

Unlocking the Potential of PV+: Integrating Solar Energy for Sustainable Development

PV+ Report Launch Side Event at the SDG Pavilion at COP30

Concept Note

Date & Time:

14 November 2025 | 5:20 PM – 6:20 PM Belém Time (GMT-3)

Location:

SDG Pavilion at COP30, Belém, Brazil

Host:

- Chinese Renewable Energy Industries Association (CREIA)

Co-organizers:

- United Nations Department of Economic and Social Affairs (UN DESA)
- Global Solar Council (GSC)

Background

Emerging and developing economies have an urgent and pressing need for economic growth that is both sustainable, that leaves no one behind and that delivers resilience and climate adaptation for every village and community.

Solar plus battery storage, both on-grid and off-grid and above all when applied to 'productive uses' such as agriculture, medical supply chains, transport and more (PV+). Solar plus storage in this context is more than just a means to provide clean electricity – it can deliver economic growth and the SDGs, lower cost energy systems and, above all, resilience to climate impacts, natural disasters and fragility.

We have a mission to ensure that every single human on the planet has access to solar plus storage electricity in one form or another, contributing directly to the achievement of multiple SDGs.

To enable this mission, a series of high-level dialogues, roundtables, capacity-building initiatives, and knowledge products have been launched by the United Nations Department of Economic and Social Affairs (UN DESA). The overarching aim is to assist governments and entities from the Global South in navigating their transition towards clean energy and climate resilience and clean, distributed energy that provides benefits to every community, including the very last mile. These platforms offer policymakers and experts the

opportunity to exchange invaluable experiences, best practices, and institutional insights, while confronting shared challenges as a community.

In this context and as part of these knowledge products, UN DESA, CREIA, and Global Solar Council are launching the new flagship report titled *PV+ and Opportunities for South-South Cooperation: Solar Energy Use for Sustainable Development*. This report highlights integrated solar solutions for sustainable development in emerging and developing regions. This research effort promotes the deployment of solar photovoltaic (PV) systems integrated with productive and social sectors such as agriculture, buildings, and transport - an approach termed “PV+.” The event will explore how PV+ applications can drive economic transformation, improve living standards, and help avoid carbon lock-in by enabling clean energy access across low- and middle-income countries.

Objectives of the Event

- Present the key findings and policy recommendations from the report.
- Highlight enabling frameworks and policies that facilitate the deployment of integrated solar solutions.
- Foster dialogue between Member States, industry leaders, and stakeholders on accelerating PV+ in national strategies.
- Identify international cooperation opportunities to support PV+ adoption and accelerate the uptake of PV+ deployment across emerging and developing economies.

Format and Participation

This 60-minute session will begin with opening remarks from high-level speakers. A brief presentation will highlight key report findings, followed by a high-level panel discussion with Member States, International organizations, and industry experts.

Expected participants: ~30 (in-person), including policymakers, international organizations, private sector representatives, civil society, and academia.

Provisional Agenda

Moderator: Sonia Dunlop, Chief Executive Officer of Global Solar Council

- 5:20 – 5:35 PM | Opening Remarks
 - Mr. Juwang Zhu, Director of the Division for Sustainable Development Goals, UN DESA (online)
 - Representative from KEY PARTNER (tbd)
- 5:35 – 5:50 PM | Presentation of the PV+ Report
 - Ms. Li Dan, Executive Secretary, Chinese Renewable Energy Industries Association
- 5:50 – 6:15 PM | High-Level Panel Discussion: Scaling PV+ for Sustainable Development

Moderator: Ms. Bahareh Seyedi, Senior Energy and Climate Advisor, UN DESA

- Existing PV+ application and pilot project in Global South, the economic and social influence to developing countries, and the actual requirements or demands in sustainable development that PV+ could solved recently and in future.
- Different roles and positions of major stakeholders in facilitating PV+ applications in Global South, public organizations, industries, policymakers, actual consumers.
- For financing, what is role of public sector and private sectors in facilitating the utilization of PV+ applications and how the two parts could be combined?
- For policy, any existing policy mechanism has been adopted in developing countries,
- Possible international cooperation mechanism in facilitating PV+ applications in Global South countries, capacity building? Local industrialization?
- Priority for the next step solution

Panelists:

- Mr. Ayo Ayedimula, Renewable Energy Association of Nigeria
 - Mr. Rodrigo Sauaia, CEO of ABSolar
 - Ms. Wang Man, Specialist of renewable energy international collaboration, CREIA
 - Ms. Lu Lisha, Director of International Cooperation Department, CREIA
 - Ms. Li Qian, CEO of ALILI
 - Mr. She Haifeng, VP of LonGi
- 6:15 – 6:20 PM | Closing Remarks
 - Ms. Bahareh Seyedi, Senior Energy and Climate Advisor, UN DESA

Languages

English