



Title of the commitment

“National transport pathways to net zero”

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Description of the commitment and its main planned activities

The analytical framework and methods developed by the DDP network and IDDRI enables to co-build realistic national development pathways to net zero to analyze the main strategies of action and related stakeholder-oriented action barriers & levers.

In all economies, the transport sector plays a key role in reaching development and climate goals, and our approach enables to capture all drivers of decarbonization for the transport sector both passenger and freight, as well as the interactions with the other sectors of the energy system and of course the agriculture, forestry and land use system.

For example, on freight, our method captures the transformations of production, consumption and trade and its implications for the supply chain organizations, logistics and freight transport, among others, and facilitate dialogues and co-construction with all policy-relevant stakeholders with action levers in their hands.

To build these scenarios, a very methodical, analytical and scientific approach is taken that can be applied to any perimeter. Using this method and workshops with all the actors including private actors like companies enables to discuss feasibility conditions, assumptions and get feedback to come up with a scenario acceptable and actionable for most of the stakeholders. The leaders of the workshops are always academic entities recognized by the stakeholders involved to ensure impact on the ground as well as independence of thought. For instance, when working on a country freight supply chain, the leader would be an academic institution already interacting with the government of this country either to helping them building their COP decarbonization commitments or any other influential consulting work.

The outputs from the DDP framework combine a clear narrative of the entity freight decarbonization strategy considering a holistic approach with indicators assessing the feasibility of the narrative and the societal transformations linked to it.

Since 2014, more than 20 national pathways to net zero including detailed passenger and freight pathways have been established and have been used to inform national governments and climate strategies.

The commitment is for the years up to 2028 to establish or update national pathways to net-zero with a detailed passenger and freight pathways for the following countries: Ivory Coast, Senegal, Nigeria, Sierra Leone, India, Indonesia, USA, EU, Mexico, Brazil, South Africa, Argentina, China, Uzbekistan, Kazakhstan.

Partners

All the national partners of the Deep Decarbonisation pathways initiative (ddpinitiative.org) in more than 60 renowned academic institutions.

Timeline

Start date: January 1, 2026

End date: December 31, 2028

Endorsing countries and entities

- DG Clima, EU Commission
- AFD, French cooperation
- IKI, German cooperation

Monitoring and evaluation

To monitor the progress, IDDRI will leverage their academic partners in each country to follow at country level the development and mobilisation of these pathways to inform national climate plans and UNFCCC climate communications like the Nationally determined contributions, the Long-term low-emission development pathways (LT-LEDS) and the Global Stocktake.

Additional sources of information

- DDP report 2024: *Making it happen - National pathways to net zero* (<https://ddpinitiative.org/ddp-annual-report-2024/>)
- DDP report 2025: A decade of national climate action – Stocktake and the road ahead (<https://ddpinitiative.org/ddp-report-2025/>)
- for passenger transport (<https://www.tandfonline.com/doi/full/10.1080/14693062.2020.1804817>); freight transport (<https://www.tandfonline.com/doi/full/10.1080/14693062.2024.2412709>); generic DDP methodology (<https://www.nature.com/articles/s41558-019-0442-8>).