Clean Energy Ministerial: CEM10, CEM year-round work and approaches

3rd Universal Meeting of TCPs, 18-19 June 2019

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CEM10: Main impressions

Innovative design elements pioneered by Canada

2500+ Participants
200 Delegates to clean energy women breakfast
20+ CEM side events
60+ Youth leaders to clean energy youth forum
5 High-level roundtables
100+ companies for clean energy exhibitions

Youth Program

GENDER PRINCIPLES

JUST TRANSITION
An impactful, operational Ministerial with guidance to many CEM workstreams

10th CEM Ministerial meeting

Annual Ministerial meeting gives direction to the technical work

Examples of CEM workstream deliverables this past year

Year round technical work informs Ministerial discussions & domestic follow-up
…with substantial themes and many operationally focused events

**Multiple side events draw inputs from CEM work streams**

**New ideas, new work – new energy carriers, wider efficiency efforts**

**Shared leadership increasing, incl. from emerging economy CEM Members**

**Horizontal accelerator – collaboration of CEM work streams on sector coupling**
CEM Community and Key Features

New Observer at CEM10

Observers at CEM9
Ministerial meetings coupled with year round technical work

YEAR ROUND WORK-STREAMS

CEM9 - 2018
EU and 4 Nordics

CEM10 - 2019
Canada

CEM11 - 2020
Chile

Year round technical work

Global analysis

In-country work

In-country technical workshops

Industry and government dialogues

High-level policy discussions
Efforts are country-led and supported by world-class organisations.
Types of CEM/TCP cooperation

- **TCPs are partners of CEM work streams**
  - ETSAP is a partner in CEM LTES
  - HEV TCP and AFC TCP are partners in CEM EVI

- **CEM work streams join TCPs**
  - CEM SEAD used to participate in 4E TCP

- **CEM and TCP create a common joined structure**
  - ISGAN is both a CEM Initiative and a TCP
  - C3E used to be a CEM Initiative and at CEM 9 was restructured to also become a TCP

CEM/MI collaboration

- **CEM Members agreed on closer logistics collaboration**
  - and no scheduling conflicts between the CEM and MI events

- **Substantive collaboration is encouraged where countries express interest**
  - and should be done using a bottom up approach.
  - ISGAN and MI’s Smart Grid Innovation Challenge have established close collaboration

- **CEM and MI have very distinctive and different missions (requiring different policy responses) which need to be recognised.**
Example: The Long-Term Energy Scenarios Campaign (LTES)

**Lead countries**

- Denmark
- Germany

**Current country members:**

- Brazil
- Canada
- Chile
- Spain
- Japan
- Mexico
- France
- Netherlands
- United Kingdom

**Operating Agent**

- IRENA (International Renewable Energy Agency)
- ETSAP (Energy Technology System Analysis Platform)

**Current technical partners:**

- IEA (International Energy Agency)
- European Commission
- CNREC (China National Renewable Energy Centre)

**Goal:**
- Promote wider adoption and improved use of long-term model-based energy scenarios
- Share best practices/ experiences
- 11 participating countries
CEM broader partnerships: Power System Flexibility Campaign example

Lead countries

Current country members

Operating Agent

Non-government members

• Goal: build momentum amongst industry and governments to enhance power system flexibility through the coordinated deployment of advanced power plants, grids, DSR and storage.
CEM “clean bill of health”: review, assessments, recommendations, graduation

1. Enhance the impact of workstreams

- CEM Member Engagement
- Organisational Underpinnings

2. Closure of workstreams

- Progress made since the CEM 12 Preparatory meeting:
  - Group 1:
    - 21st Century Power Partnership (21CPP)
    - Energy Management Working Group (EMWG) and Energy Management Campaign (EMC)
  - Group 2:
    - Sustainable Cities and Eco-energy towns
    - Clean Energy Solutions Center (Solutions Center)
  - Group 3:
    - Global Lighting and Energy Access Partnership (Global LEAP)
    - Nearly Zero Energy Buildings (NZEB)
  - Group 4:
    - Regional and Global Energy Interconnection (RGI) Initiative
    - CEM Investment and Finance (CEM-IF)
  - Other workstreams
    - International Smart Grid Action Network (ISGAN)
    - Accelerating the Adoption of Distributed Generation in Strategic Regions
    - Power System Flexibility (PSF)
    - Long-term Energy Scenarios for the Clean Energy Transition (LTES)
    - Nuclear Innovation: Clean Energy Future (NICE) Future Initiative
    - Electric Vehicles Initiative (EVI) and EV30@30
    - Clean Energy Education & Empowerment (CEE) and Equality30
    - Carbon Capture, Utilisation and Storage Initiative (CCUS)

3. Coordination amongst workstreams
Continuity in Ministerial hosting: Next year the first South American host
Conclusion

- An impactful CEM ministerial incorporating a key defining feature of CEM, ie. linking the yearly Ministerial meeting with its operational, technical year-round work.

- CEM10 brought interest in new areas of work within CEM:
  - New energy carriers (Hydrogen Initiative, side event on biofuels)
  - Efforts tackling deeper decarbonisation of industry
  - Stronger emphasis on energy efficiency of appliances, heating and cooling (SEAD)
  - Horizontal accelerator of EV coupling with power systems (21CPP, EVI, ISGAN, PSF collaboration).

- Furthering the “shared leadership” approach amongst CEM Member, including via key emerging economy CEM Members.

- The CEM is gradually enlarging with new Members, new Observers, and new technical partners. Mindful of its still manageable size going forward. Opportunity to collaborate with TCPs.

- Emphasis on further consolidation of CEM workstreams, increasing impact and outcomes. Mandate for closure of workstreams who have run their course. With its “clean bill of health” CEM can be an example for others.