

Smart Grid Observatory India

Since 2020, the activities of the 'EU-India High-Level Expert Panel on Smart Grids' led to the publication of the 'Smart Grid Replication Handbook for India' and as a next step, it was collectively envisaged to launch the '**Smart Grid Observatory- India**'.

Official Partners

European Commission - EU Delegation to India

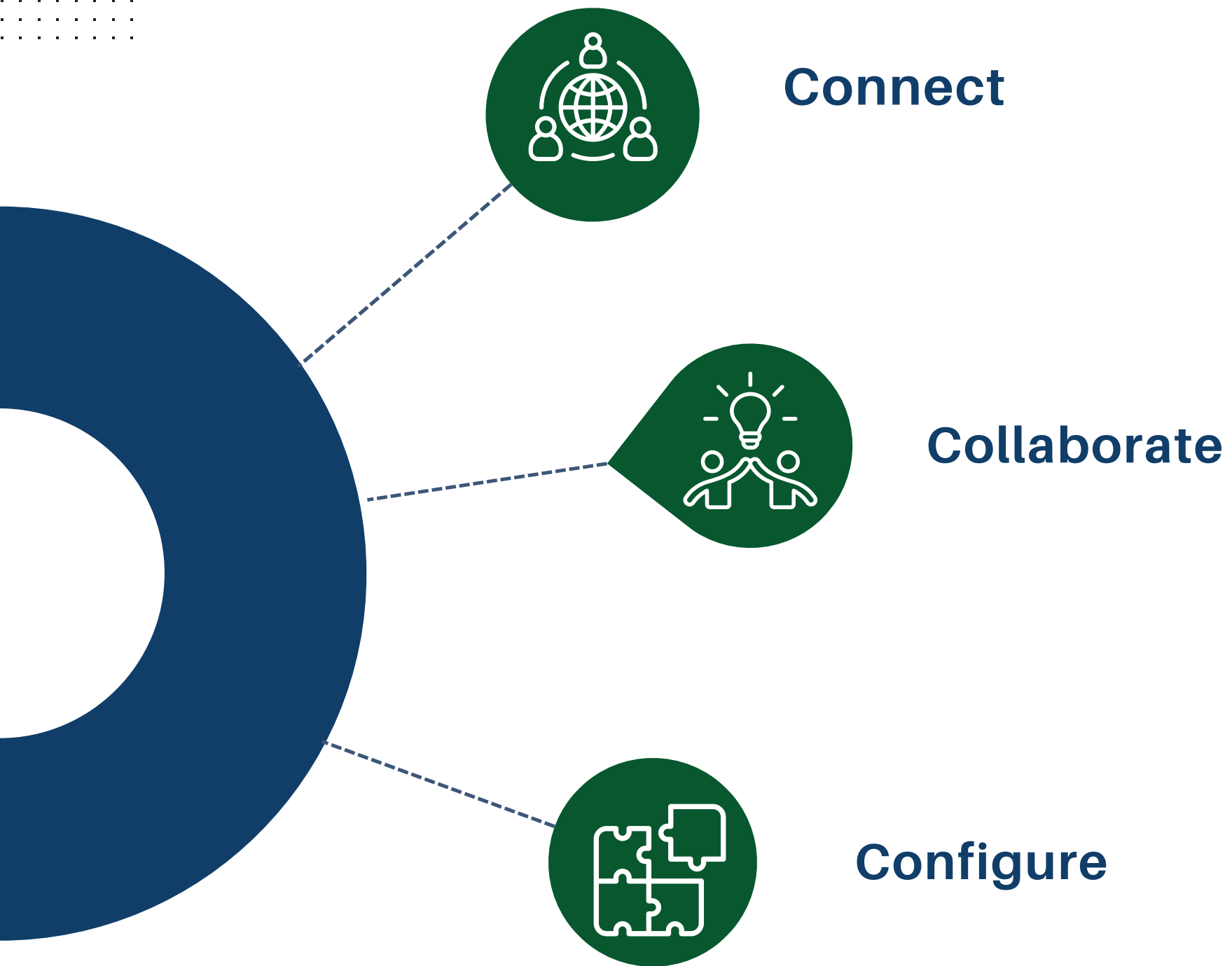
Ministry of Power, National Smart Grid Mission, India

Expert Group

EU-India High-Level Expert Panel on Smart Grids

Chair and Secretariat

FSR Global



Smart Grid Observatory - India

An open digital platform that brings together all stakeholders of the smart grid ecosystem to transform the power grid through digital stacks, state of the art technology, knowledge transfer and demonstrative sandboxes

Focus of the Smart Grid Observatory (SGO) - India

Knowledge Exchange

- Smart Grid **Taxonomy**
- Smart Grid **Policy Mapping** across India (center and states)
- Repository of smart grid **Use Cases** (global database applicable to India)
- Smart Grid **Toolkit**: Cost Benefit Analysis (CBA), Scalability and Replicability Analysis (SRA)
- Smart Grid **Readiness Index** (distance from frontier)

Technology Exchange

- Repository of Smart Grid **Projects**
- Smart Grid **Digital Stack**
- **Sandbox** to demonstrate proof of concepts for utilities of the future

Smart Grid Community

- **Database** of Smart Grid Stakeholders
- **Policy Dialogues** (high level experts and stakeholder specific)
- Annual SGO **Forum**

Until now ✓

○ Policy and project mapping of Indian states and union territories

✓ February 2024

○ Onboarding of high-level expert panel from India and EU

March - July 2024

○ Deliberations with the high-level expert panel from India and EU

March - July 2024

○ Onboarding of SGO partners - knowledge and services curation and exchange

September 2024

○ Unveiling of the digital SGO platform

OUR ACTIVITY TIMELINE FOR 2024

OUR VISION BEYOND 2024

Beyond the existing activities



SGO Annual Report

Synthesizing key findings and recommendations from the world of policy and practice with international and national experts

Smart Grid Digital Stack

Showcasing reference architecture and protocols for smart grid deployment and providing a glidepath for utilities based on readiness index

Smart Grid Technical Visit

Facilitating site visits to smart grid infrastructure, both to and from India

Smart Grid Demonstrative projects- policy to practice

Regulatory sandboxes to enable innovation and digital immersion for India specific use cases at the distribution networks

Smart Grid Technology Transfer

Bringing state of art services and technologies for implementation

JOIN THE SGO COMMUNITY



Academia & ThinkTanks

Share your findings, insights and research on smart grids to enable quicker uptake of solutions



Utilities

Come on board as a proactive smart utility partner by either sharing existing project information or in helping shape future projects



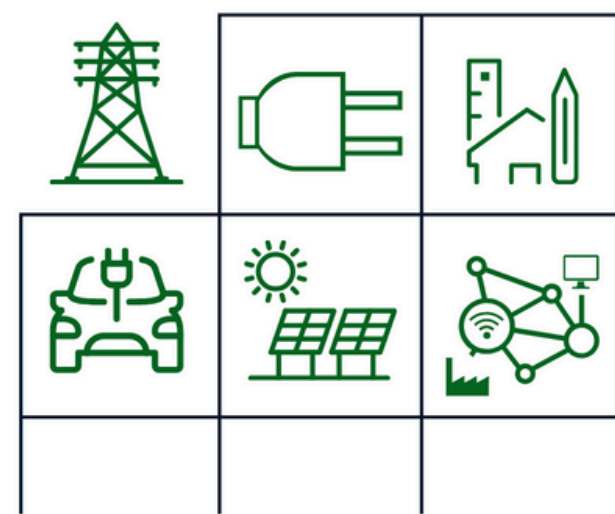
Government & Development Orgs

Engage with the SGO to help build and disseminate a common knowledge base through multi-level collaboration



Industry & Technology

Share your products, services and tools that facilitate smart grid integration



Smart Grid Observatory India

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