

**Tuesday, 18 June 2019**

**12:30 – 14:00** Lunch break

**OPENING** Welcome remarks

**14:00 – 14:40**

- **Fatih Birol**, Executive Director, IEA
  - **Alicia Mignone**, Chair, Committee on Energy Research and Technology (CERT)
  - **Kent D. Logsdon**, Chair, Standing Group on Long-Term Co-operation (SLT)
  - **Dave Turk**, Head, Strategic Initiatives Office, IEA
- Keynote: *Current energy landscape and priorities for energy innovation going forward*

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**SESSION 1** Exploring future energy trends : innovation priorities and policy implications

**14:40 – 16:20**

Moderator: **Mechthild Worsdorfer**, Director for Sustainability, Technology and Outlooks, IEA  
*Energy systems around the world are undergoing substantial changes. This session will seek views on disruptive ideas and innovation trends, cross-cutting technologies such as blockchain and what governments and companies need to do to make the most of them.*

- **Arnulf Grübler**, Acting Program Director, Transitions To New Technologies, International Institute for Applied Systems Analysis (IIASA)
- **Jon Creyts**, Chair of the Board, Energy Web Foundation; Managing Director, Rocky Mountain Institute
- **Michael Webber**, Chief Science and Technology Officer, ENGIE
- **Julia Reinaud**, Director, Advocacy and Government Relations, Gates Ventures / Breakthrough Energy Coalition
- **Kazushige Tanaka**, SLT Vice Chair, Japan
- **Bert Stuij**, CERT Vice Chair, Netherlands

**16:20 - 16:40** Coffee Break

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**SESSION 2** Strategic vision for TCPs towards 2030

**16:40 – 18:00**

Moderators: **Jean-Christophe Füeg**, SLT Vice Chair (Switzerland) and **Nick Sherman**, CERT Vice-Chair (US)

*In the leadup to the 2019 IEA Ministerial meeting, this session allows TCPs and policy makers to consider steps the Agency and its energy technology network could take to further pursue the IEA modernization mandate, and to fully take advantage of opportunities in the global energy arena.*

- **Brian O’Gallachoir**, TCP on Energy Technology Systems Analysis (**ETSAP TCP**)
- **Ana Brito e Melo**, TCP on Ocean Energy Systems (**OES TCP**)
- **Stefan Nowak**, TCP on Photovoltaic Power Systems (**PVPS TCP**)
- **Detlef Stolten**, TCP on Advanced Fuel Cells (**AFC TCP**)

Possible topics for discussion:

- TCPs’ views of what the IEA should be doing / prioritizing in 2025 or 2030: What are the most pressing global issues that the IEA has a comparative advantage to address?
- How should the IEA’s global innovation network look in 2030 and what major changes the Agency needs to tackle?
- How can the SLT, CERT and the Working Parties catalyze greater impact across the TCPs?
- Key opportunities and challenges for policy makers seeking to accelerate energy innovation, what regulatory models are necessary, how the industry can support?
- Are there issues that we should be less focused on than we currently are?
- How can the IEA and TCPs best take advantage of opportunities under key multilateral, intergovernmental processes such as G7, G20, COP, and others

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**18:00**     **Wrap up and Networking Reception**

*With participation of TCP representatives as well as delegates to the GB, CERT and SLT*

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**Wednesday, 19 June 2019**

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**SESSION 3    Cooperation with emerging economies: opportunities, challenges, and lessons learned**

**09:00 – 10:15**    Moderator: **Dave Turk**, Head, Strategic Initiatives Office, IEA

*This session will explore the range of opportunities for TCPs to further develop cooperation with major emerging economies participating in TCPs, including through collaborative efforts under the IEA Clean Energy Transitions Programme*

- **Sangita Kasture**, Ministry of Science and Technology, Dept of Biotechnology, India
- **Agnes da Costa**, Ministry of Mines and Energy, Brazil
- **Luciano Caratori**, Undersecretary of Energy Planning, Argentina

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**SESSION 4    Strengthening linkages across multi-lateral energy technology initiatives**

**10:15 – 11:30**    Moderator: **Amanda Wilson**, Director-General NRCAN (Canada)

*This session will discuss how TCPs' activities and outputs can optimally feed into and benefit from other key multilateral initiatives and partnerships. The discussion will be informed by the CERT paper on innovation partnerships produced with guidance of CERT Task Force #1. The discussion will focus in particular on exploring linkages with Mission Innovation, and to further enable TCP-TCP collaboration.*

- **Simone Landolina**, Partnerships and Innovation Counsellor, Strategic Initiatives Office, IEA
- **Jennie Dodson**, Head of Mission Innovation Secretariat
- **Ellina Levina**, Manager of Partnerships, Clean Energy Ministerial Secretariat
- **Manfredi Caltagirone**, Programme Officer, Climate Technology Centre and Network (CTCN)

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**11:30 - 11:45**    **Coffee Break**

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**SESSION 5    TCP Modernisation: Strengthening communications, operations, and impact**  
**Part I**

**11:45 – 13:00**    *Following on the Action Plan for TCP Enhancement approved by the CERT in June 2018, the CERT and the Secretariat have been working to modernise and strengthen the TCP network. At the same time, many TCPs have sought out creative solutions to reach the same goals. This session will provide an overview of recent efforts by the Secretariat to enhance the TCP network, including modernisation of the TCP legal mechanisms. In addition, participants will be invited to present innovative approaches and best practices for resolving problems that face multiple TCPs. This discussion is designed to spur creative thinking and to provide an opportunity to share successful experiences.*

**Plenary**

- **K.C. Michaels**, Office of the Legal Counsel, IEA  
*Modernisation of the TCP legal mechanisms*
- **Jad Mouawad**, Acting Head of Communications and Digital Office, IEA  
*Update on IEA's communications strategy*

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**Breakout Groups**

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***This session will be divided into 40-minute breakout groups where TCPs will have an opportunity to join small discussion groups on selected topics. These discussions will be led by TCPs who have volunteered to present innovative approaches related to the topic area before opening up for discussion with all TCPs in the group. The IEA Secretariat will serve as Rapporteur. Topics include:***

***Breakout Session # 1***

Group A	Group B	Group C	Group D	Group E
<i>Task development models (I)</i>	<i>Synergies with the IEA Secretariat (I)</i>	<i>Best practices on communication (I)</i>	<i>Collaboration models (I)</i>	<i>Legal structures</i>
<i>DHC TCP Robin Wiltshire</i>	<i>Hydrogen TCP Paul Lucchese</i>	<i>DSM TCP David Shipworth</i>	<i>SHC TCP Daniel Mugnier</i>	<i>AFC TCP Detlef Stolten</i>

**13:00 – 14:15** ***Lunch break***

**SESSION 5 TCP Modernisation: Strengthening communications, operations, and impact**

**Part II**

**14:15 – 15:00** ***Breakout Session # 2***

Group A	Group B	Group C	Group D	Group E
<i>Task development models (II)</i>	<i>Synergies with the IEA Secretariat (II)</i>	<i>Best practices on communication (II)</i>	<i>Collaboration models (II)</i>	<i>Industry engagement</i>
<i>EBC TCP Paul Ruyssevelt</i>	<i>HEV TCP Carol Burrelle</i>	<i>Bioenergy TCP Pearse Buckley</i>	<i>ISGAN TCP Karin Widegren</i>	<i>GHG TCP Keith Burnard</i>

**SESSION 6 Taking advantage of TCP expertise: brainstorming on IEA's Energy Technology Perspectives**

**15:00 – 16:20** **2020 and beyond**

Moderator: **Timur Gül**, Head of Energy Technology Policy Division, IEA

*This session will discuss IEA plans for revamping the Energy Technology Perspectives publication with the vision of making it the world's guidebook on clean energy technology. It will also discuss how to strengthen the link between the TCPs' and the IEA's work on technologies over the coming years.*

**16:20 – 16:30** **Closing Remarks**

*Final remarks facilitated by the CERT Chair will provide prioritized, actionable guidance to further enhance the IEA and TCPs.*

*Opportunities for TCP representatives to schedule bilateral meetings with IEA staff on matters relating to procedures and legal requirements, communication, IEA technology analysis, synergies with other multi-lateral efforts and other matters.*