

Agenda item 4 (d) iii. Transformative industry

Draft annotated outline: Policy brief on hard-to-abate industries in updated NDCs

TEC/2024/28/10

Technology Executive Committee, 28th meeting and TEC-CTCN Joint session
16-18 and 19 April 2024, Copenhagen, Denmark



Dietram Oppelt, TEC Vice-Chair

Background

- Activity C.3.1 of the TEC rolling workplan (2023–2027) focusses on promoting low and near zero emission production and products in HAI to inform NDC planning and implementation.
- Industry responsible for about 34% of global emissions, introduction of zero-emission technologies critical for reaching climate targets
- TEC 27 requested the TEC activity group on transformative industry to work on conceptualizing a Knowledge Product for consideration at TEC 28 with a possible completion in 2024
- Potential of inclusion of GHG emission reductions in hard-to-abate industries (HAI) targets in updated NDCs for 2025-2035

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Executive Summary

1. Introduction

- Key findings on HAI from key source like UNFCCC, IPCC, IEA, IRENA
- Summary of findings from TEC mapping paper on transformative industry
- Importance of integrating HAI in NDCs for the 2025-2035 period

2. Objectives and scope

- Support countries with the integration of HAI in updated NDCs
- Information on available policy and technology options for HAI

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3. Policy and technology options for decarbonizing HAI

- **TECHNOLOGIES:** Importance for the transition to zero emission technologies, importance of electrification of industrial processes/ research and development & demonstration, collaboration and knowledge sharing
- **KEY ENABLING ENVIRONMENTS:** like carbon pricing, energy efficiency standards, product carbon footprint/ life cycle assessment standards/ emission threshold and labels for industrial products, green public procurement
- **NON-CO2 GASES:** Phase-out of high global warming potential non-CO2 gases

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4. Implementation

- Multi-stakeholder approaches and cooperation models
- Roadmaps and M&E systems
- Blended finance, de-risk pre-commercial projects
- International collaboration

5. Conclusions and recommendations

- How to integrate HAI targets in updated NDCs, including possible sub-sector and site targets, pathways towards full decarbonization as part of LT-LEDS

Thank you.

