

PARTICIPATION IN IEA TECHNOLOGY COLLABORATION PROGRAMMES (TCPs)

29 June 2018

Selected recent developments

The **French Environment and Energy Management Agency (ADEME)** became a Contracting Party to the **TCP on Industrial Energy Technologies and Systems (IETS TCP)** on 22 June 2018.

Natural Resources Canada (NRCan) became a Contracting Party to the **TCP on Industrial Energy Technologies and Systems (IETS TCP)** on 30 May 2018.

The **Department of the Environment and Energy** of Australia became a Contracting Party to the **TCP on Clean Energy Education and Empowerment (C3E TCP)** on 18 May 2018.

The **Ministry of Petroleum and Natural Gas** of India became a Contracting Party to the **TCP on Advanced Motor Fuels (AMF TCP)** on 9 May 2018.

The **China National Institute of Standardization (CNIS)** became a Contracting Party in the **TCP on Energy Efficient End-Use Equipment (4E TCP)** on 26 April 2018.

The **Ministry of Science and ICT** of Korea became a Contracting Party to the **TCP on Spherical Tori (ST TCP)** on 20 April 2018.

The **Ministry of Energy and Mining** of Argentina became a Contracting Party to the **TCP on Gas and Oil (GOTCP)** on 21 March 2018.

The **Research Institute for Solar Energy and New Energies (IRESEN)** of Morocco became a Contracting Party to the **TCP on Photovoltaic Power Systems (PVPS TCP)** on 6 March 2018.

The **Ministry of Economic Affairs and Communication** of Estonia became a Contracting Party to the **TCP on Bioenergy** on 26 February 2018.

Mexico officially became the 30th member country of the IEA on 17 February 2018, and its first member in Latin America. Mexico joined its first TCP in 1997 and currently participates in 10 TCPs.

The **University of Zagreb, Croatia** became a Contracting Party to the **TCP on Advanced Fuel Cells (AFC TCP)** on 25 January 2018.

Natural Resources Canada became a Contracting Party to the **TCP on Gas and Oil (GOTCP)** on 17 January 2018.

The **Ministry of Economic Affairs and Employment** of Finland became a Contracting Party to the **TCP on Clean Energy Education and Empowerment (C3E TCP)** on 22 December 2017.

The **Australian Nuclear Science and Technology Organisation (ANSTO)** became a Contracting Party to the **TCP on Plasma Wall Interaction (PWI TCP)** on 7 November 2017.

FINEP of Brazil became a Contracting Party to the **TCP on Gas and Oil (GOTCP)** on 24 October 2017.

ECOPETROL of Colombia became a Contracting Party to the **TCP on Enhanced Oil Recover (EOR TCP)** on 10 October 2017. This is a first-time participation by Colombia in a Technology Collaboration Programme.

CEREMA of France became a Contracting Party to the **TCP on District Heating and Cooling (DHC TCP)** on 3 Oct

VTT Technical Research Centre of Finland became a Contracting Party to the **TCP on Buildings and Communities (EBC TCP)** on 25 August 2017.

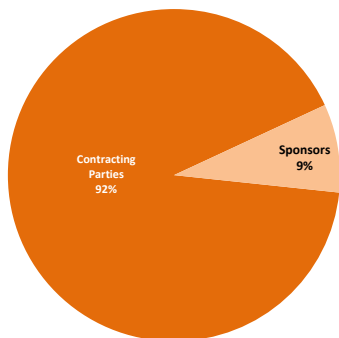
Centro Nacional del Hidrogeno (CNH2) of Spain became a Sponsor to the **TCP on Advanced Fuel Cells (AFC TCP)** on 10 August 2017.

**There are two possible categories of participation in a TCP, as a Contracting Party, or CP (an entity designated by the government of an OECD member or non-member country) or as a Sponsor, or SP (an entity of an OECD member or non-member country that is not designated by the government of their respective country).*

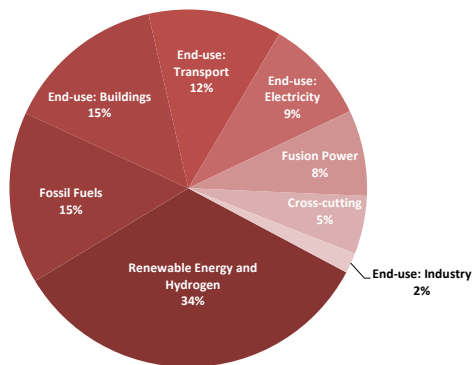
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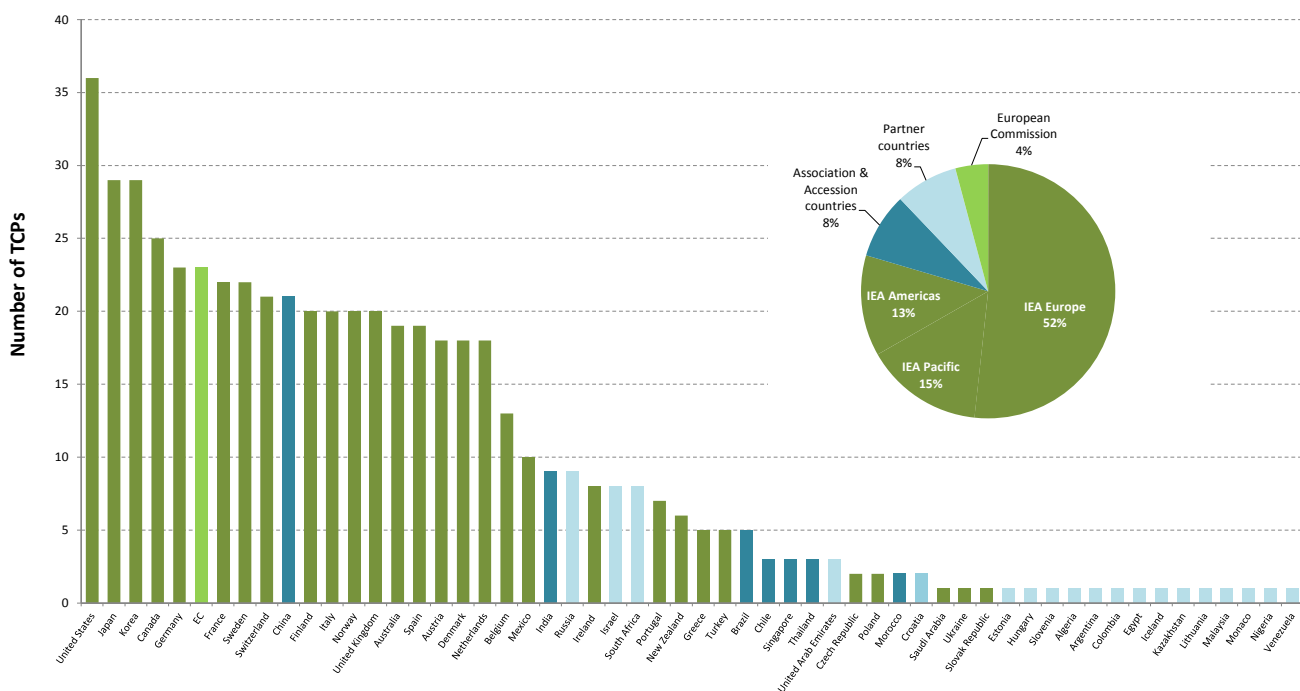
Participation by category



Participation by TCP grouping



TCPs in which countries participate



Notes
 There are two possible categories of participation in a TCP, as a Contracting Party, or CP (an entity designated by the government of an OECD member or non-member country) or as a Sponsor, or SP (an entity of an OECD member or non-member country that is not designated by the government of their respective country).
 Participation of intergovernmental organisations, namely the European Commission (EC), the Economic Community of West African States (ECOWAS), ITER, and the Organisation for Petroleum Exporting Countries (OPEC), are reported under the category 'intergovernmental' rather than the country in which the organisation is located.

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	TCPs in which the country or entity participates	Distinct Entities	Participations in TCPs																Total participations in TCPs
			Cross-cutting		End-use efficiency								Fossil fuels		Fusion		Renewables and hydrogen		
					Buildings		Electricity		Industry		Transport								
			CP	SP	CP	SP	CP	SP	CP	SP	CP	SP	CP	SP	CP	SP	CP	SP	
Entities from:																			
IEA COUNTRIES	440	201	27	2	80	1	44	5	11		59	2	51	16	26		143	13	480
United States	36	14	1	1	5		3	1	1		5		4	5	8		7	5	46
Japan	29	17	1		5		2				5		4	2	8		7		34
Korea	29	12	1		5		3				5		3	1	5		7		30
Canada	25	8	1		5		2	1	1		3		4		3		5		25
Germany	23	13	1		4		3	1	1		5		1	2			8	2	28
France*	22	13	3		5		1		1		3		3	1			8		25
Sweden	22	4	2		6		2		1		4		2				6		23
Switzerland	21	2	1		4		3				4		2				7		21
Finland	20	3	2		4		3				4	1	1				5		20
Italy	20	9	2	1	3		3	1			2		2				8		22
Norway	20	5	1		4		2		1		1		3	1			9		22
United Kingdom	20	11	1		6		2				3		3	2			6		23
Australia	19	14	2		2		1				1		4		2		7		19
Spain	19	11	1	1	1		2				3	1	3				6	1	19
Austria*	18	9			4		2		1		3		3				5		18
Denmark	18	5	1		5		1		1		3		1				6		18
Netherlands	18	6	1		4		3		1		1		1	1			6	1	19
Belgium*	13	13	3		3		2	1	1		1		1				5	4	20
Mexico	10	5					1				1		1	1			6		10
Ireland	8	2	1		1		2				1						3		8
Portugal	7	3			1				1				1				4		7
New Zealand	6	6			1		1										4		6
Greece	5	5	1										1				3		5
Turkey	5	4			1						1						3		5
Czech Republic	2	2			1								1						2
Poland	2	2											2						2
Estonia	1	1															1		1
Hungary	1	1											1						1
Slovak Republic	1	1															1		1
ASSOCIATION & ACCESSION COUNTRIES	46	44			4		4				7		6	5	7		18	1	52
China	21	22			3		1				4		2	2	4		7	1	24
India	9	9					2				1		3	1	3		1		11
Brazil	5	3											1	1			3		5
Chile	3	2									1						2		3
Singapore	3	3			1		1										1		3
Thailand	3	3									1			1			1		3
Morocco	2	2															3		3
PARTNER COUNTRIES	44	32	2		2		3				4	1	7	4	5		17		45
Russia	9	6	1				1						2	1	4				9
Israel	8	3			1		1				3						3		8
South Africa	8	5					1						2	1			5		9
United Arab Emirates	3	2												2			1		3
Croatia	2	2									1						1		2
Algeria	1	1															1		1
Argentina	1	1											1						1
Colombia	1	1											1						1
Egypt*	1	1															1		1
Iceland	1	1															1		1
Kazakhstan	1	1	1																1
Lithuania	1	1															1		1
Malaysia	1	1															1		1
Monaco	1	1															1		1
Nigeria*	1	1															1		1
Saudi Arabia	1	1										1							1
Slovenia	1	1			1														1
Ukraine	1	1												1					1
Venezuela	1	1											1						1
IGOs	n.a.	n.a.	1		1		1						4	1	9		10	1	28
CIAB	n.a.	n.a.												1					1
ECOWAS	n.a.	n.a.															1		1
EC	n.a.	n.a.	1		1		1						3		8		9		23
ITER	n.a.	n.a.													1				1
OPEC	n.a.	n.a.											1						1
RCREEE	n.a.	n.a.																1	1
TOTAL	n.a.	n.a.	30	2	87	1	52	5	11		70	3	68	26	47		188	15	605

Participation represents the number of entities participating in each TCP. An entity may participate in more than one TCP.

*Participation of intergovernmental organisations located in this country is reported under the name of the organisation in the section IGOs.

Luxembourg does not as yet participate in any TCPs.

Intergovernmental represents the European Commission (EC), the Economic Community of West African States (ECOWAS), ITER, and the Organisation for Petroleum Exporting Countries (OPEC).

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