

Clean Energy Ministerial Update

Jarad Daniels, Policy Group Chair, United States

8th Clean Energy Ministerial (CEM8) in Beijing in June



- CEM8 side event with energy ministers from Canada, China, Norway, and U.S., as well as heads of delegation from Australia and EC
- Discussed factors that have attracted investment to current CCUS projects and highlighted importance of identifying where these factors could converge to replicate recent success with CCUS projects
- At CEM8, U.S. Secretary Perry recommended development of CEM initiatives on CCUS and civil nuclear energy
- Integrating conversations around CCUS in the CEM allows technology to be considered outside silo of CCUS proponent governments to date, and potentially widens range of support for CCUS.

IEA CCUS Summit in Paris in November

- Margins of IEA's 2017 Ministerial Meeting
- Co-chaired by U.S. Secretary of Energy Rick Perry and IEA Executive Director Dr. Fatih Birol
- Energy ministers, government officials, and chief executives of major energy companies supported renewed push for investment in CCUS
- Ministers and top government officials from Australia, Canada, Japan, Mexico, Norway, Poland, The Netherlands, the United Kingdom and European Commission
- Industry representatives included CEOs and senior executives from ExxonMobil, Royal Dutch Shell, BP, Statoil, Chevron, Total Glencore, Suncor Energy, GE Power, Dow Chemical, Mitsubishi Heavy Industries, and Port of Rotterdam



9th Clean Energy Ministerial (CEM9) & 3rd Mission Innovation Ministerial (MI-3) Preparatory Meetings

- Monday, January 29 – Thursday, February 1, 2018 in Ottawa, Ontario, Canada (as the host of CEM10 in 2019)
- Opportunity for CEM and MI member governments to take stock of progress made over last year and determine path forward
- Includes setting agendas and identifying key areas for high-level focus for CEM9 and MI-3
 - Select public-private round table topics, discuss side events, etc.
 - Traditionally the primary decision-making meeting of the CEM
- Historically, there have been short presentations from each of the current initiatives and active discussions on new work streams (initiatives and campaigns)
- Each delegation limited to Head of Delegation plus a maximum of three additional delegates
- For initiatives, campaigns, sub-groups, or innovation challenges that would like to hold side meetings in advance of the formal preparatory meetings, there are two rooms at the venue on January 29, 30, and 31



CEM9/MI-3

Energy Integration and Transition

Copenhagen/Malmö – the Öresund Region | 23-24 May 2018



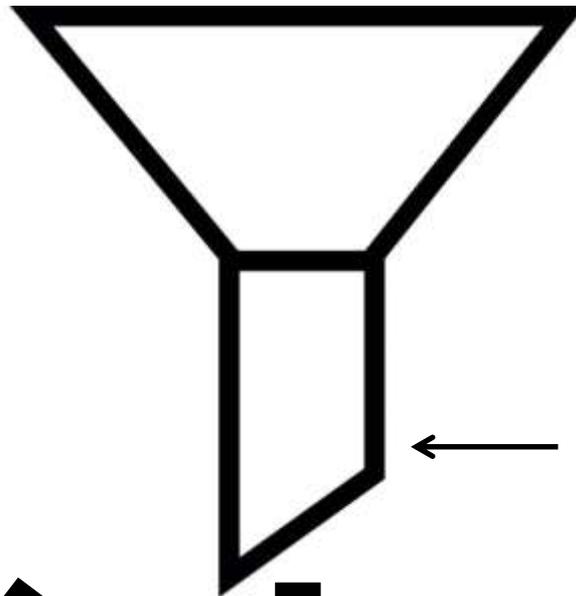
Nordic Council
of Ministers

Draft programme CEM9/MI-3

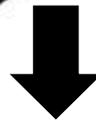
	Tuesday	Wednesday	Thursday
Morning	CEM-MI side events (Cph + Malmö)	9.00-12.00: MI ministerial (Malmö)	8.30-9.30: 2 round tables (Cph)
		12.00-13.30: High-level lunch (Malmö)	8 CEM-MI side events (Malmö)
10.00-12.00: CEM ministerial (Cph)			
12.00-13.00: Bilateral lunches + reception lunch (Cph)			
13.00-14.00: 2 round tables (Cph)			
14.00-15.00: CEM ministerial (Cph)			
15.00-15.30: CEM9/MI-3 closing session			
Afternoon		14.00-15.30: Side events (Malmö)	15.30-16.00: Press conference
	16.00-18.00: High-level boat trip (Malmö to Cph)		
Evening	19.00-22.00: CEM9/MI-3 opening (Malmö)	19.00-22.00: High-level dinner (ministers+1) (Cph)	19.00-22.00: Closing reception (Cph)

Proposed selection process for prioritised themes

Energy integration and transition



Limited number



Side events

Ministerial plenary

Roundtables

Proposed selection process for prioritised themes

- **Proposed draft criteria:**
 - Potential for impact on the global clean energy transition
 - Thematic relevance for core CEM/MI workstreams
 - Proven solutions with applicability for CEM/MI-countries
 - Mobilization of stakeholders / coalition building
- **Matrix of proposed themes after prioritization process**

Activity / theme	Theme # 1	Theme # 2	Theme # 3	Theme # 4	Theme # 5
Plenary					
Round tables					
Side events					

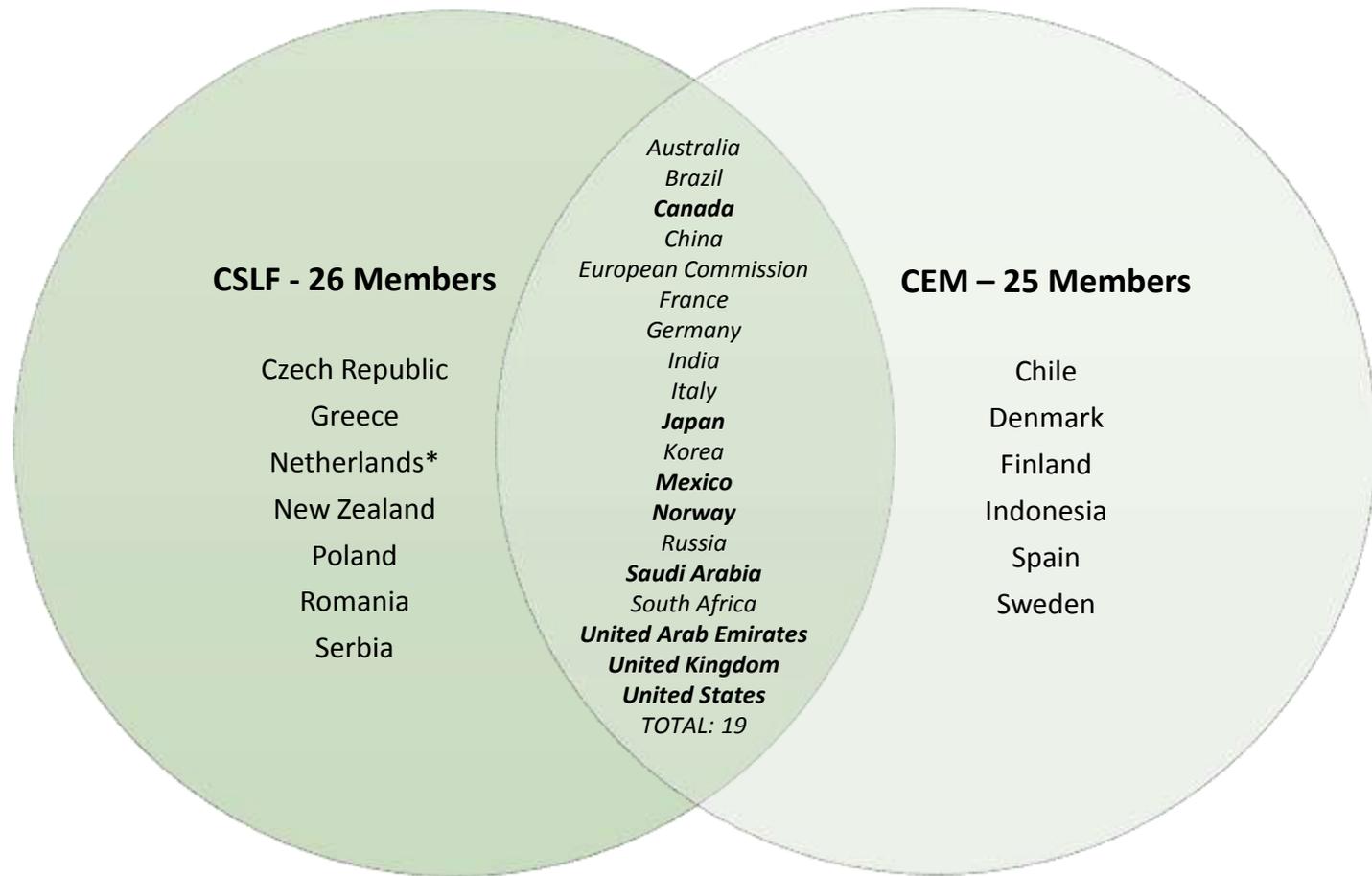
CEM9/MI-3 Official Public Private side-events

- The CEM9/MI-3 hosts and the secretariats will agree and propose on a set of prioritised themes for the side-events.
- For encouraging quality and clear outcomes of the side-events, only a limited number of venues/meeting rooms will be offered. Priority will be given to, but not limited to, existing or launching of new CEM and MI work streams.
- The hosts and secretariats will aim at given the side-event participants the possibility to feed their conclusions/recommendations into the Ministers discussions and into the CEM/MI work streams. The exact format for this will be further explored.

How can the CSLF Benefit and Capitalize?

- How do we best configure ourselves as a global CCUS community moving forward?
- CSLF vis-a-vis opportunities under the CEM and MI, IEAGHG, and GCCSI, other efforts?
- The opportunity to put CCUS back into the CEM:
 - CEM provides a broader audience and an opportunity to frame the broader conversation to include CCUS (and nuclear)
 - CEM has more convening power than the CSLF, broadly
 - CEM may be able to attract higher level private sector participants
 - CEM and MI are now co-located Ministerial and should dovetail together
- How should we work to configure, or reconfigure/optimize CEM, MI, CSLF, etc. broadly?

CSLF versus CEM



*Netherlands is a CEM observer country

Items to Consider:

- Need to develop work plan with milestones, timelines, and objectives: What should main focus and approach be to stand up CCUS thrust under the CEM? Currently drafted to focus on identifying and driving opportunities to invest in new CCUS projects
- Find leads and members: US proposed it and plans to lead or co-lead. Canada, Mexico, Norway, Saudi Arabia, United Arab Emirates, and United Kingdom have expressed interest as well. Which countries wish to sign on in terms of lead or supporting roles?
- CEM will need some initial seed funding to help stand it up and facilitate work to analyze and identify promising investment opportunities such as workshops to include with MDBs, etc.
- CEM might overlap CSLF Policy Group more than CSLF Technical Group. Should we form a group of folks interested, do SWOT analysis of potential work vs. best organizations to do the work under, etc.?
- Need to put best effort and idea on the table at CEM9/MI-3 with official launch of new CCUS initiative
 - Potential CEM9 CCUS Side Event with Ministers and CEOs to continue high-level policy discussion
 - Website?
 - Ask an Expert?
 - Video?