

ASIA CLEAN ENERGY FORUM 2018

HARNESSING INNOVATION TO POWER THE FUTURE

Manila, Philippines • 4-8 June 2018



Gigatech Solutions for Gigaton Problems: Floating Solar Practice and Potential

8 June 2018 (Friday), 9:00 a.m. - 5:30 p.m.

Background

While nascent, floating solar PV is expected to grow rapidly due to certain key advantages, including avoided land-use competition through utilizing space on freshwater reservoirs, and providing complementarity with hydropower production in terms of hybrid operation and reducing evaporation. In some countries such as Korea, Japan and China, large-scale commercial floating solar installations have been built - China's 40 MW installation in Anhui Province is considered the largest floating solar power plant in the world, and was successfully connected to the grid in May 2017.

For Asia-Pacific countries, there is significant near-term potential for floating solar PV in inland fresh water sites, as well as in the future commercialization of systems for brackish and marine waters. However, much like ground-mounted solar, grid parity remains a challenge in some countries. In addition, operational and environmental viability must be carefully considered. Knowledge exchange and initiatives to address technical and non-technical barriers, such as pilot projects, will be crucial in these early stages.

Objective of the Workshop

- Present the concept of floating solar PV and the current state of the technology to ACEF attendees
- Develop interest among ADB staff and Asia-Pacific government officials to explore floating solar
- Encourage partnerships between stakeholders to overcome technical and non-technical barriers

Agenda

Time	Activity
	WORKSHOP CHAIR: Cindy Tiangco, Senior Energy Specialist ADB
09:00 – 09:10	Opening Remarks: Yongping Zhai, Chief of Energy Sector Group of ADB
09:10 – 09:45	Session 1: The early days – historical development and technology testing
	Moderator: Cindy Tiangco, ADB Central & West Asia Energy Division
	Global Development through 2017, L. Pacudan, ADB CWRD Consultant
	Solar Energy Research Institute of Singapore (SERIS) testbed operations; Thomas Reindl, SERIS.

09:45 – 10:45	<p>Session 2: Scaling up (part 1)</p> <p>Moderator:</p> <p>40 MW and larger plants in PRC -- Simon Li, Trina Solar</p> <p>Singapore's Floating Solar Program -- Atem Ramsundersingh, CEO, WEnergy</p> <p>Bangladesh's Outlook for Floating Solar – Rahamat Ullah Mohd. Dastagir, Additional Secretary, Planning and Renewable Energy, Power Division Ministry of Power, Energy and Mineral Resources of Bangladesh</p>
10:45 – 11:00	<p>Coffee break</p>
11:00 – 12:30	<p>Session 3: Scaling up (part 2)</p> <p>Moderator:</p> <p>Central Asia ADB Regional TA -- Cindy Tiangco ADB CWRD</p> <p>Bangladesh RE Development Project -- Hongwei Zhang, ADB SAEN</p> <p>Technology Development -- Ciel et Terre, Harold Meurisse</p> <p>Market prospects -- Frank Haugwitz, AECEA</p>
12:30 – 14:00	<p>Lunch</p>
14:00 – 15:30	<p>Session 4: Scaling up (part 3)</p> <p>Moderator: Akanksha Chaurey, IT Power Ltd.</p> <p>Global Perspective – K.K. Sharma, International Solar Alliance</p> <p>India's 10 GW Initiative - S.K. Mishra, Solar Energy Corporation of India Ltd. (SECI)</p> <p>India's program: engineering perspective – Ravi Rama, SJ Renewables</p> <p>Developer's Views from Europe and Asia -- Luc Leenknecht and Jerome Flament, PerPetum Smart Energy Solutions</p>
15:30 – 17:00	<p>Session 5: Anticipated future developments including marine applications</p> <p>Moderator: Dan Millison, Transcendergy LLC</p> <p>Virtual pumped storage & combined cycle hydropower -- Sasank Goli, Ecogy Cleantech</p> <p>Floating Solar and Low-Cost Energy Storage for Developing and Threshold Countries -- Hans-Henning Judek, JE Access</p> <p>E-Kettuvallam Solar Houseboats – Itty Varugis, Team Sustain</p> <p>Floating tidal instream energy – Jason Hayman, Sustainable Marine Energy Ik9jmi'</p>
17:00 – 17:15	<p>Summary and closing remarks</p>

NOTE: the agenda is subject to revision. Updated agenda will be available on the ACEF website.

For any questions, please contact:

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