Session 8: The Way Forward

Re-capping and looking ahead

Thursday, 08 OCTOBER 2020 • 14:00-16:00 GMT+2
# Session overview

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Please make sure to **mute** yourself during the session to avoid background noise.

If you have questions for our panelists, please use the **Q&A**.

Use **Chat** feature to introduce yourself & talk to other participants.

The session is **livestreamed** & **recorded**. Recording will be available in a public domain. No Chatham House rules apply.
Key takeaways and reflections on this week’s discussions
Key takeaways and reflections on this week’s discussions

Dr Dolf Gielen
Director
IRENA Innovation and Technology Centre
Panel I: Climate Action in the Industry and Transport Sectors
Panel I: Climate Action in the Industry and Transport Sectors

Moderator

Elizabeth Press
Director Planning and Programme Support
IRENA

Panellists

Gonzalo Muñoz
High-Level Climate Champion
Chile

Catherine Bremner
Director of International Climate & Energy,
Department for Business, Energy and Industrial Strategy
UK
Panel II - Public private discussion on policies to support the transition
Panel II: Public private discussion on policies to support the transition

Dr Rabia Ferroukhi

Director
IRENA Knowledge, Policy and Finance Centre
Policies to support the energy transition in industry and transport

Dr. Rabia Ferroukhi
Director of the Knowledge, Policy and Finance Centre (KPFC)
Policy frameworks need to take a systems approach with more fully integrated policies across sectors
Policies to enable the transition pathways for heating and cooling

- Renewable-based electrification
- Renewable gases (biomethane and Green Hydrogen)
- Sustainable use of biomass
- Direct use of solar thermal
- Direct use of geothermal heat
- District heating and cooling
Policies for sustainable bioenergy

• Bioenergy will have essential roles in the transformation of all end-use sectors
• Significant potential will be for long-haul transport and some heavy industries
• Financial, regulatory and technical barriers impeded the development
• Policies are needed to maximise synergies with agriculture, forestry, and waste management
Policies for electrification and sector coupling include:

- financial support
- power market reforms
- tariffs redesign
- infrastructures upgrades
- minimum performance standards
- quality assurance

Indirect electrification, through Green Hydrogen, is also getting more and more attention...
The drivers of the “new wave” of green hydrogen

- Focus on all sectors
- Decreasing VRE cost
- Commitment to net zero
- Actor diversity
- Technology maturity
Four pillars for green hydrogen policy making

1. National hydrogen strategies
   - Vision
   - Strategy
   - R&D programs
   - Roadmap
   - Analyses

2. Governance system and enabling policies
   - Advisory council and sectoral tables
   - Workforce development
   - Codes, standards and regulations
   - Level the playing field
   - Research priorities

3. Guarantees of origin
   - Lifecycle emissions
   - Labeling
   - Production method
   - Secured transaction
   - Internationally accepted
   - Robust, reliable

4. Establish policy priorities
   - Renewable power
   - Electrolysis
   - Transport
   - Storage
   - Refueling
   - Power
   - Buildings
   - Industry
   - Transport

Vision
Strategy
Advisory council and sectoral tables
Workforce development
Codes, standards and regulations
Level the playing field
Research priorities
Lifecycle emissions
Labeling
Production method
Secured transaction
Internationally accepted
Robust, reliable

#IVIW2020
A systems approach for technology, policy and socio-economic structures

Socio-economic benefits

- Cumulative GDP gain of USD 98 trillion
- +2.0% GDP on average between 2020-2050 compared to PES
- 21.8 million additional transition-related jobs compared to PES
- +13.5% Welfare improvement compared to PES

#IVIW2020
Thank you!
Panel II: Public private discussion on policies to support the transition

Panellists

Young Tae Kim
Secretary General
ITF

Amanda Wilson
Director General
Office of Energy R&D
Natural Resource Canada

Ola Göransson
Deputy Director
Ministry of Environment and Energy,
Sweden

Michael Hackethal
Head of Division - General issues of international energy cooperation, multilateral energy cooperation
BMWi, Germany

Gregory Dolan
CEO
Methanol Institute

Soma Banerjee
Executive Director
Confederation of Indian Industry

Dr Rabia Ferroukhi
Director, Knowledge, Policy and Finance Centre
IRENA
Closing remarks
Closing remarks

Francesco la Camera
Director General
IRENA
Thank you for joining us!

Summaries, slides and session recordings can be downloaded at:
http://innovationweek.irena.org