CETP TRI6 Industrial energy system Matchmaking pitch event

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Practicalities

- Online data declaration:
  Please be aware that your name will be displayed in the list of participants as well as in the chat window

- Please mute yourself

- Questions after each pitch: you can use the chat and/or raise your hand and pose the question by unmuting yourself

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Agenda

9.00 (CEST)	**Introduction. Hannele Holttinen, TRI6 Office, Clic Innovation**		
9:10	Zhengmao	LI	Aalto University: Data-Driven Sustainable Energy Systems with Seasonal Ammonia Storage, Market trading and Demand Flexibility
9:20	Mohamed	Mokhtar	Faculty of science Benha university: electrolyser topic
9:30	Tom	Wirtanen	VTT: CCU to chemicals
9:40	Özkan	ATAN	Vivalanch Electronic Automation: Intelligent energy management system to optimize energy efficiency in hybrid and renewable-powered systems
9:50-10:00	**BREAK**		
10:00	Tero	Joronen	Tampere University of Applied Sciences: Local welfare and export from bio-oil production
10:10	Till	Holmes	SINTEF Energy Research: High-Resolution Industrial Heat Demand Profiles for Cross-Sectoral Energy System Models.
10:20	Gerfried	Cebrat	Senercon: ML supported consulting approaches for industrial entities: decarbonization in a networked approach
10:30	Kshitiz	Agarwal	KA Advisors: ThermoFlex Power System

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TRI6 Integrated Industrial Energy Systems - CM08

aims at developing and demonstrating a set of technical solutions for integrated industrial energy systems enabling efficient carbon-neutral industrial production sites

- Special emphasis in the initiative is placed on solutions for system- and process-level integration of technologies for efficient industrial power, heating, and cooling.
- The aim is to support projects so that they can lead to faster market uptake and/or upscaling

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Challenges 2025 - Targeted Topics

This Call Module welcomes proposals for research, development and innovation projects that address one or more of the three challenges.

- Challenge 1: Reducing emissions from the industrial energy system
- Challenge 2: Enabling renewable energy integration and resource efficient industrial energy system
- Challenge 3: Climate-neutral industry

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TRI6 Call Module for Industrial Energy Systems (CM8)

INTEGRATED INDUSTRIAL ENERGY SYSTEMS

INDUSTRIES
FOOD AND DRINK
CEMENT
PULP AND PAPER (FOREST INDUSTRY)
STEEL
CHEMICALS

REDUCING EMISSIONS FROM INDUSTRIAL PROCESSES

- Efficiency (utilising excess heat etc.)
- Circularity
- Electrification
- Green hydrogen: energy carrier and raw material in processes
- CCU (CO2 to chemicals or long lasting products)
- Bio-CCU enabling negative emissions
- Reduction of emissions other than GHG

FLEXIBILITY FOR ENERGY SYSTEM

- Enabling flexible use of renewable electricity in industry
- Flexible use of electricity including flexibility from heat/process storage buffers
- Energy sector coupling in industry: power and heat networks and industrial symbiosis

ACCELERATING INDUSTRIAL DECARBONISATION

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Requirements CM8

Consortia Partners:

- Research institutes, Universities, Public sector organizations, like municipal companies, Industrial companies including suppliers of technology and services and end users
- A Project Consortium must have industrial involvement by at least one industrial Project Consortium Partner (private for-profit company), preferably an end user

- Projects are expected to increase their Technology Readiness Level (TRL) throughout the duration of the project so that they move closer to commercial readiness
- Project end: TRL 6 or higher
- Activities at lower TRL maybe included if they contribute to the higher TRL goal of the overall project.
- Funding requested from the Call in the range of (but not limited to) EUR 1.5–5 million, in addition to any self-financing

Applications must fill all national requirements

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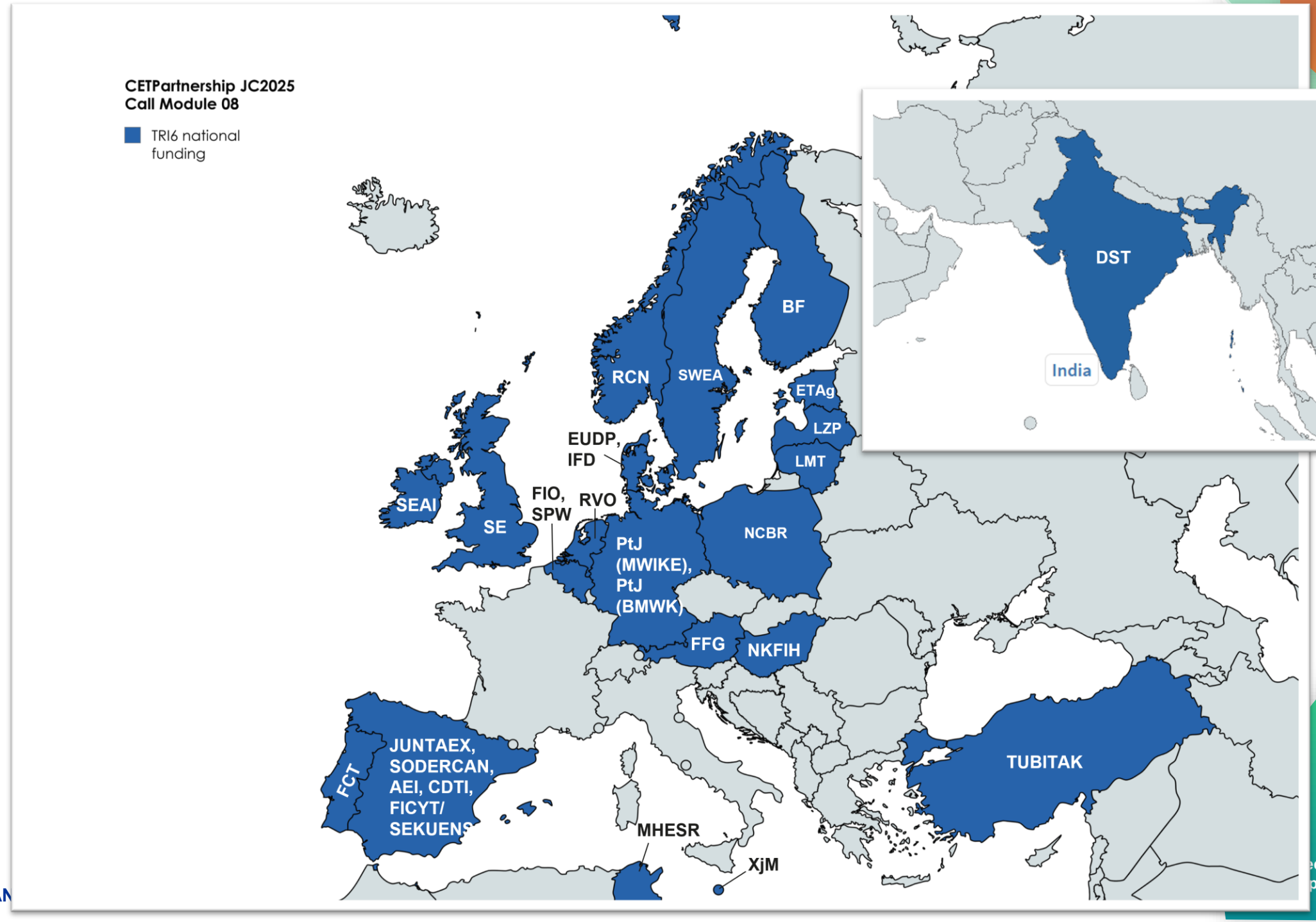
CETPartnership JC2025
Call Module 08
TRI6 national funding
BF
RCN
SWEA
ETAg
LZP
LMT
EUDP, IFD
FIO, SPW
RVO
SEAI
SE
NCBR
PtJ (MWIKE), PtJ (BMWK)
FFG
NKFIH
JUNTAEX, SODERCAN, AEI, CDTI, FICYT/ SEKUENS
FCT
MHESR
XjM
TUBITAK
DST
India

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