

## **Energy Storage Partnership (ESP) Meetings**

November 4-7, 2024 | Marrakesh, Morocco

### **Background**

Energy storage is pivotal for the decarbonization of the power sector and the energy transition. Its impact goes from enhancing renewable energy deployment, to increasing energy access and decarbonizing other sectors. To enable the rapid uptake of variable renewable energy in developing countries, the World Bank Group convened the Energy Storage Partnership (ESP), a global initiative involving national laboratories, research institutions, development agencies, and philanthropies. At present, the ESP has 56 partners that work together to develop a knowledge base in energy storage solutions tailored to the needs of developing countries.

The ESP aims to foster international technological cooperation and training to develop and adapt to new energy storage solutions tailored to the needs and conditions of developing countries. The ESP is hosted at the World Bank's Energy Sector Management Assistance Program (ESMAP). The partnership takes a holistic, technology-neutral approach by looking at all forms of energy storage, including but not limited to batteries.

### **The ESP Stakeholder Forum and 11th Partners Meeting**

The Energy Storage Partnership Meeting is the annual gathering of ESP partners and stakeholders. In 2024, ESP Meeting, marking the fifth anniversary of the ESP, will bring together key stakeholders, industry leaders, and experts in a series of in-person and virtual meetings from November 4 to 7, 2024 in Marrakesh, Morocco. Hosted in collaboration with MASEN, the event will feature the eleventh ESP Partners Meeting and the ESP Stakeholder Forum, which will be complemented by site visits to Ouarzazate as well as Green Energy Park and University Mohamed 6 Polytechnic Benguerir Battery Research Facilities.

## Agenda

### Monday, 4 November 2024: Stakeholder Forum

Time	Session
09:00-09:30	<b>Introductory Remarks by Co-hosts</b> <ul style="list-style-type: none"> <li>• <b>Chandrasekar Govindarajalu</b>, Practice Manager, ESMAP, World Bank</li> <li>• <b>Hicham Bouzekri</b>, Director R&amp;D and Industry, MASEN</li> </ul> <b>Achievements and Outlook of the Energy Storage Program and Partnership</b> <ul style="list-style-type: none"> <li>• <b>Xiaoping Wang</b>, Lead Energy Specialist, ESMAP, WB</li> </ul>
09:30-11:00	<b>World Bank Client Session – Global and Regional Experience with Energy Storage</b> <b>Moderated by: Xiaoping Wang</b> , Lead Energy Specialist, ESMAP, WB <ul style="list-style-type: none"> <li>• <b>Haji Haji</b>, General Manager, Zanzibar Electricity Corporation, Zanzibar</li> <li>• <b>Jun Li</b>, Chief Economist, China Energy Construction Digital Technology Group Co. Ltd, China Energy Engineering Corporation, China</li> <li>• <b>Fatima Hamdouch</b>, Executive Director Strategy and Monitoring, Interim International Cooperation Director, MASEN</li> <li>• <b>Sivakumar Venkat Vepakomma</b>, Director, Power Systems, SECI</li> </ul>
11:00-11:20	<b>Coffee Break</b>
11:20-12:30	<b>Morocco's Energy Storage Ecosystem</b> <b>Moderated by: Hicham Bouzekri</b> , MASEN <ul style="list-style-type: none"> <li>• <b>Ali Elharti</b>, President of FENELEC, National Electricity Industry Federation</li> <li>• <b>Jonas Alami</b>, Head of the Material Science &amp; Nano-engineering Department, UM6P</li> <li>• <b>Abdelghani El Kacimi</b>, CTO, Innov'X company</li> <li>• <b>Mohcine Bouya</b>, Director of Technology Transfer Office, Université Internationale de Rabat</li> </ul>
12:30-14:00	<b>Lunch Break</b>
14:00-15:20	<b>Global Energy Storage Technologies</b> <b>Moderated by: Talal Anan Kanaan</b> , Energy Specialist, ESMAP, WB <ul style="list-style-type: none"> <li>• <b>Abdulrahman Abdulmajeed</b>, Senior Growth Associate – New Markets, Fluence (Li-Ion &amp; Containerized solutions)</li> <li>• <b>Dr Avishek Kumar</b>, CEO, VFlowTech</li> <li>• <b>Martin Guanhouwen</b>, Huawei</li> </ul>
15:20-16:30	<b>Bankability of Energy Storage Projects</b> <b>Moderated by: Daniel Layug</b> , IFC <b>GEAPP Perspective on Financing of BESS: Umang Maheshwari</b> , Director of Policy and Business Development, GEAPP <ul style="list-style-type: none"> <li>• <b>Nabil Saimi</b>, Country Director, ACWA Power</li> <li>• <b>Mohammed Berrada</b>, Senior Manager for Project Finance, AMEA Power</li> <li>• <b>Wei Yang</b>, Vice President, Huaxia Bank</li> </ul>
16:30-16:45	<b>Presentation on Site Visit to Ouarzazate</b> <ul style="list-style-type: none"> <li>• <b>Narjiss Safrioui</b>, Communication Lead, MASEN</li> </ul>
16:45-17:15	<b>Stakeholder Feedback Session</b> <b>Moderated by: Tarek Keskes</b> , Energy Specialist, ESMAP, World Bank
17:15-17:30	<b>Closing remarks by the World Bank &amp; MASEN</b> <ul style="list-style-type: none"> <li>• <b>Chandrasekar Govindarajalu</b>, Practice Manager, ESMAP, World Bank</li> <li>• <b>Tarik Ameziane Moufaddal</b>, CEO and President, MASEN</li> </ul>

17:30-19:00 **ESP Stakeholder Forum Reception**

## Tuesday, 5 November 2024: Site Visit to Ouarzazate

Time	Session
6:00 – 18:00	<b>Site Visit to MASEN's Noor Ouarzazate Solar Plant (incl. lunch stop)</b>

## Wednesday, 6 November 2024: ESP Partners Meeting

Time	Session
10:00-10:15	<b>Welcome by World Bank and MASEN</b> <ul style="list-style-type: none"> <li>• Chandrasekar Govindarajalu, Practice Manager, ESMAP, World Bank</li> <li>• Hicham Bouzekri, Director of R&amp;D and Industry, MASEN</li> </ul>
10:15 – 10:45	<b>Introduction of New ESP Partners – New Partners' Presentations</b> Moderated by: Juliet Pumpuni, Senior Energy Specialist, ESMAP, World Bank <ul style="list-style-type: none"> <li>• Andreas Hauer, Vice-President, ISES (online)</li> <li>• Balaji Raparathi, Senior Programme Manager, Shakti Foundation</li> </ul>
10:45 – 11:30	<b>Panel with ESP Partners – Working Group Updates (NTUA Report, VESA)</b> Moderated by: Tarek Keskes, Energy Specialist, ESMAP, World Bank <ul style="list-style-type: none"> <li>• John Karakitsios, NTUA (online)</li> <li>• Talal Anan Kanaan, ESMAP, World Bank</li> </ul>
11:30 – 12:10	<b>Panel on Minigrids in Morocco and Africa</b> Moderated by: Hicham Bouzekri, MASEN <ul style="list-style-type: none"> <li>• Jens Jaeger, Alliance for Rural Electrification</li> <li>• Hatim Sehli, Senior Project Manager, MASEN</li> </ul>
12:10 – 12:20	<b>Global Energy Storage Targets Under Discussion for COP</b> <ul style="list-style-type: none"> <li>• Alex Campbell, Director of Policy and Partnerships, LDES Council</li> </ul>
12:20 -14:00	<b>Lunch</b>
14:00 – 14:10	<b>NREL Presentation on Moss Landing Project (TBD)</b>
14:10 -14:20	<b>New Initiatives in Energy Storage (BESS Consortium)</b> <ul style="list-style-type: none"> <li>• Umang Maheshwari, Director of Policy and Business Development, GEAPP</li> </ul>
14:20 – 15:10	<b>Gender in Energy Storage</b> Moderated by: Nathyeli Acuna Castillo, ESMAP, WB <ul style="list-style-type: none"> <li>• Natalia Weber, GWNET</li> <li>• Hawa Amri Rwenza, Electrical Supervisor, Tanzania International Petroleum Reserves (TIPER) Limited</li> <li>• Khushbakht Munir, Co-Chair of Women in Pakistan</li> </ul>
15:10 - 15:20	<b>Celebrating Fifth Anniversary of ESP – ESP Achievements over the past five years</b> (video, testimonials from partners etc)
15:20 – 15:30	<b>Announcement of ESP Meeting 2025</b>
15:30 – 16:00	<b>Break</b>
16:00 - 17:15	<b>ESP Working Group Redesign &amp; Future of ESP Brainstorming</b> <ul style="list-style-type: none"> <li>• Kick-off presentation by Talal</li> <li>• Break-out Groups (led by Talal, Tarek, Rafa, Juliet)</li> </ul>
17:15 - 18:00	<b>Open Discussion on the Outcomes of the Brainstorming</b> Moderated by: Xiaoping Wang, Lead Energy Specialist, ESMAP, WB
18:00 –18:15	<b>Closing Remarks by the World Bank and MASEN</b> <ul style="list-style-type: none"> <li>• Chandrasekar Govindarajalu, Practice Manager, ESMAP, World Bank</li> </ul>

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- **Hicham Bouzekri**, Director of R&D and Industry, MASEN
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### Thursday, 7 November 2024: Local Site Visits and Cultural Activities

Time	Session
Morning	Technical Site Visit to: <ul style="list-style-type: none"><li>• <b>Green Energy Park, and</b></li><li>• <b>University Mohamed 6 Polytechnic Benguerir Battery Research Facilities</b></li></ul>
TBD	Lunch Break
Afternoon	<b>Cultural Activities &amp; Sightseeing</b> (individual activities)

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