CLEAN ENERGY MINISTERIAL
Advancing Clean Energy Together

MULTILATERAL SOLAR & WIND WORKING GROUP
AN INITIATIVE OF THE CLEAN ENERGY MINISTERIAL

Multilateral Solar and Wind Working Group (MSWWG)

Promote the accelerated global deployment of solar and wind energy technologies

Goals

MSWWG seeks to promote the deployment of low-cost wind and solar energy, and renewable energy integration in all regions of the world.

Rationale for being included in the CEM

MSWWG contributes to reducing emissions, promoting a secure and affordable energy supply, and driving the transition to a global green economy by facilitating the deployment of solar and wind energy technologies internationally. MSWWG also allows different actors to connect through the projects, facilitating a unique global dialogue. This dialogue specifically serves to overcome barriers for the deployment of renewable energy technologies via elevating innovative policies and solutions from the technical level to the highest political level. In the last couple of years, the main work of MSWWG has been carried out through the campaigns launched by the initiative.

Courtesy of Canva.com., 2018

Key accomplishments

- Providing an action platform to accelerate variable renewable energy deployment by performing as a "megaphone" and bringing together powerful public-private coalitions. This has happened in the key projects and campaigns encompassed by CEM Members and G20 countries, major corporate actors and international organisations.
- Providing new insights on solar and wind energy technology development and depolyment, and system and market integration through analytical work carried out by IRENA and IEA.
- Strengthening the participation of CEM Members via on-the-ground activities like workshops and policy dialogues with in-country policy and technical stakeholders.
- Drawing ministerial-level attention to the challenges and opportunities of renewable system integration via high-level roundtables during the Ministerial days.
- Increasing private sector participation in Campaign events. For example the **Corporate Sourcing of Renewables Campaign** included many major corporations, and the **Power System Flexibility Campaign (PSF)** has about 20 leading business participants.
- Leveraging the power of coalition and technical partnerships from non-governmental organisations and business associations through CEM Campaigns associated with MSWWG. The **Long-Term Energy Scenarios for the Clean Energy Transition Campaign** has world-leading technical institutions as partners.

> "MSWWG allows different actors to connect through the projects, facilitating a unique global dialogue."

Energy supply and systems integration

Lead CEM Member(s)

Denmark, Germany, Spain

CEM Member Participant(s)

Brazil, China, France, India, Indonesia, Japan, Korea, Mexico*, Netherlands, Norway, Saudi Arabia, South Africa, United States

*Participation and leadership are under review.

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Key Actions

- **Global dialogues** between technical experts and CEM Ministers to put in place the right policies and technologies to increase the use of low-cost wind and solar energy.
- **Analytical work** to provide policy recommendations on solar and wind energy technology development and deployment as well as on system and market integration.
- **Increase awareness** of the potential of solar and wind energy, their socioeconomic benefits, and cost-efficient policy options to support their deployment.

Energy supply and systems integration

Highlights and deliverables since CEM9

- MSWWG has generated two CEM campaigns since CEM9: **Power System Flexibility Campaign (PSF)**, and **Long-Term Energy Scenario Campaign (LTES)**. These two campaigns have a broader energy system perspective, strengthening their links with energy system integration and demand side work streams.
- MSWWG solely focused on activities delivered through the PSF Campaign and LTES Campaign between CEM9 and CEM10.
- PSF organised high-level policy workshop and engaged the leading corporate partners through the year. e.g. Power system optimisation workshop at *Suzhou International Energy Transition Forum*. Deep-dive workshop on digitalisation at *Berlin Energy Transition Dialogue*.
- LTES has organised over 20 webinar sessions and over 12 events, including high-level policy forum, e.g. LETS International Forum in Berlin, and the LETS Regional workshop for Latin America in Brasilia.

Recent publications

MSWWG conducts and publishes extensive analyses that provide stakeholders with policy recommendations and best practices, e.g. **Status of Power System Transformation 2018** focusing on advanced power plant flexibility (by IEA and 21CPP), **Corporate Sourcing of Renewables** (by IRENA), **Status of Power System Transformation 2017** focusing on system integration and lcoal grids (by IEA and 21CPP), Report on **Solar and Wind Technology Costs** (by IRENA), **Report on Auctions** (by IRENA), **Report Value of Wind and Solar** (by IEA). The main focus is to make the reports as relevant as possible for policy makers and to disseminate the findings to relevant stakeholders and authorities, particularly in key emerging economies.

Operating Agent(s) / Coordinator(s)	International Energy Agency(IEA) International Renewable Energy Agency (IRENA)
Funding Government(s)/ Organisation(s)	Danish Ministry of Energy, Utilities and Climate, German Federal Ministry for Economic Affairs and Energy.
Global and In-Country Technical Partner(s)	Center for Resource Solutions (CRS), National Renewable Energy Laboratory (NREL), RE100, Renewable Energy Buyers Alliance (REBA), RE-Source Platform, Rocky Mountain Institute (RMI), Solar Power Europe, World Business Council for Sustainable Development (WBCSD), World Resources Institute (WRI), World Wildlife Fund (WWF). Agora Energiewende, Chinese Electrical Power Planning and Engineering Institute (EPPEI), China National Renewable Energy Center (CNREC), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Danish Energy Agency, VGB PowerTech E.V. (VGB).

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