

Austria in the IEA and Other International Activities

- **Energy RDI in Austria – Strategic Focus and Expenditures**
- **Austria in the IEA, Mission Innovation and transnational research cooperations**

Sabine Mitter, Solar Heating and Cooling Workshop

Vienna, 5 June 2019

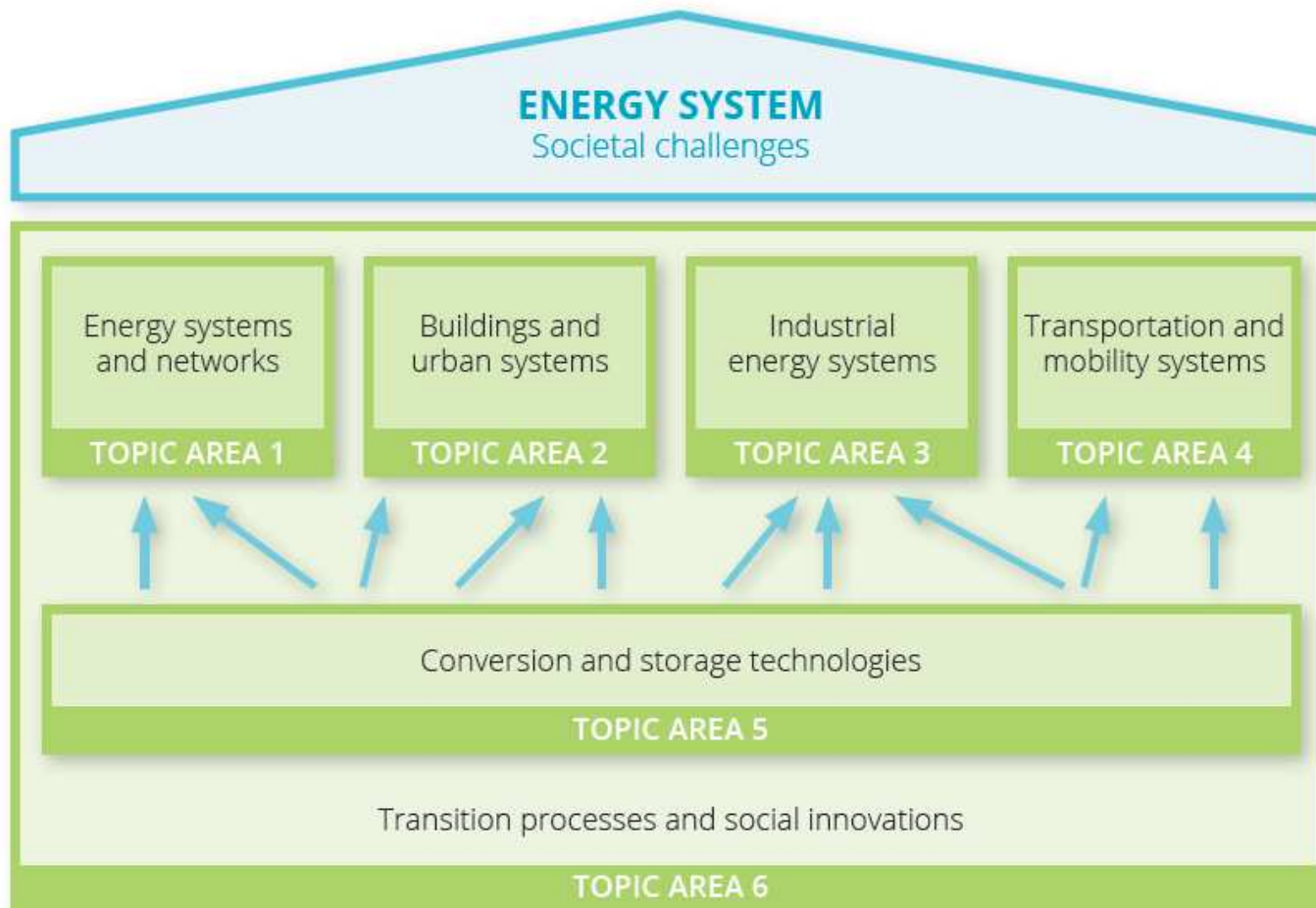
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Main Strategic Aspects of the Austrian Climate and Energy Strategy #mission2030

- RDI should be relevant and have strong impacts: clear priorities, mission orientation and focus on implementation
- Main focus on functionalities and (energy) services: system orientation und sector coupling
- Appropriate funding instruments in all phases of the innovation cycle up to successful implementation (test cases, innovation labs, innovation partnerships)
- Accelerating RDI-investments: Industry investments triggered by the public sector
(Mission Innovation recommends: doubling the budget within 5 years)

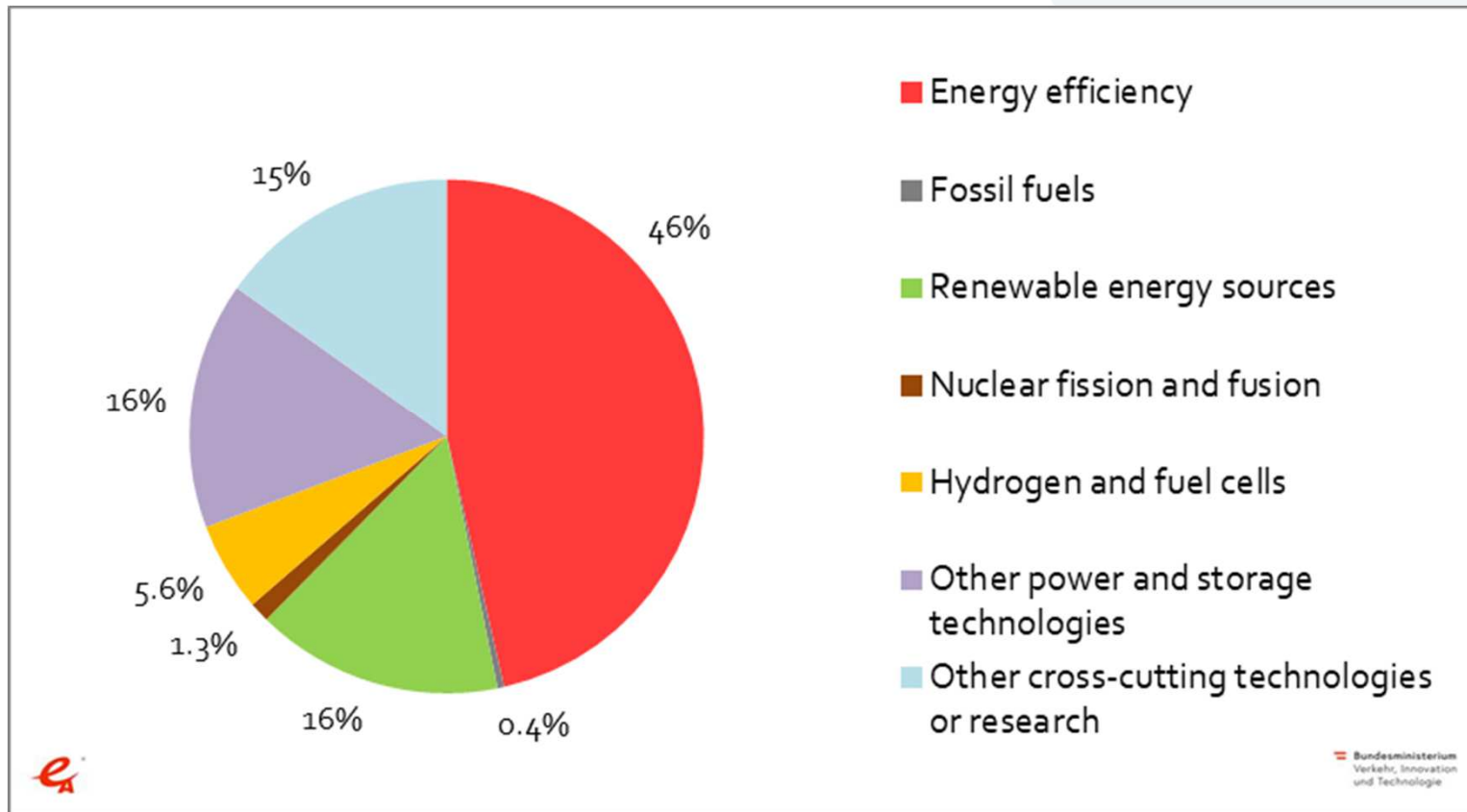
Topic Areas and System Approach for Energy RDI



Topic area 5:

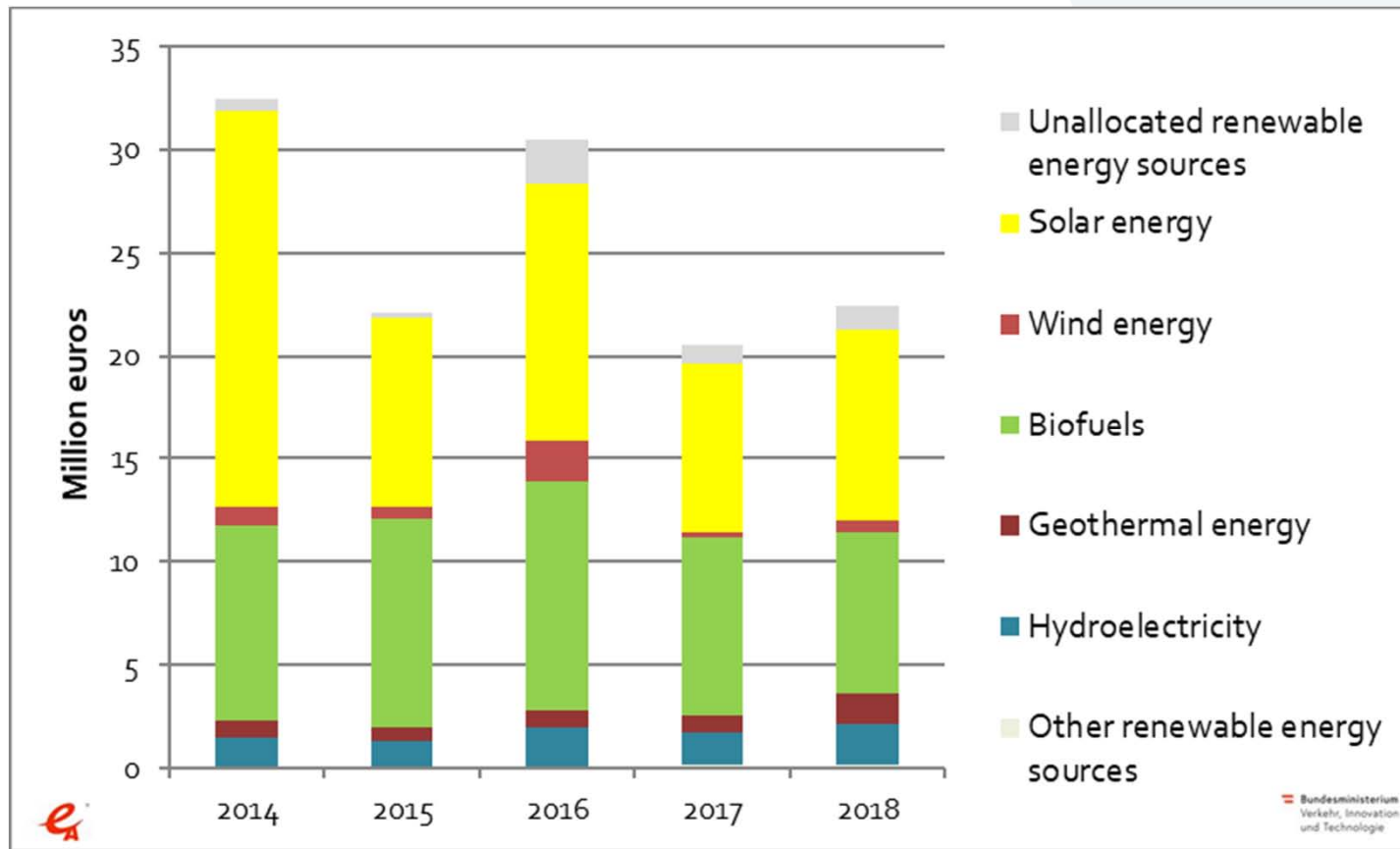
- 1) bioenergy
- 2) solar thermal
- 3) heat pumps
- 4) photovoltaics
- 5) wind energy
- 6) water power
- 7) fuel cells
- 8) geothermal
- 9) electric storage
- 10) thermal storage

Public Energy R&D Expenditures 2018

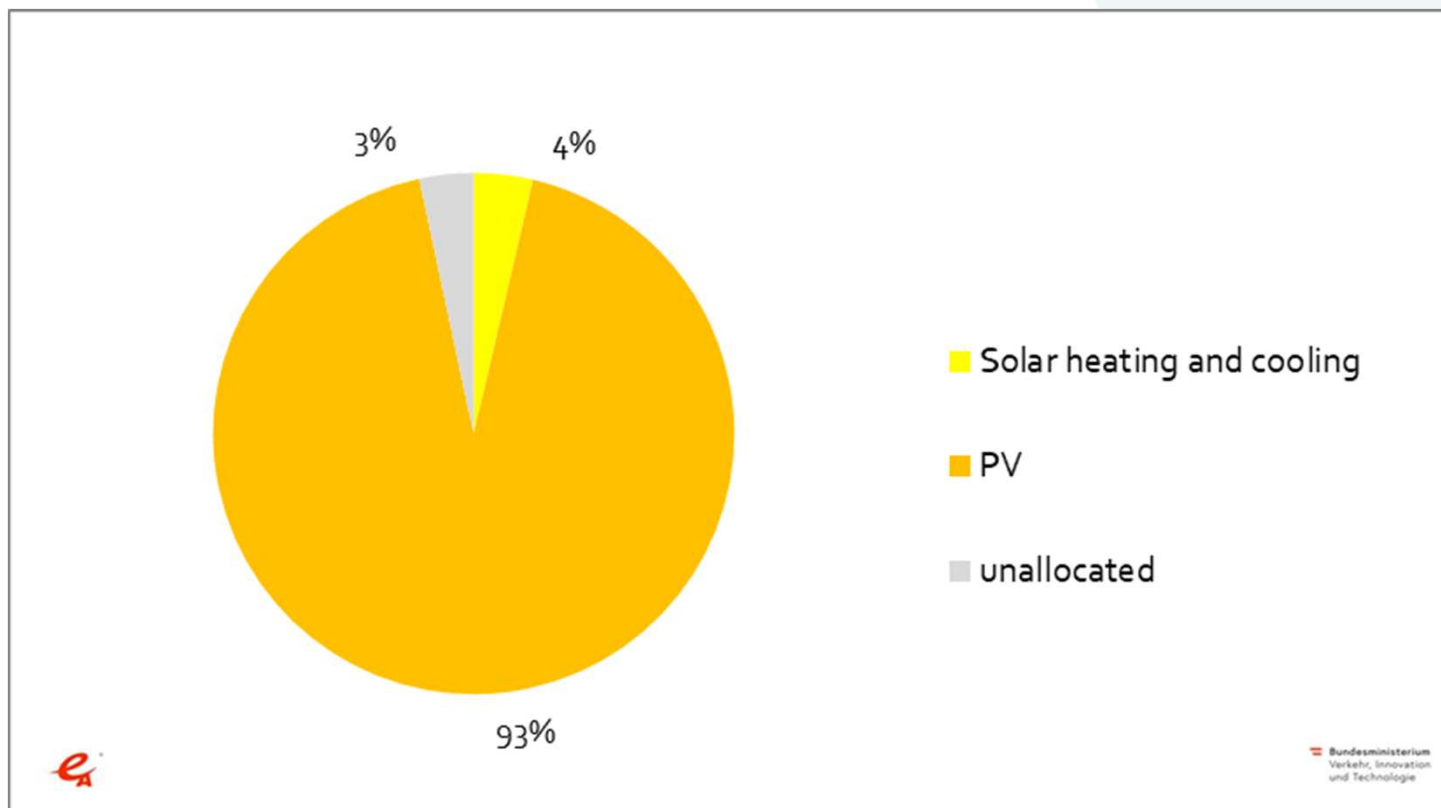


Source: Energieforschungsherhebung 2018, BMVIT June 2018

Renewable Energy – expenditures 2014-2018



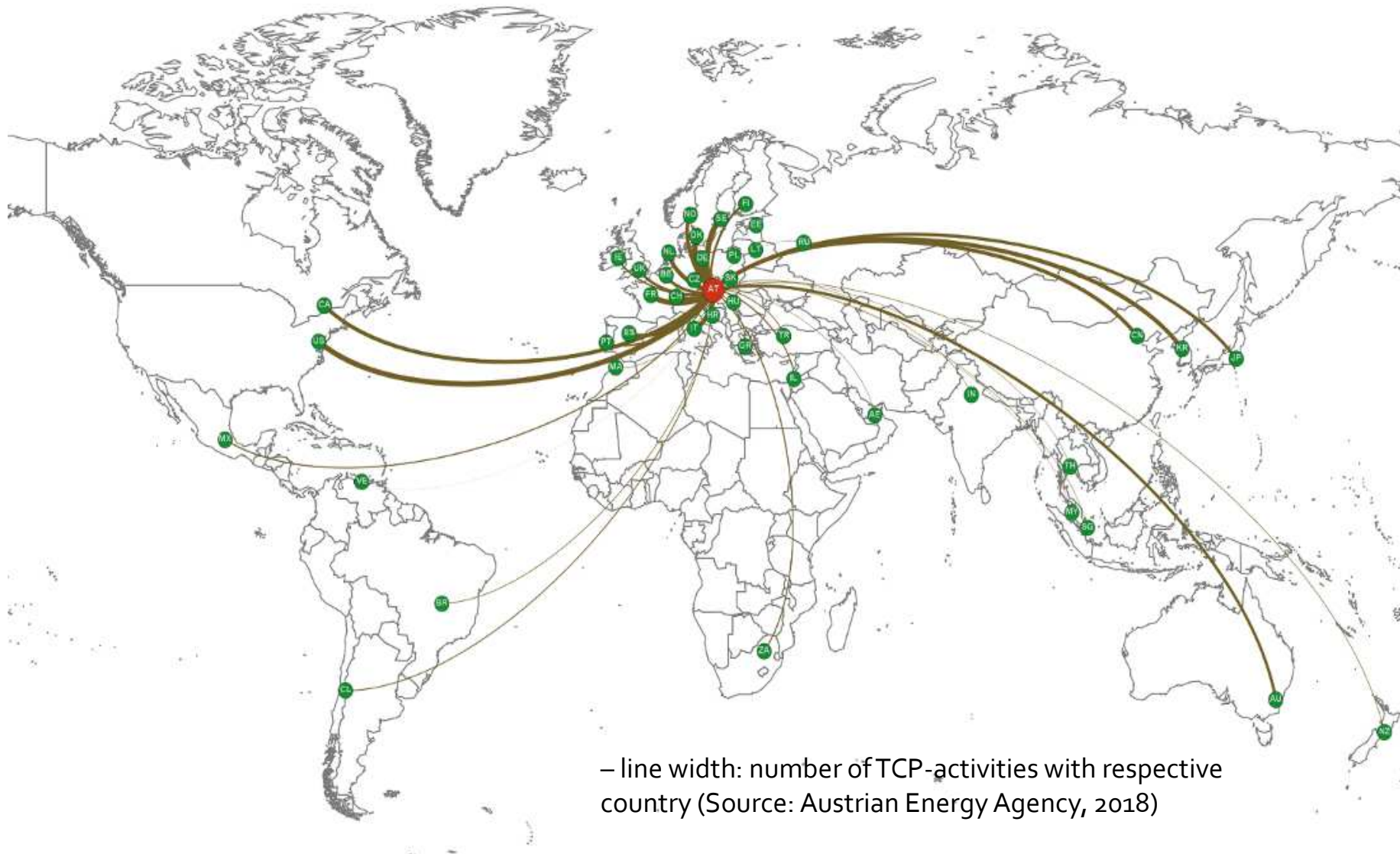
Solarenergy 2018



Only 0,3 Mio € for SHC

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IEA TCP cooperations of Austria



Mapping of IEA TCP's (Status Sept 2017)

- 185 Exco und Tasks/Annexe participation
- Austria participating in 88 (ranks 7 from 49 participating countries)
- 48 in End-Use, 35 in Renewables, 5 in Fossil)
- Open Source, graph based,

Report and Database:

<https://nachhaltigwirtschaften.at/de/iea/technologieprogramme/mapping-of-iea-tcps.php>



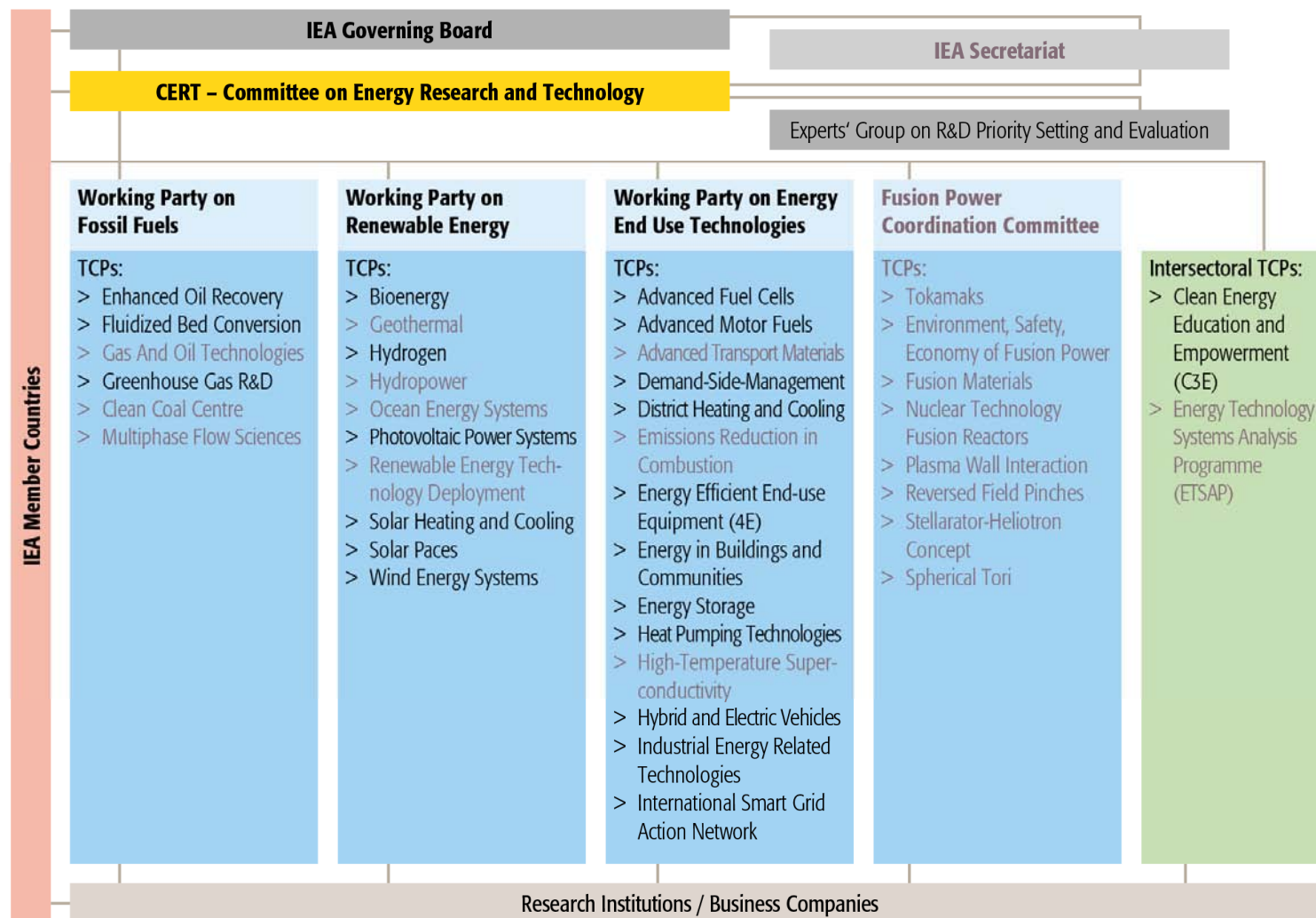
IEA Technology Collaboration Programmes Austria's Participation

21 TCPs and EGRD

- Industrial Energy related Technologies and Systems (Sep 2016)
- District Heating and Cooling (Jan 2017)
- Clean Energy Education and Empowerment TCP (July 2018)
- Hydrogen TCP (September 2018)
- Energy Conservation through Energy Storage (March 2019)

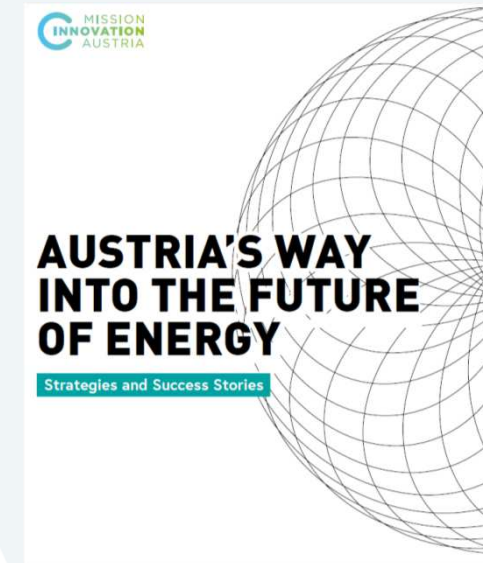


Österreichische Beteiligung an den IEA Technology Collaboration Programmes (TCPs)



Mission Innovation

- The Austrian government decided to join Mission Innovation
- Member since MI#3 in May 2018
- Participation in 3 MI Innovation Challenges (#1, #7, #8)
- Contribution to the Mission Innovation Secretariat (in kind)
- Ongoing preparations for a Mission Innovation joint call between European countries and partners outside Europe (Morocco, India, China ...) on the topic of Energy Storage
- Alignment of national RDI related actions with Mission Innovation (e.g. Mission Innovation Austria Week 2019)



EU MS-driven Transnational RDI Funding Networks



- 30 EU and international countries involved in joint calls
 - 120 M€ funded across Europe in 7 years
 - Transnational programme management structure
 - Annual joint calls across & beyond Europe
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- 35 EU and international countries involved in joint calls
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- Action 3.2
 - Smart Cities: 120 M€ funding planned until 2025
 - Action 4
 - Energy Systems: 100 M€ funding planned until 2025

Thank you for your attention!

