Agenda item 5 (b) ix.

Analysis of policy and technology options for encouraging behavioural changes

TEC/2019/19/9

Technology Executive Committee, 19th meeting
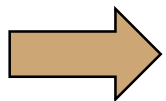Bonn, Germany, 16–19 September 2019

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Background

- Activity resulted from **plenary and break out group discussions** at TEC 18

- TEC envisages it will undertake it as **part of its new rolling workplan** for 2019-2022

- TEC Chair and Vice-Chair decided to **prepare a concept note** to **kick off discussion** on this matter and **seek guidance** from the TEC on further work

- **Behavioral changes** in climate change context **increasingly important**

- **IPCC Special Report** on Global Warming of 1.5°C (Presentation by Prof. de Coninck at TEC 18)

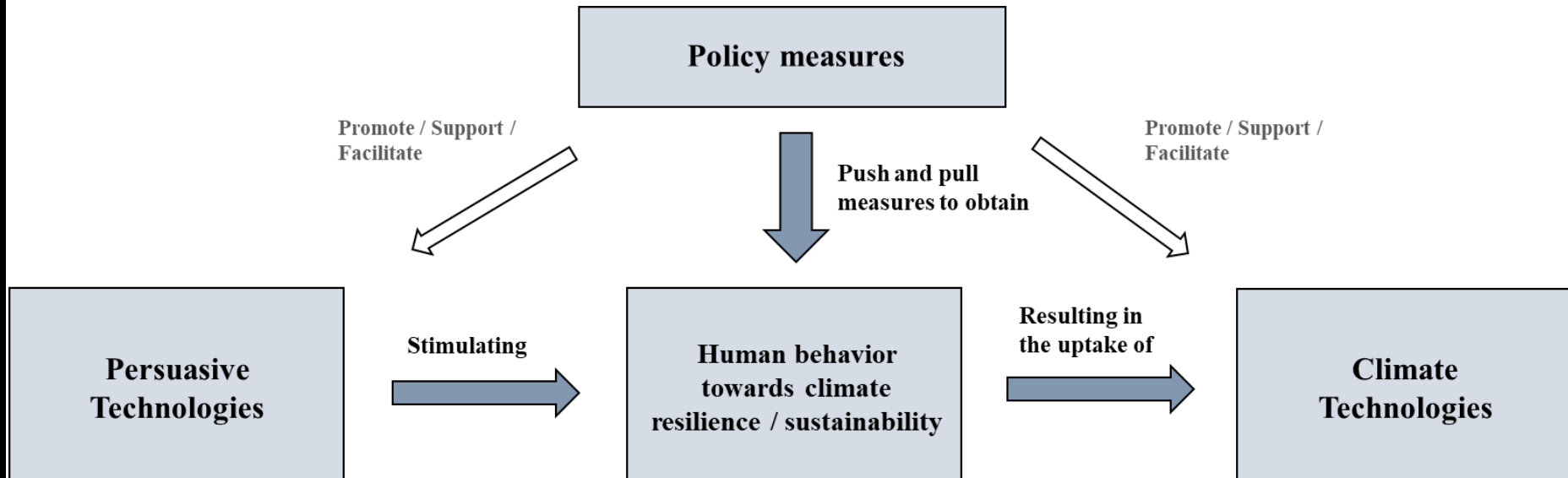**Includes** behavioral changes by **individuals** and **organizations**

Potential of behavioral changes in climate change context

- **25 percent** reduction of CO_2 footprint in European Union in comparison to business as usual (Moran et al.2018).

- **19-36 percent** of global emission reduction from 2020-2050 by **drastic changes** in behaviour possible (Williamson et al. 2018).

- Highest potential lies in:

  - **Energy use reductions**

  - **Transport** and

  - **Dietary change**

Technology examples

- **Persuasive technologies**

  o Feedback technologies

  o Information technology

- **Climate technologies** taken up more frequently

  o Efficient appliances (Air conditioning, heating)

  o Building insulation

  o Electric vehicles

Policy examples

- **Push measures** (preventing undesired behaviour)

  o Regulations

  o Building codes

- **Pull measures** (rewarding sustainable behaviour)

  o Subsidies

  o Tax exemptions

Key stakeholders

- United Nations organizations

- Intergovernmental and international organizations

- Private sector

- Academia and research

- Governments

- NGOs

Possible work for the TEC

#	Activities	Deadline
1	Prepare a technical paper on policy and technology options for encouraging behavioural changes, based on existing data and literature. Possible elements of a technical paper could include the following: i) Key behavioural changes on different levels of society, key policies and technologies for encouraging behavioural changes and their potential impacts on both mitigation and adaptation to climate change; ii) Key policy challenges related to encouraging behavioural change to stimulate the uptake of existing clean technology solutions, including indigenous knowledge and technologies. Noting that many challenges are often dependent on specific local, national or regional circumstances; iii) Ways for policy-makers to effectively support encouraging behavioural changes to stimulate the uptake of existing clean technologies.	2021
2	Hold an event on policy and technology options for encouraging behavioural changes (format, location and timing to be decided by the TEC). This event focuses on the three elements of the technical paper listed above.	2022
3	Develop a TEC Brief and recommendations to the COP.	2022
4	Disseminate the TEC brief and recommendations to key stakeholders.	2022

TEC consideration

➢ The TEC is invited to…

…**consider** the concept note, including the **possible activities** that it could undertake on policy and technology options for encouraging behavioural changes, and **provide guidance** on further work on this issue.

- What **scope of the work** does the TEC envisage?

- Which **next steps** should be taken on this topic?

Thank you!

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