Poster Title: Country-driven mid-century low-emission development strategies – Methods and insights from the Deep Decarbonization Pathways Project (DDPP)

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Statement
The invitation for countries to communicate long-term pathways is a key provision of the Paris Agreement, specifically to support domestic implementation and increase of ambition in the 5-year cycles.

The Deep Decarbonization Pathways Project (DDPP) is a global collaborative research initiative which actualizes the process of designing such long-term pathways that reflect national circumstances. And it gives a proof of concept for 6 key domestic benefits that can be expected from doing this exercise:

1. Building emission pathways that are consistent with national circumstances and global climate constraints, thanks to collective benchmarks guiding the country-driven assumptions.

2. Selecting the short-term actions needed to follow transformative pathways in the long term, by starting with the definition of a desirable future and backcasting to it from the present.

3. Ensuring that low-emission transformations are consistent with the satisfaction of domestic development priorities.

4. Supporting the identification of tangible country-specific actions towards low-emission futures, by using transparent and sectorally detailed metrics.

5. Informing the regular revisions of domestic transformations in a context of uncertainties, by making explicit the challenges associated to different possible pathways, at different time horizons.

6. Revealing the domestic requirements from international cooperation to serve as inputs for global stocktake, by identifying the enabling conditions of domestic transformations that depend upon the support from the international community.

In the future, the DDPP will continue to support the efforts on long-term pathways through its engagement in the 2050 Pathways Platform, directed by Laurence Tubiana, and by sharing lessons learnt with new countries requiring technical support, notably in developing countries.