Energy Storage Partnership (ESP) Meetings  
November 7-8, 2023

The next ESP Stakeholder Forum and the tenth ESP Partners Meeting will be held as a series of hybrid (in-person in South Africa and virtual) meetings between November 7 and 8, 2023. On November 7, the ESP Stakeholder Forum will convene the private sector and WB client country representatives to share the experience of developing countries in their energy storage journey, and to present the latest on energy storage technologies, followed by the site visit to the CSIR Energy Storage testbed and the Photo-Voltaic facilities.

On the third day, November 8, all participants will be invited to workshop on “Methodologies for Sustainability Assessment of Energy Storage” led by VITO/BERA and CSIR that will be complemented by a site visit to an ESKOM facility.

ESP Stakeholder Forum (open to stakeholders)

<table>
<thead>
<tr>
<th>Times in SAST</th>
<th>Tuesday, November 7</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>ESP Stakeholders’ and Partners’ Registration</td>
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</table>
| 09:00-09:45   | **Introductory remarks**  
|               | Chair: Mirlan Aldayarov, Lead Energy Specialist, World Bank  
|               | • Demetrios Papathanasiou, Global Director, Energy and Extractives Practice, World Bank  
|               | • British High Commissioner (TBC)  
|               | • Thulani Dlamini, CEO, Council for Scientific and Industrial Research (CSIR)  
|               | • Nomfundo Tshabalala, Director General, Department of Forestry, Fisheries and the Environment (DFFE)  
|               | **Update on ESP**, Juliet Pumpuni, Senior Energy Specialist, ESMAP, World Bank |
| 09:45-11:00   | **Upcoming Projects – Challenges and Opportunities for Energy Storage Deployment in Developing Countries**  
|               | Moderator: Amit Jain, Senior Energy Specialist, World Bank  
|               | • Ryan Cobb, Director of Energy, Ministry of Public Utilities, Energy, Logistics & E-Governance, Belize  
|               | • Ahmed Munir, Director, Power Cell, Power Division, Ministry of Power, Energy and Mineral Resources Bangladesh, Awlad Hossain, Project Director of the Modernization and Capacity Enhancement Project, Bangladesh Rural Electrification Board, Bangladesh  
|               | • Fred Bailey, Senior Engineer, NamPower, Namibia |
| 11:00-11:15   | **BREAK** |
11:15-12:45  | **Energy storage technology updates Session I, presentations followed by Q&A**
            | Presentations on new projects and technology updates on energy storage, and its applicability to developing countries.
            | Moderator: Rafa Ben, Energy Specialist, ESMAP, World Bank
            | - Rebecca Ellis, Energy Policy Manager, International Hydropower Association
            | - Rajat Verma, CEO and Co-Founder, Lohum
            | - Patricia Santamaria, Chief Innovation Officer, R Pow Consulting

12:45-14:00 | **LUNCH BREAK**

14:00-14:20 | **Perspectives on the Sustainability of Energy Storage Solutions**
            | - Session Led by VITO/BERA

14:20-15:35 | **Energy storage technology updates Session II, presentations followed by Q&A**
            | Presentations on new technology updates on energy storage applications, circular economy on batteries, and battery tech and certification, and its applicability to developing countries.
            | Moderator: Thabo Hlalele, Energy Centre Manager, Council for Scientific and Industrial Research (CSIR)
            | - Representative - Bushveld Energy
            | - Phillip Kgosana, SABS
            | - Keith Anderson, EPR waste association of South Africa

15:35-15:50 | **BREAK**

15:50-16:30 | **Presentation and Discussion on South Africa’s BESS Value Chain Report**
            | Chair: Tarek Keskes, Energy Specialist, ESMAP, World Bank
            | - By Harsh Thacker (Customized Energy Solutions) and Frederick Verdol (World Bank)

16:30-17:00 | **Stakeholder Feedback**
            | - Open forum led by Ivana Smolenova, Consultant, ESMAP, World Bank

17:00-17:10 | **Closing remarks by the World Bank**
            | - By Asmeen Khan, Operations Manager, World Bank

17:10-19:00 | **Site Visit – CSIR Testbed – 2 groups (testbed and PV facility)**

19:00-21:00 | **ESP Stakeholder Forum Reception**

Site Visits and Workshop (open to stakeholders)

**Times in SAST**
**Wednesday, November 8**

<p>| 08:30-09:00 | <strong>Transportation from the Hotels to ICC</strong> |</p>
<table>
<thead>
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<th>Time</th>
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<tr>
<td>9:00-11:30</td>
<td><strong>Workshop: Methodologies for Sustainability Assessment of Energy Storage</strong>&lt;br&gt;Chair: Mmalewane Modibedi, CSIR - led by VITO/BERA and CSIR</td>
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<tr>
<td>11:30-12:30</td>
<td>Lunch Break</td>
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<td>12:30-13:30</td>
<td>Transportation to the Site Visit</td>
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<tr>
<td>13:30-15:00</td>
<td>Site Visit 1 – ESKOM Facility</td>
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<td>15:00-16:00</td>
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