

# Defossilisation as the Key Element of a Sustainable Energy Infrastructure for a Sustainable Economy.

F20 High-Level Forum

» Heading towards a New Climate Economy.Shifting the Trillions for a Just Transition «

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## Transforming the energy infrastructures Holistic and symmetric strategies are needed

## 1. Paving the way for the clean options

- energy efficiency, electrification, renewable energies, CCS etc.
- technologies & market design

## 2. Designing the exit-game for the non-sustainable capital stocks

- coal, fossil hydrocarbons, high-carbon industrial processes
- just transition

## 3. Triggering the necessary infrastructure adjustments with sufficient lead-times

- electricity, gas, heat, hydrogen, CO<sub>2</sub>, transport
- upgrade, downgrade, overlay and transformation

## 4. Making innovation work in time

- innovation, upscaling/lead markets, broad market penetration
- innovation roadmaps for the different phases of the transformation

## Transforming the energy infrastructures The role of the G20

### 1. Exchanging best practices

- targets, strategies and implementation mechanisms
- technologies & market design
- just transition

## 2. Developing rational policy mixes

- comprehensive approaches for transformative modernisation
- making enlightened use of carbon pricing
- coordinated approaches for dealing with carbon leakage

### 3. Creating an enabling framework for the new international interrelations

- governance system for internationally traded green energies (e.g. hydrogen)
- greening the value chain of resource-intensive defossilisation options

# Thank you very much

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