

## Programme

# Green Grids Initiative-One Sun One World One Grid, Northwest Europe Cooperative Event

Monday 11 – Tuesday 12 October 2021 | WP1990V

### Virtual Event

A shared challenge across all countries as part of the clean energy transition is the need to build and operate electricity grids that can absorb large shares of variable renewable energy and deliver a massive scale-up of secure, reliable and affordable power to underpin decarbonisation of economies through widespread and rapid electrification. To achieve this, we need new transmission lines crossing frontiers and time zones.

This event will facilitate a multi-layered dialogue between the One Sun One World One Grid (OSOWOG) initiative and the experience in Northwest Europe of developing cross-border trading of renewable electricity generation, as a leading and early example of the wider approach under the Green Grids Initiative-One Sun One World One Grid (GGI-OSOWOG) in promoting international political cooperation, technical collaboration and knowledge exchange.

Ahead of the formal launch of GGI-OSOWOG during the World Leaders Summit at COP26 in Glasgow, this cooperative event will bring together governments, international financial and technical organisations, legislators, power system operators, developers and knowledge leaders to discuss the political, financial, and technical barriers across global grid networks. High level speakers will include ministers from partner countries, ISA Director-General Dr Ajay Mathur, as well as senior representatives from governments, the private sector and international institutions.

The event will focus on laying the foundations for a future work programme of dialogue and assistance under GGI-OSOWOG initiative to support India's OSOWOG vision and the UK's COP26 Energy Transition Council process for accelerating clean energy transition in key economies.

**COP26 Presidency, International Solar Alliance (ISA), World Bank Group, the UK Government and the Government of India are hosting this event in partnership with Wilton Park.**

In partnership with:



**Wilton Park**

Monday 11 October (BST – UK time)

1000-1145

## 1. Regional and international collaboration



Climate Parliament



How can large-scale interconnection and energy market integration help speed up the global transition to renewable energy? What is the scale of interconnector capacity required to meet net zero targets? What are the risks if we fail to invest now?

How can we build the political will to drive this up the global agenda? How can we communicate both the climate benefits and the economic and technological opportunities of closer bilateral and multilateral cooperation?

Which regions and point-to-point interconnections should be prioritised? Which institutions can lead on this, and what new structures or initiatives do we need at the regional and international levels? How best to involve local communities and diverse stakeholders in these processes?

### Chair

#### Nick Dunlop

Secretary-General, Climate Parliament

### Opening remarks

#### Jagjeet Sareen

Assistant Director-General, Investment and Finance, International Solar Alliance (ISA)

#### Lee McDonough

Director-General, Net-Zero Strategy and International, Department for Business, Energy and Industrial Strategy, London

#### Nick Dunlop

Secretary-General, Climate Parliament

### OSOWOG's technical study

#### Philippe Lienhart

Strategy Innovation New Business Manager, EDF, Paris

### Lead discussant

#### Pratik Agarwal

Managing Director, Sterlite Power, Mumbai

### Grid inter-connections and regional electricity market development: the EU's experience

#### Matthieu Craye

Directorate-General, Energy, European Commission, Brussels

### Panel discussion

#### Georgie Skipper

Chief of Corporate and Government Affairs, Sun Cable Australia, Sydney

#### Nuki Agya Utama

Executive Director, ASEAN Center for Energy (ACE), Jakarta

#### Peter Kinuthia

Senior Energy Advisor, Infrastructure and Energy Department, African Union Commission, Addis Ababa

**Gauri Singh**

Deputy Director-General, IRENA, Abu Dhabi

**Matthieu Craye**

International Relations Officer, Directorate-General for Energy, European Commission, Brussels

**Hauke Juergensen**

Senior Vice-President High Voltage Grids, Siemens Energy

1145-1200

**Break**

1200-1330

**2. Financing our vision**

What is the scale of investment required to achieve meaningful grid integration in each target region? What choices need to be made between competing technologies, and what are the cost implications?

What challenges are faced by companies and project developers working in this space? How do we address bankability and make projects scalable, attractive prospects for private investors? What lessons can be drawn from large scale projects such as the Australia to Singapore link or the cooperation between North Sea countries?

What would be the ideal balance between different types and sources of finance to meet this challenge: public/private/blended; national/multilateral; for-profit/concessional/philanthropic. How can these different sources of finance complement each other? What are the barriers, benefits and risks of each type of finance, and at what scale can each deliver?

**Chair****Anita Marangoly George**

Executive Vice President, CDPQ Global, Caisse de Dépôt et Placement du Québec (CDPQ), New Delhi

**Setting the context: investment needs****Abhishek Shivakumar**

Independent Consultant, Climate Compatible Growth (CCG), UCL Loughborough University, Cambridge

**Harmeet Bawa**

Global Head of Government and Institutional Relations, Hitachi Energy, Zurich

**Panel discussion****Moderator: Simon Stolp**

Practice Manager, Energy and Extractives Unit, South Asia, World Bank, Singapore

**Gauri Singh**

Deputy Director General, International Renewable Energy Agency (IRENA), Abu Dhabi

**Athena Ballesteros**

Managing Director, Global Climate Strategies, Climate Leadership Initiative, Rockville

**Paola Bresesti**

Managerial Adviser, Electricity Networks, European Investment Bank, Luxembourg

**Duncan Burt**

Chief Sustainability Officer, National Grid, London

**Closing remarks**

**Anita Marangoly George**

Executive Vice President, CDPQ Global, Caisse de Dépôt et Placement du Québec (CDPQ), New Delhi

1330-1335

**End of day wrap-up**

**James Corré**

Programme Director, Wilton Park

**Tuesday 12 October** (BST – UK time)

0830-1000

**3. Technical and regulatory cooperation**



What technical issues have been faced as distinct electricity transmission networks have been linked together? How have they been overcome? What are the specific challenges in integrating large volumes of intermittent renewable energy into the grid while maintaining reliability and security of supply? How can we design grids to offer priority grid access to clean sources of energy?

As distinct energy markets are linked together, what regulatory challenges need to be overcome? What degree of regulatory alignment and common pricing is required to successfully integrate markets, while respecting the national priorities and economic conditions in different countries?

**Chair**

**Akshay Kaul**

Director of Networks, Ofgem, London

**Case study: Northwest Europe**

**Paul Wilczek**

Head of Distribution and Market Facilitation Unit, Eurelectric, Brussels

**Case study: Transmission system in India**

**Ashok Pal**

Deputy COO, Central Transmission Utility (CTU), India

**Panel discussion**

**Asheya Patten**

Commercial Regulation and Customer Director, National Grid Ventures

**Subir Sen**

Executive Director, Powergrid

**Andrew Ho**

Head, Government and Regulatory Affairs, Asia Pacific and Asia Continental (APAC), New Markets, Orsted, Taipei

**Koen Locquet**

Acting President, Commission for Electricity and Gas Regulation (CREG); Lead, CEER Legal Affairs Committee, Brussels

1000-1045

**Break**

1045-1215

**4. Ministerial livestreamed session**

What is GGI-OSOWOG? What does the collaboration how to achieve? Who are the launch partners, and who is invited to join? What are world leaders likely to announce during COP26, and what are our next steps?

**Moderator****Cordi O'Hara**

President, National Grid Ventures, London

**Setting our vision for the GGI-OSOWOG collaboration****Kwasi Kwarteng**

Secretary of State for Business, Energy and Industrial Strategy, London

**Raj Kumar Singh**

Minister for Power and New and Renewable Energy (MNRE), New Delhi

**Tinne Van der Straeten**

Minister of Energy, Brussels

**The scale of the challenge: our collective ambition****Ajay Mathur**

Director General, International Solar Alliance (ISA), Haryana

**Junaid Ahmad**

Country Director, World Bank India, Washington DC

**Summaries from thematic sessions****Nick Dunlop**

Secretary General, Climate Parliament

**Anita Marangoly George**

Executive Vice President, CDPQ Global, Caisse de Dépôt et Placement du Québec (CDPQ), New Delhi

**Asheya Patten**

Commercial Regulation and Customer Director, National Grid Ventures

**Panel discussion****Abshiro Soka Halake**

Senator and Chairperson, Center for Multiparty Democracy, Kenya

**Randi Kristiansen**

Economics and Financial Analyst – Clean Electricity, International Energy Agency

**Giles Dickson**

Chief Executive Officer, WindEurope, Brussels

**Charles Wood**

Deputy Director Policy, EnergyUK, London