

Power System Flexibility Campaign (PSF)

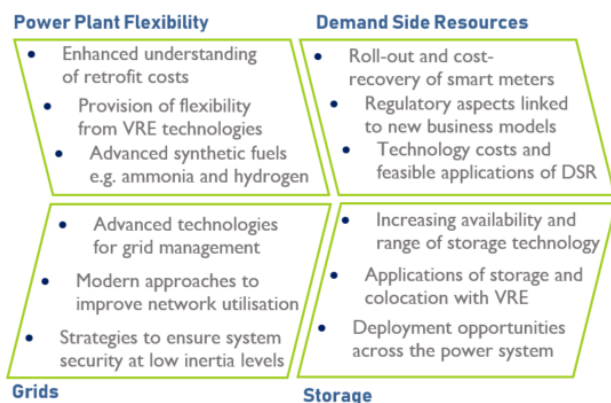
Campaign associated with Multilateral Solar and Wind Working Group (MSWWG) and 21st Century Power Partnership (21CPP)

Goals

The Power System Flexibility Campaign seeks to help governments and industries accelerate system transformation by increasing flexibility across all elements of the power system, while contributing to cost-efficient and reliable electricity supply.

Rationale for being included in the CEM

The PSF, launched in 2018 at CEM9, is the continuation of the Advanced Power Plant Flexibility Campaign, and builds on its strong foundation of government and industry commitments by widening the scope to include smart electricity grids, storage, and demand side management. A continuation of PSF Campaign will be expected between CEM10 and CEM11.



Activities and deliverables

The campaign organises high-level policy forums, and technical workshops to help governments and industries identify strategies to unlock flexibility across the whole power system, exchange experiences and develop concrete actions for flexibility. Current activities include:

- International kick-off workshop in Yokohama, Japan, 20 June, 2018.
- Forum on Power System Transition in China Suzhou International Energy Transition Forum, 19 October, 2018.
- Rio CEM Days - Grid Integration of Variable Renewables (GIVAR): Challenges and Approaches for Power System Planning in Ro de Janeiro, Brazil, 21 to 23 November, 2018.
- Expert Workshop in Paris, France, 13 February, 2019.
- Deep-dive workshop on digitalisation at *Berlin Energy Transition Dialogue*, Berlin, Germany, 10 April, 2019.
- Campaign workshop at CEM10: Market design and system flexibility – state of play and ways forward, Vancouver, Canada, 29 May, 2019.
- Ministerial-level and Corporate CEO Roundtable at CEM10, 29 May, 2019.
- PSF participates and engages at external events, research interviews and information exchange with wider stakeholders.
- Publication: **Status of Power System Transformation 2019**, collaboration with 21st Century Power Partnership (21CPP).



Global and In-Country Partner(s)

World Bank Energy Sector Management Assistant Programme (ESMAP); Chinese Electrical Power Planning and Engineering Institute (EPPEI); Agora Energiewende; VGB Powertech E.V. (VGB); Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ); Danish Energy Agency (DEA), China National Renewable Energy Center (CNREC).

Business Participant(s)

COWI, ChargePoint, Envision, EpexSpot, ENEL, Energinet.dk, First Solar, Fraunhofer ISIT, General Electric (GE), J-Power, NEXT Kraftwerke, Nord-Deutsche Energiewende 4.0, RESstore, Siemens, Kyushu Electric Power Co. Inc. Man Diesel & Turbo, Ørsted, UK Power Networks.

Lead CEM Member(s)

China · Denmark · Germany · India · Sweden

CEM Member Participant(s)

Brazil · Canada · Chile · European Commission · Finland · Italy · Japan, Saudi Arabia · South Africa · United Arab Emirates

Operating Agent(s)/ Coordinator(s)

International Energy Agency (IEA)