



Deep Dive Workshop Solarising Sustainability: Catalysing Clean Energy Collaborative Action in Asia and the Pacific

ACEF 2023

Prioritisation of Solar
Programme – South Asia
Region

ISA-ADB Partnership

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Who We are?

WE ARE ON A MISSION TO SOLARIZE THE WORLD BY 2030

Who we are

- Inter-governmental treaty-based international organization with a global mandate to catalyse global solar growth
- Launched by **Hon'ble Prime Minister of India**, and former French President
- Till date, **115 countries** have signed the ISA Framework Agreement
- ISA is helping to attain **SDG 7** (Universal Energy Access) and **SDG 13** (Combating Climate Change)

ISA Mission

- Enabling Energy Transition of **1,000 GW** of Solar Capacity
- Reducing Carbon Emissions by **1,000 Million Tonnes**
- Ensuring Energy Access for **1,000 Million People** using Clean Energy Solutions
- Mobilizing **USD 1,000 Billion** in Solar Investments



key Issues



Energy Access



Energy Security



Energy Transition



Priority Areas



Analytics & Advocacy

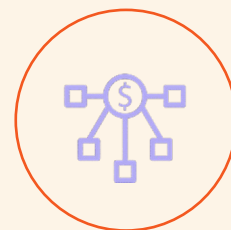


Capacity Building



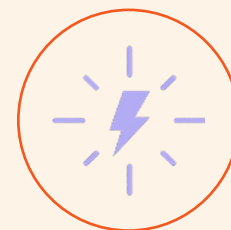
Programmatic Support

ISA Journey So Far



USD 83M+

Resources mobilized from member countries & global foundations



9.5 GW+

Aggregated Concept proposals received from 44 members



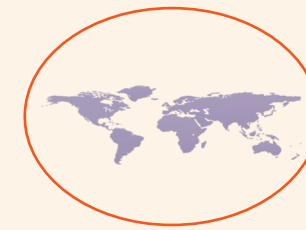
3,073

Personnel trained on aspects of solar



27 Demonstration Projects

Demonstration projects in pipeline for 27 LDC & SIDS Member Countries, all DPRs approved.



ISA Flagship Reports

Solar Technology Report, Solar Market Report & Solar Investment Report, ISA's "Ease of Doing Business" Report



2

ISA Initiatives & ISA
ADB interventions

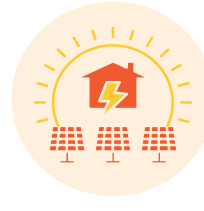
The 9 Programmatic Support Areas of the ISA

Centralized



Solar Park

Decentralized



Scaling Solar Mini-Girds



Scaling Solar Rooftop



Scaling Solar Application of Agricultural Use



Solar Heating and Cooling Systems

Cross Cutting

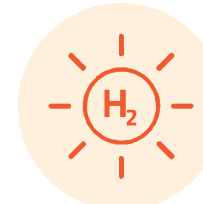


Affordable Finance at Scale

Emerging Programmes



Solar PV Battery and Waste Management



Solar for Green Hydrogen



Scaling Solar E-Mobility & Storage

Country Engagement



Demo Projects
27 Countries



Solar Mini-grids
19 Countries
785.6 MW



Solar Parks
19 Countries
7,657 MW



Solar Water Pumping
29 Countries
276,229 Nos.



Solar Rooftop
21 Countries
1,059 MW

Demonstration Projects

10 Projects

Nos. of Countries-10



Solar Water Pump Systems

Scaling Solar Applications for Agriculture and Drinking water use.

Rooftop Solar

Solarization of Health Centre, School buildings and other Govt Building



13 Projects

Nos. of Countries-13

01 Project

Nos. of Countries-01



Solar Street Light

Solar Street light for community uses.

Solar Cold Storage

Solarization of Cold storage in rural area.

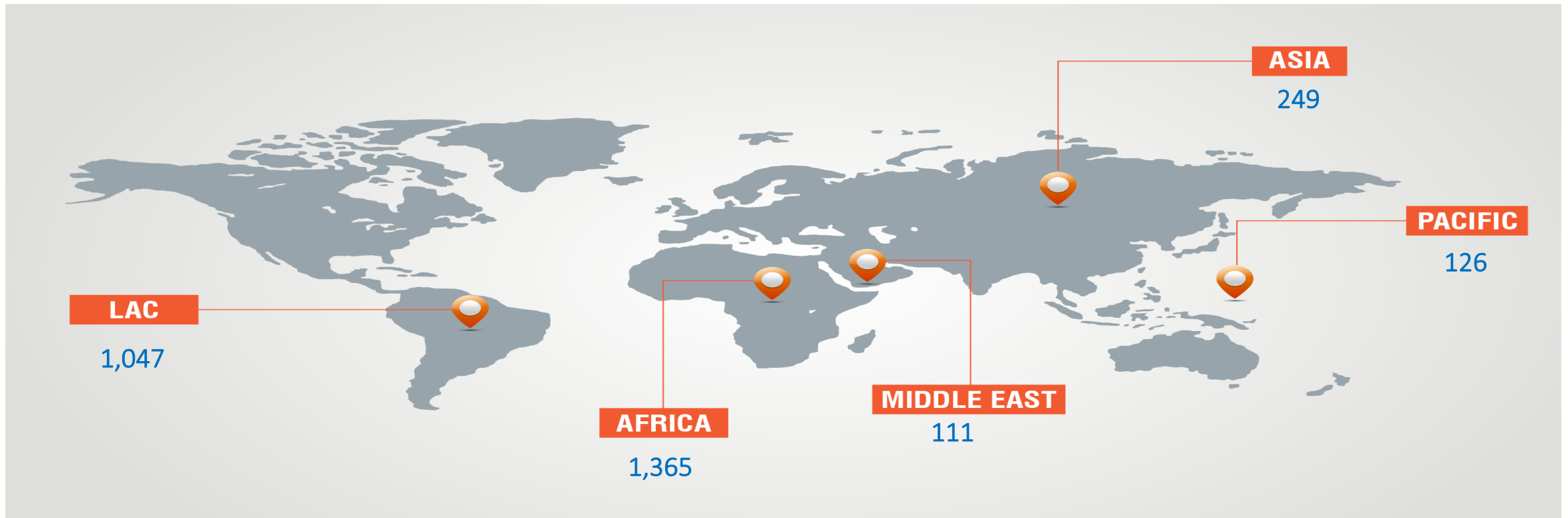


04 Projects

Nos. of Countries- 04

1. Under demonstration projects, ISA is providing programmatic support to **27 Member Countries**.
2. *In Asia-Pacific Region, ISA is providing support to 5 Member countries for implementation of solar technology in Health, Education, Agriculture and Drinking Water)*
3. Out of 27 Nos. , 7 Projects have been commissioned (*Comoros, Guyana, Togo, Jamaica, Kiribati, Niger and Mali*)

Capacity Building Support by ISA



Training of Master Trainers
215



Technical - Solar Rooftop
309



Technical - Solar Mini-grids
396



Technical – Solar Water Pumping System
466



Bankers Training
1226

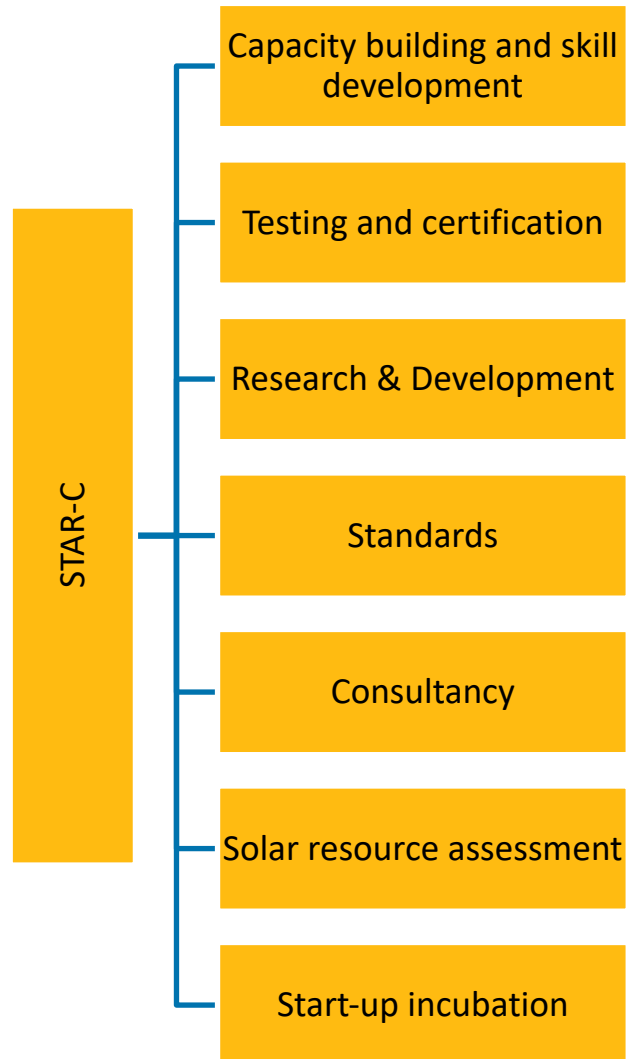


Technical - Solar Parks
461

Total People Trained
(May 2023)

3073

Capacity Building: Solar Technology Applications Resource Centres (STAR-C)



- Establishing technical facilities undertaking testing/standardisation, demonstrate and upscale replicable solar energy applications.
- Undertaking training and skills development for a better-qualified workforce
- Creating a global network for exchange of knowledge and expertise

A person wearing a light blue and white striped shirt is seated at a dark wooden desk. They are holding a black fountain pen and writing in an open, lined notebook. To the left of the notebook is a clipboard with a document. In the foreground, a black gavel with a gold band rests on a dark wooden base. Another pen lies on the desk to the right of the notebook. The scene is lit with soft, natural light, creating a professional and focused atmosphere.

3

Global Partnerships & ISA –ADB Initiatives

Driving Multiplier Effect through Collaboration & partnership

 Readiness and Enabling Activities	 Risk Mitigation & Innovative Financing Instruments	 Investment Mobilization	 Promotion of Technologies
 <p>EIB Enhancing energy access through Solar Home Systems</p>	 <p>World Bank Sustainable Renewables Risk Mitigation Initiative for mobilizing USD 850 million in 20 countries</p>	 <p>GGGI Joint fund raising for deployment of 1 Million Solar Irrigation Systems</p>	 <p>WB Lighthouse Transfer of best practices and innovative business models</p>
 <p>AfDB and GCF Technical Assistance for Decentralized Solar Applications</p>	 <p>BP-WRI Developing roadmap for mobilizing USD 1 trillion in solar sector</p>	 <p>IBSA and UNDP Solar Water Pumps in 10 countries with IBSA fund</p>	 <p>UNEP Solar Waste Recycling Study</p>
 <p>UNIDO Creating a network of Solar Technology and Application Resource Centres</p>	 <p>CIFF Investment Series to engage Institutional Investors</p>	 <p>UNAIDS Joint Fund Raising for Solarizing Health Centres</p>	 <p>SDF and ADB Programmatic Support for solar applications</p>
 <p>Rockefeller Technical Assistance for developing DRE markets</p>	 <p>IRENA Collaboration on finance, technologies and R&D</p>	 <p>CIF and BNEF Global Solar Investment Report</p>	 <p>European Union Development of knowledge products</p>
 <p>WAPP Scaling Up Utility-Scale Solar Projects</p>			 <p>Olade Facilitate development and implementation of policies and regulations</p>

ISA-ADB Partnership for scaling solar adoption in South Asia Region

ISA-ADB Partnership Framework

- ▶ **Objective:** Deploying solar system at scale (Since March - 2018)
- ▶ **Six South Asian Countries :** Bangladesh, Bhutan, Nepal, India , Maldives and Sri Lanka

Focus Areas



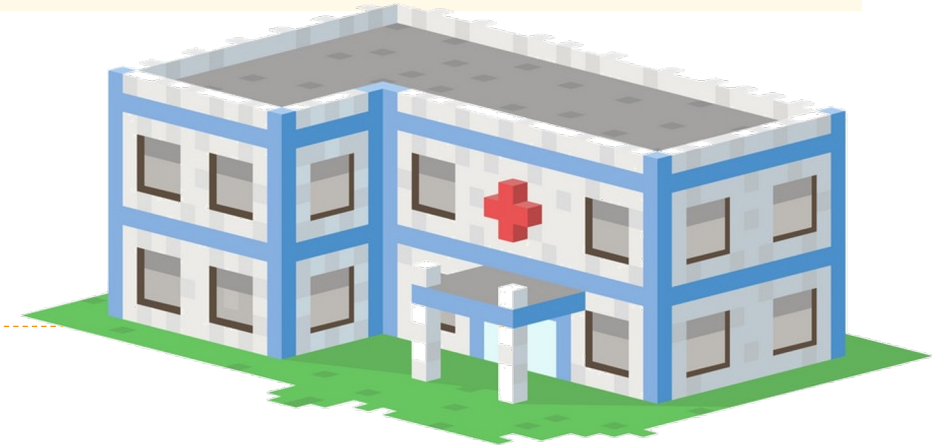
Identification and development of solar project pipelines – Solarisation of healthcare sector, Deploying Solar Pumps at Scale, Floating Solar



Identification of innovative financing instruments for scaling solar investment – Developing blueprint for financial interventions and risk mitigation



Capacity building and Knowledge support- Communication and Outreach (Promotional Materials, videos, brochures), Country Assistance for technical support, **Centre of Excellence for Green Hydrogen**



Thank You

