

ASIA CLEAN ENERGY FORUM 2019

PARTNERING FOR IMPACT

17-21 June 2019 | Manila



Deep Dive Workshop

Wednesday, 19 June 2019, 9:00 a.m. – 12.30 p.m.

Auditorium C

Women Power—Smarter, Inclusive Energy Solutions



Point of Contact:

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Background

Modern energy access (or the lack of it) is an important indicator of poverty and social development, such as equitable access to health, education and basic services, as well as women's welfare and even status in society. Asia is also a region of the world where extreme gender disparities persist, with disproportionate levels of poverty amongst women and some of the highest maternal mortality rates in the world. While there is no technological fix to the social and gender equity challenges, the low-carbon transition taking place in the energy and power sector in Asia, driven by technology innovation, does provide women the opportunity to get on board at the early phase of these changes and influence and even transform their societies and lives.

The ADB Strategy 2030 includes 'accelerating progress in gender equality' as one of the seven operational priority areas, including in the energy sector. The South Asia Department (SARD) has taken a systematic approach to mainstreaming gender equality and social inclusion in its energy portfolio, with 32% of SARD energy sector projects (2016-2018) categorized as 'effective gender mainstreaming' or empowering women by making the gender design features a core aspect of the project. Impact assessments and evaluations have been conducted and frameworks and methodologies developed to mainstream gender equality. Capacity development modules have been established in the form of lateral learning programs that have been conducted since April 2016 in India, Sri Lanka, Bangladesh and at the University of Melbourne, Australia. Partnerships have been an essential aspect of this work, with government implementing agencies, academic institutions, NGOs and professional organizations (IEEE Society on Social Implications of Technology). Knowledge products have been produced to inform and further enhance this work.

¹ Conference on Inclusive Community Energy Resilience in Bangladesh. 23-24, April 2019. Gazipur, Bangladesh, <https://k-learn.adb.org/learning-events/conference-inclusive-community-energy-resilience-bangladesh>; Smart grid technologies and implications for inclusive development in Sri Lanka. 3-4, April 2018. Galle, Sri Lanka, <https://k-learn.adb.org/learning-events/smart-grid-technologies-and-implications-inclusive-development-sri-lanka>; Second Lateral Learning Program on Smart Grid Technologies and Implications for Inclusive Development 2-6 October 2017. University of Melbourne, Australia, <https://conference.eng.unimelb.edu.au/inclusive-energy/>; Smart Grid Technologies and Implications for Inclusive

Development. 19-20 April, 2017. Bhopal, India, <https://www.adb.org/news/events/smart-grid-technologies-and-implications-inclusive-dev-workshop>; Deep Dive Lateral Learning Program on Inclusive Energy Solutions. 29 August-2 September, 2016. University of Melbourne, Australia, <https://conference.eng.unimelb.edu.au/inclusive-energy/2016/>; Sub-regional Conference: Going Beyond the Meter: Inclusive Energy Solutions in South Asia. 11-12 April 2016. Jaipur, India, <https://www.adb.org/news/events/inclusive-energy-solutions-south-asia2>
²*Energy Technology Innovation in South Asia: Implications for Gender Equality and Social Inclusion*. Reihana Mohideen. ADB, 2018, <https://www.adb.org/publications/energy-technology-innovation-south-asia>.
Tariff Appraisal Study: Balancing Sustainability and Efficiency with Inclusive Access. Tilak Siyambalapatiya. ADB, 2018. <https://www.adb.org/publications/tariff-appraisal-study>

Objective

The main objective of the workshop will be for participants to gain in-depth knowledge of the work done in the ADB energy portfolio to integrate gender equality and social inclusion (GESI) considerations, with a focus on practice in South Asia. Specific objectives include:

1. Drawing lessons for practice in the Asia-Pacific region, both within the ADB and amongst ADB partners and external networks;
2. A lateral learning exercise to assess the work done and to gain insights on how to build on current practice and further develop this work, with a focus on resilience, policy and planning, and;
3. To explore new ways of collaboration and partnerships.

In addition, ACEF participants will get a unique opportunity to gain in-depth and practical cross-disciplinary knowledge on the linkages, frameworks and methodologies, and practical application GESI considerations in the energy infrastructure sector. They will get a chance to engage with experts in this field, including those with engineering and social expertise; and interact with other participants, across disciplines, expertise and operational contexts, through open discussions in a collaborative, peer-sharing and learning environment. Participants will also be able to influence the ADB energy portfolio through constructive suggestions and inputs.

Agenda

9.00 a.m. – 9.40 a.m.

Opening Session

Moderator: Eleonora Windisch, Advisor and Head, Portfolio, Results and Quality Control Unit, Office of the Director General, South Asia Department (SAOD-PR), ADB

Topic 1: GESI mainstreaming in the ADB energy portfolio—an overview and story line

Presenters:

- Priyantha Wijayatunga*, Director, South Asia Energy Division, ADB
- Pankaj Batra*, Ex-Chairperson and Member (Planning), Central Electricity Authority, Ministry of Power, Government of India
- Francesco Tornieri*, Principal Social Development Specialist (GAD), SAOD-PR, ADB
- Reihana Mohideen*, Senior Research Fellow & Program Lead 'energy, community and the region', University of Melbourne, Energy Institute

9.40 a.m. – 10.00 a.m.

Q&A: Topics 1

10.00 a.m. – 10.30 a.m.

Topic 2: Applications --Case Studies (videos and presentations)

Moderator: Francesco Tornieri, Principal Social Development Specialist (GAD), SAOD-PR, ADB

Presenters:

- i. Case study 1: Clean energy and technology access in Bangladesh
Nasheeba Selim, Senior Social Development Officer (GAD), Bangladesh Resident Mission, ADB
- ii. Case study 2: Smart grid capacity development--the Nepal Electricity Authority
Pushkar Manandhar, Project Officer (Energy), Nepal Resident Mission, ADB
- iii. Case study 3: Achieving full electrification in Sri Lanka--Financial modalities
Sudarshana Jayasundara, Social Development Officer (GAD), Sri Lanka Resident Mission, ADB
- iv. Case study 4: The 'Barefoot Solar Engineers' of Bhutan
Nidup Tshering, National Social Development Consultant (GAD), Bhutan Resident Mission, ADB

10.30 a.m. – 11.00 a.m.

TEA BREAK

11.00 a.m. – 11.15 p.m.

Topic 3: Impact Assessment--methodologies and results

Moderator: Aiming Zhou, Principal Energy Specialist, South Asia Energy Division, ADB

Presenters:

- i. Case Study 5: India Madhya Pradesh Enhancing Energy-Based Livelihoods for Women Micro-Entrepreneurs
Prabhjot Khan, Social Development Officer (GAD), India Resident Mission, ADB
- ii. Gender mainstreaming in renewable energy programs – impacts and results
Jyoti Parikh, Executive Director, Integrated Research and Action for Development (IRADe)

11.15 a.m. – 11.30 a.m.

Q&A: Topics 2 and 3

11.30 a.m. – 12.00 p.m.

Topic 4: Innovation--the energy transition, 'smarter' grid and GESI

Moderator: Yoojung Jung, Social Development Specialist (Safeguards), SAEN, ADB

Presenters:

- i. *Greg Adamson*, IEEE Ad Hoc on TechEthics and Past President IEEE-Society on Social Implication of Technology--on blockchain driven community energy
- ii. *Susumu Yoneoka*, Energy Specialist (smart grid), Sustainable Development and Climate Change Department (Energy), ADB--on smart grid and resilience capacity
- ii. *Reihana Mohideen*, Senior Research Fellow & Program Lead 'energy, community and the region', University of Melbourne, Energy Institute

12.00 p.m. – 12.10 p.m.

Q&A: Topic 4

12.10 p.m. – 12.25 p.m.

Open forum: Feedback on lessons learned

12.25 p.m. – 12.30 p.m.

Take-aways and closing

Indicative List of Speakers

- **Priyantha Wijayatunga**, Director, Energy Division, South Asia Department (SARD), ADB
- **Reihana Mohideen**, Senior Research Fellow & Program Lead 'energy, community and the region', University of Melbourne, Energy Institute, Australia
- **Pankaj Batra**, Ex-Chairperson and Member (Planning), Central Electricity Authority, Ministry of Power, Government of India
- **Greg Adamson**, IEEE Ad Hoc on TechEthics and Past President IEEE-Society on Social Implication of Technology
- **Francesco Tornieri**, Principal Social Development Specialist (GAD), SARD, ADB
- **Prabhjot Khan**, Gender and Development Specialist, India Resident Mission, ADB
- **Nasheeba Selim**, Gender and Development Specialist, Bangladesh Resident Mission, ADB
- **Sudarshana Jayasundara**, Social Development Officer (GAD), Sri Lanka Resident Mission, ADB
- **Nidup Tshering**, National Social Development Consultant (GAD), Bhutan Resident Mission, ADB
- **Susumu Yaneoka**, Energy Specialist (smart grid), SDCC, ADB
- **Jyoti Parikh**, Executive Director, Integrated Research and Action for Development (IRADe)
- **Pushkar Manandhar**, Project Officer (Energy), Nepal Resident Mission, ADB
- **Aiming Zhou**, Principal Energy Specialist, South Asia Energy Division, ADB

About the Organizers

The University of Melbourne, Melbourne Energy Institute - This University undertakes inter-disciplinary research on sustainable energy, and on the challenges of transitioning towards a low carbon energy system. It works with the community, industry and government on some of the world's most pressing energy challenges. The 'energy, community and the region' program examines how individuals, communities and states rely on and interact with energy technologies and energy systems, with a focus on social and gender equality and national development.

<https://energy.unimelb.edu.au/home/research/energy,-community-and-the-region>

IEEE Society on Social Implication of Technology (SSIT) - The SSIT has five "pillars" as primary focal points:

- Sustainable Development;
- Ethics/Human Values;
- Universal Access;
- Societal Impacts; and
- Protecting the Planet.

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