

# Italian IEA TCP Day

Partecipazione italiana ai Technology Collaboration Programs dell'Agencia Internazionale dell'Energia

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# Italian Participation in TCPs

Name of Working Party	Total Number of TCPs	Italian Participation
End Use WP	14	9
Renewable Energy WP	9	8
Fossil Fuels WP	5	3
Fusion Power Coordinating Committee	8	Through Euratom
Cross- Cutting	2	2
Total participation	22 TCPs/38	

## IEA END USE WORKING PARTY

delegati M. De Nigris (RSE); Ezilda Costanzo (ENEA)

TCP Name	Membership	Annexes Italian participation	Italian Delegate to the ExCo
<b>BUILDINGS</b>			
Energy and Buildings & Communities (EBC)	21 IEA Members plus China & Singapore	12 annexes /18	<b>ENEA</b> Michele Zinzi
Energy Conservation through Energy Storage (ECES)	15 IEA Members plus China	4 annexes/ 8	<b>ENEA</b> Pier Paolo Prosinì Raffaele Liberatore
Heat Pumping Technologies (HPT)	16 IEA Members plus China	6 annexes/12	<b>ENEA</b> Maurizio Pieve

## IEA END USE WORKING PARTY (2)

ELECTRICITY			
User-Centred Energy System (ex DSM)	15 IEA Members plus India	1 Task/2	<b>RSE</b> Simone Maggiore Marco Borgarello
International Smart Grid Action Network (ISGAN)	20 IEA Members plus EC, China, India, Russia, Singapore, South Africa	7 annexes/7	<b>RSE</b> Luciano Martini (Chair) Ornella Celi
High-Temperature Superconductivity	8 IEA Members plus Israel	1 Annex	<b>RSE</b> Luciano Martini (Chair)

Key points: **Luciano Martini, RSE, Chair of ISGAN and HTS**  
**Fabrizio Pilo of Cagliari University, Operating Agent of ISGAN Annex 3**  
**New name of Demand- side Management**

## IEA END USE WORKING PARTY (3)

TRANSPORT			
Advanced Fuel Cells (AFC)	13 IEA Members plus Croatia, Israel	7 annexes/8	ENEA Stephen McPhail Viviana Cigolotti
Hybrid & Electric Vehicles (HEV)	18 IEA Members	2 annexes/17	ENEA Francesco Vellucci
INDUSTRY			
Industrial Energy-related Technologies and Systems (IETS)	10 IEA Members	4 annexes/7	ENEA: Stefano Stendardo RSE: Simone Maggiore

Key points: **Excellent participation in AFC - Viviana Cigolotti (ENEA), Operating Agent of Annex 33**

**Recent Italian adhesion to the Industry TCP**

## IEA RENEWABLE ENERGY WORKING PARTY

delegati: Luca Benedetti (GSE); Simona De Iuliis (ENEA)

Bioenergy	19 IEA Members plus EC, Brazil, Croatia, India, South Africa	4 tasks/12	GSE: Luca Benedetti ENEA: Vito Pignatelli
Concentrated Solar Power (SolarPACES)	13 IEA Members plus EC, Brazil, Cile, Israel, Morocco, Namibia, South Africa	4 tasks/6	ENEA: Massimo Falchetta RSE: Vittorio Brignoli
Geothermal	12 IEA Members plus EC, Iceland	2 WGs/5	ENEL Sara Montomoli Marco Paci
Hydrogen	18 IEA Members plus UNIDO, China, Israel, Lithuania	4 tasks/6	ENEA Alberto Giaconia Massimiliano Della Pietra

Key points: **Excellent participation of Association countries in Bioenergy & Solar Paces**  
**Increasing interest of Sponsors in Hydrogen TCP**

## IEA RENEWABLE ENERGY WORKING PARTY (2)

Ocean Energy Systems (OES)	20 IEA Members plus EC, China, India, Monaco, Nigeria, Singapore	4 tasks/10	GSE Luca Benedetti
Photovoltaic Power Systems Program (PVPS)	20 IEA Members plus EC, Chile, China, Israel, Malaysia, Morocco, South Africa, Thailand	7 tasks/8	ENEA: Ezio Terzini RSE: Salvatore Guastella
Solar Heating and Cooling (SHC)	19 IEA Members plus EC, China	8 tasks/8	ENEA Giovanni Puglisi Alessandra Sconamiglio
Wind Energy System (Wind)	20 IEA Members plus EC	4 tasks/16	RSE Laura Serri

Key points: **Excellent Italian participation in PVPS and SHC**  
**Alessandra Troi & Roberto Fedrizzi from EURAC are**  
**Operating Agents of SHC Task 59 and 56 respectively**  
**Approx. 10 Universities participate in SHC tasks**

<b>IEA FOSSIL ENERGY WORKING PARTY</b> delegato Eugenio Giacomazzi (ENEA)		
<b>Clean Coal Center (CCC)</b>	6 IEA Members plus EC, South Africa	<b>ENEA: Stefano Giammartini</b> <b>SOTACARBO: Gianni Serra</b>
<b>Fluidised Bed Conversion (FBC)</b>	15 IEA Members plus EC, China, Russia	<b>CNR-IRC: Fabrizio Scala (Chair)</b> <b>Salerno University</b> <b>Michele Miccio</b>
<b>Greenhouse Gas Program (GHG)</b>	12 IEA Members plus EC, India, South Africa	<b>SOTACARBO</b> <b>Gianni Serra</b>

Key points: **Fabrizio Scala, CNR-IRC, Chair of FBC**  
**Recent Italian participation in GHG**



## TCPs CROSS-CUTTING

Delegati italiani al CERT Concetta Zullo (MISE); Michele De Nigris (RSE);  
Simona De Iuliis (ENEA)

<b>Energy Technology Systems Analysis (ETSAP)</b>	18 IEA Members plus EC, Kazakhstan, Russia	1 Annex	<b>ENEA:</b> Maria Rosa Viridis <b>ENEL:</b> Mariano Morazzo ( <b>RSE</b> , in corso: Maria Gaeta)
<b>Clean Energy Education and Empowerment (C3E)</b>	8 IEA Members plus EC	2/5 workstreams	<b>ENEA</b> Elena De Luca Tania Giuffrida

Key points: **ETSAP is an unique network of 200 modelling teams from approx. 70 countries**

**C3E: Italy was a founding Member with Canada and Sweden**

# Key Points

- In general terms, there is a very good Italian participation in TCPs. Excluding the 8 TCPs on Fusion Power in which Italy participates through Euratom, Italy participates in 22 out of 30 TCPs.
- Italian Leadership in ISGAN, High-Temperature Superconductivity and Fluidised Bed Conversion.
- Very good participation of Universities and Politecnico di Milano and Torino in the annexes of various TCPs.
- Reduced Italian presence as Operating Agent: EURAC in SHC tasks 56 & 59; University of Cagliari in ISGAN Annex 3 and ENEA in AFC Annex 33.
- To note that Italy does not participate in the Gas and Oil Technology TCP under the Fossil Energy WP portfolio.