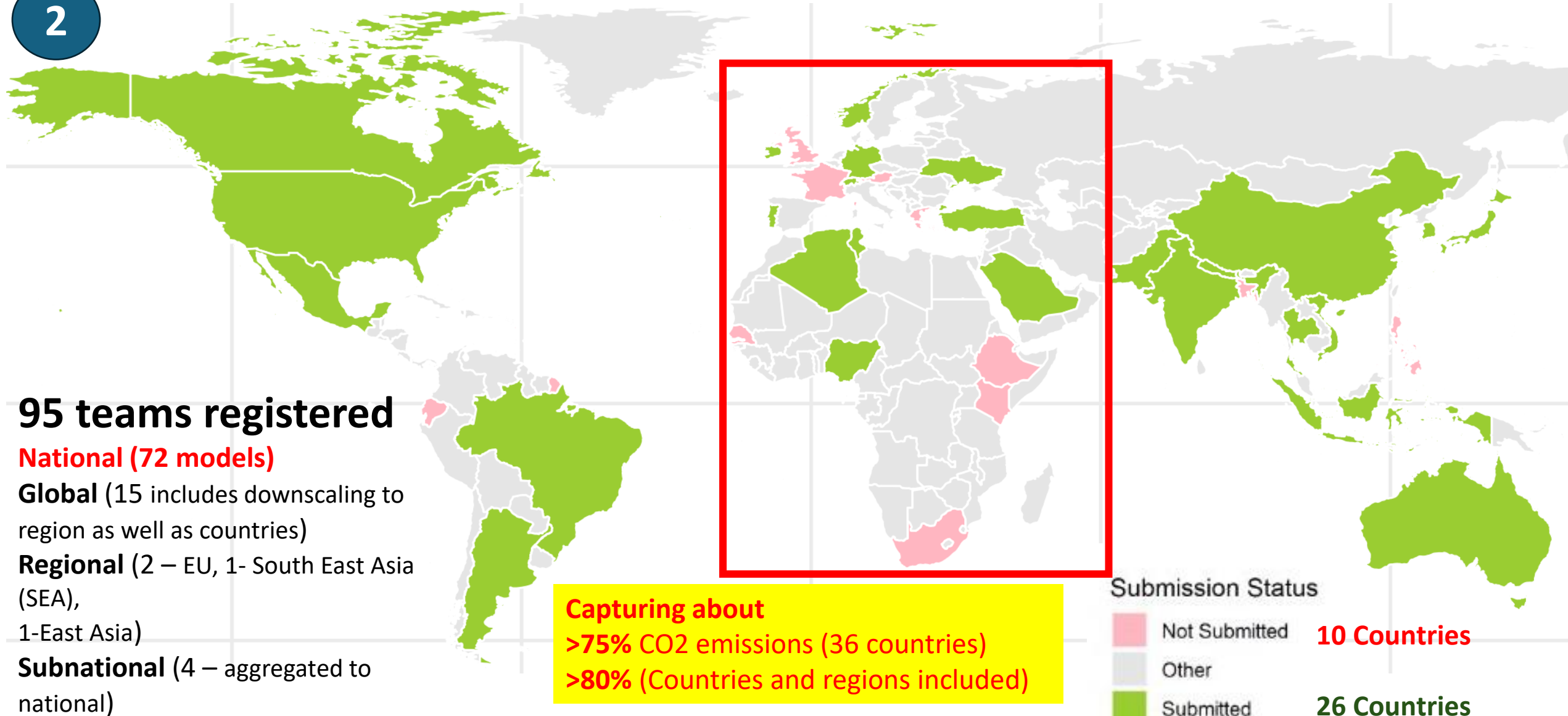


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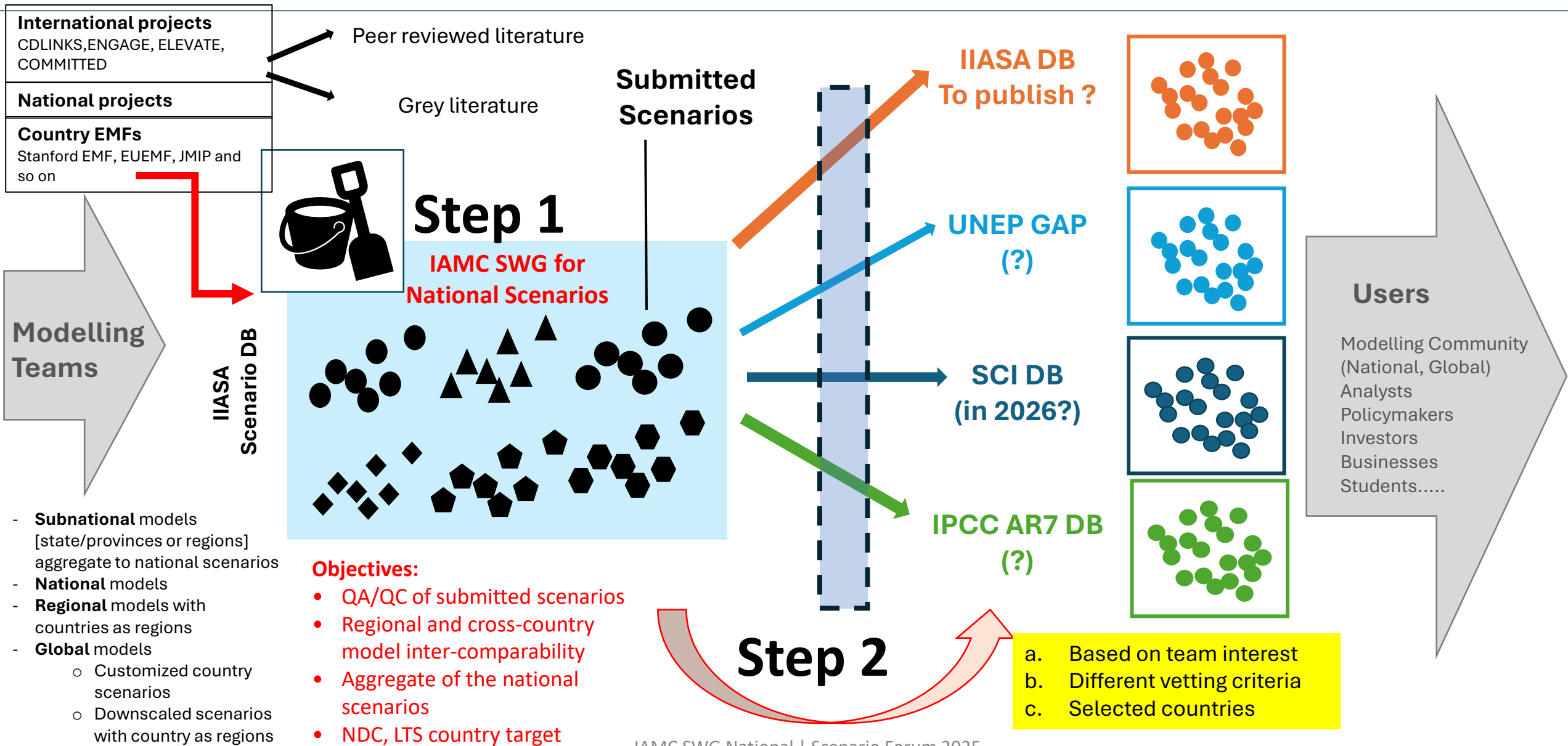
Confidential

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IAMC SWG National Scenarios

Initial figure courtesy:
Scenario Compass Initiative
Figure updated to understand
IAMC SWG National work-flow



Modelling Teams

- **Subnational** models [state/provinces or regions] aggregate to national scenarios
- **National** models
- **Regional** models with countries as regions
- **Global** models
 - o Customized country scenarios
 - o Downscaled scenarios with country as regions

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	SWG National Objectives	Status
1	Promote standardization among national scenario development activities to <u>increase comparability and use in assessment</u> of international climate policy	Phase I in progress [+100 teams, 36 countries] IAMC Template with 180 variables Vetting variables – Emissions, Energy, AFOLU Increase scenario data variables? Reference Data discussion need at country level [PRIMAP]
2	<u>Inter-linking national</u> activities to global activities	<i>Work in progress</i> Scenario Compass Global level: UNEP Gap (Request), Network for Greening the Financial Systems (NGFS) ?, IPCC AR7 WGIII processes?
3	Provide a platform for sharing best practices to build capacity through the exchange of information. This includes (but is not restricted to) national scenario development, model inter-comparison and assistance with common reporting DBs.	Webinars : Asia, Latin America, DDP Network New Survey of National Sectoral Submissions Survey
4	Facilitate and support dialogue between IAMC community (global, regional, national) and national scenario users through outreach and communication activities.	<i>Work in progress</i> Webinars [IAMC website] Feedback: India [First phase completed] Planned: Feedback S. Korea (Nov. 2024)
5	Coordinate on archiving, documentation and communication of national scenario data and publications	<i>Work in progress</i> Registration on IIASA DB Publication/s – Under consideration Possible journals : Nature series, Energy and Climate Change, Carbon Managements Synthesis Report

**Thank you for your
time and patience!**

Please contact for further information

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