

IDDRI submission to the COP 30 Presidency Roadmap on the Transition Away from Fossil Fuels in a Just, Orderly and Equitable Manner on behalf of the JUSTPATH project

Building the COP 30 Presidency Roadmap to enable the development of nationally-led roadmaps to support effective implementation of the transition away from fossil fuels, ensure alignment with countries' socio-economic priorities and inform international cooperation

Responding to question (d): How can a just, orderly and equitable transition best reflect the diverse realities of countries at different stages of development and with different degrees of dependence on fossil fuels?

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Key recommendation:

The COP 30 Presidency Roadmap should be built to enable the development of nationally-led pathways to transition away from fossil fuels. Building from the cross-country lessons of existing national analyses, the COP 30 Presidency Roadmap can provide recommendations for designing effective national roadmaps, that are actionable and that help inform future international processes to enable them to support national transitions.

The COP 30 Presidency Roadmap should therefore i) encourage Parties to submit national roadmaps to transition away from fossil fuel define guidelines describing key elements that they should include, namely regarding national transformations and international cooperation needs and ii) make propositions on how the Second Global Stocktake could consider them in a structured manner, to inform decision-making and guide global cooperation processes.

The COP28 Global Stocktake decision recognizes that transitioning away from fossil fuels (TAFF) in a just, orderly and equitable manner is a key necessary condition to achieve ambitious climate goals. Availability and affordability of low-carbon options are not sufficient to trigger a fast and far-reaching reduction of fossil fuel consumption and production aligned with the Paris Agreement. Proactive strategies are therefore needed to organize the reduction of fossil fuel uses and production. The COP 30 Presidency Roadmap is the concrete opportunity to organize this strategic approach to the transition away from fossil fuels.

To be useful to guide concrete implementation, the Roadmap should encourage the development of national roadmaps as detailed vision of transition patterns at the national scale, where effective transition happens. This means recognizing the national level as the central scale of investigation for the transition away from fossil fuels: to

ensure relevance given the specificities of the national context and to facilitate domestic ownership by the set of decisionmakers and stakeholders who will ultimately drive implementation.

The work conducted by the Deep Decarbonization Pathways (DDP) initiative with in-country research teams in Argentina, Brazil, China, India, Indonesia, Mexico, Nigeria, Senegal and South Africa under the EU-funded JUSTPATH¹ project defines practical methods to support the elaboration of such national roadmaps. Building from a well-established pathways design framework for long-term low emission development strategies², the project

- proposes a detailed structure to analyze the sectoral transformations in fossil fuel uses and production
- supports the development of modelling tools suited to analyze the socio-economic dimensions of the transition away from fossil fuels
- organizes country-level consultations and outreach to maximize relevance and ownership

Building on this work, a national roadmap for transitioning away from fossil fuels should:

- Include a detailed description of the sequencing of actions in each sector, capturing the specificities of national circumstances, including the reality of the current state of progress of the transition within each component of the national economy
- Provide information on the enabling conditions for the national transition away from fossil fuels to be consistent with key development and socio-economic priorities as defined by each country
- Explore key uncertainties and possible bifurcations, analyze risks and opportunities and reveal national and global enabling conditions,
- Be co-created by a critical mass of diverse national experts, stakeholders and decisionmakers to ensure relevance and ownership
- Be informed by science-based evidence and analysis at the national level, by cross-country learning and by international benchmarking

The national roadmaps could then be compiled into a structured cross-country analysis as part of the Second Global Stocktake. This analysis could reveal commonalities across countries, beyond the national specificities and help identify the underlying key drivers of transition away from fossil fuels consistent with the objectives of the Paris Agreement, and therefore providing concrete inputs on how to correct course. For example, the research analysis described in the DDP2024 report "Making it happen: national pathways

¹ <https://ddpinitiative.org/ddp-justpath/>

² Waisman, H., Bataille, C., Winkler, H. *et al.* A pathway design framework for national low greenhouse gas emission development strategies. *Nat. Clim. Chang.* **9**, 261–268 (2019). <https://doi.org/10.1038/s41558-019-0442-8>

to net zero: Reconciling urgent action and transformational change"³, which analyses patterns for transition away from fossil fuels across nine countries, shows the critical role of country-driven shifts in infrastructure and organizations to make the transition away from fossil fuels consistent with domestic socio-economic priorities. Such conclusions emerging from a cross-country comparison of national roadmaps can serve as guidelines for designing context-specific actions supporting the transition away from fossil fuels.

The cross country analysis can also help reveal the global conditions required to support national transition away from fossil fuels, including dimensions related to enhanced international cooperation. Such needs-based approach to international cooperation can provide concrete inputs to the UNFCCC processes dedicated to design adequate mechanisms and help prioritize the conversations according to requirements at national level.

The COP 30 Presidency Roadmap should therefore encourage Parties to submit their national roadmaps and support the conditions for a process of consolidation of insights emerging from the cross-country comparison regarding priority national action and international cooperation needs as part of the Second Global Stocktake.

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³ DDP (2024), DDP Annual Report 2024. Making it happen: national pathways to net zero. IDDRI. <https://ddpinitiative.org/ddp-annual-report-2024/>