



iets

Industrial Energy-Related Technologies and Systems
An Implementing Agreement established under the auspices of the International Energy Agency

Proposition of a long term ANNEX

« Roadmap/Transition plan for the decarbonisation of
Industry »



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- ⇒ COP 21 context : A lot of « 2° C/1,5° C » roadmaps/scenarios have been produced at International, European, national and/or sectorial level
- ⇒ industrial sector is addressed either at macro level (like Transport, Agriculture, Transport, Building and Energy) or at « sub sectorial » level (Steel industry, Chemical industry, Paper & Pulp industry, etc.).
- ⇒ Relevant and solid materials have been delivered under key projects such as the [Deep Decarbonisation Pathway Project](#) or [Re-Invent](#)

The Annex would be supported by a tangible momentum in several country/organisations



- ⇒ Identify and qualify key expertise centers in each ExCo member countries and beyond (as possible)
- ⇒ Define a step by step process guidance for designing industry roadmaps
- ⇒ Identify key technologies that are critical for a low-carbon transition of industry sectors.
- ⇒ Compile techno-economic information for identified technologies, including current status of development/deployment.



- ⇒ Benchmark energy efficiency indicators for key industrial sectors for ExCo member countries and beyond (as possible)

- ⇒ Discuss the advantages and disadvantages of different methodologies associated with roadmap design :
 - material demand modelling approaches
 - Cost assessment for the industry transition at macro level (OPEX & CAPEX)
 - Employment impact of the industrial transition (direct and indirect)
 - Infrastructure needs assesment

- ⇒ Etc.



- ⇒ First informal discussions have been made with IEA secretariat (Summer 2019) and international experts (Vienna Workshop - October 2019).
- ⇒ First presentation of the concept during the 29th Exco meeting, Espoo/Finland - November, 27-28th 2019
- ⇒ In person « Brainstorm session » in Paris with limited number of experts in Q1 2019
- ⇒ Webinar meeting for Exco Members and international experts in April 2020
- ⇒ Formal presentation during the 30th Exco Meeting (Q2 2020)