



GET.transform Workstream Long-Term Energy Planning

October 2025

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Ministry of Foreign Affairs of the
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GET.transform Workstreams & Services



LONG TERM
ENERGY PLANNING



RENEWABLE ENERGY
GRID INTEGRATION



ON-GRID REGULATION &
MARKET DEVELOPMENT



OFF-GRID REGULATION &
MARKET DEVELOPMENT

Overarching
Activities

Capacity Building

Technical Assistance

Services

Governance and Consultation

Grid Codes

Power Sector Strategy

Integrated Electrification
Planning

Scenarios and Modelling

Transmission System
Planning and Operation

Governance

Mini-Grid Framework

Adoption and Communication

Distribution System
Planning and Operation

Market Mechanisms

Public Mini-Grid Incentives

Long Term Energy Planning: Services



GOVERNANCE & CONSULTATION

- Reviewing and gap analysis of existing long-term planning processes in country
- Strengthening governance structure
- Capacity building for policy makers
- Supporting participatory processes
- Aligning national, regional and continental plans



SCENARIOS & MODELLING

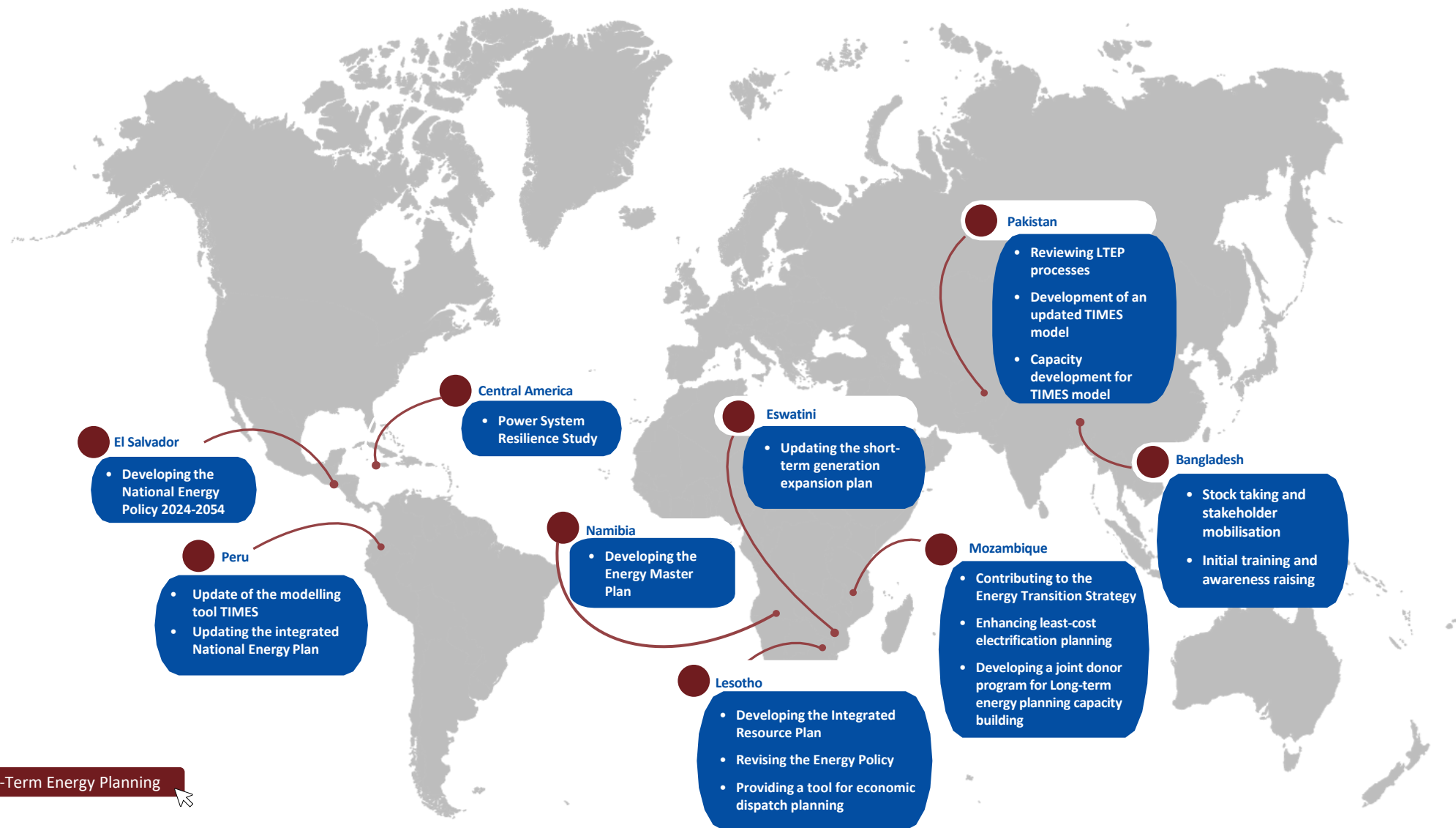
- Data collection, management, recording, and processing
- Setting up integrated resource plans
- Building model development and operation skills
- Developing scenarios and storylines
- Utilize diverse tools and programs to perform simulations and calculations
- Ensuring institutional ownership



ADOPTION & COMMUNICATION

- Developing tools for effective communication of complex modelling results
- Translating of model results into political actions and objectives
- Enabling linkage to financing

Long Term Energy Planning: Projects



Long-Term Energy Planning



GET.transform Workstream Renewable Energy Grid Integration

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Renewable Energy Grid Integration: Services



GRID CODES

- Review of existing grid codes
- Development, modification of grid codes
- Grid code compliance and validation
- Training workshops



TRANSMISSION SYSTEM PLANNING AND OPERATION

- Transmission system planning
- Grid and generation adequacy studies
- Creating operational planning manuals and toolboxes (SCADA etc.)
- Developing and improving VRE forecasting systems
- Reliability, stability & restoration studies
- Transmission-generation & TSO-DSO coordination



DISTRIBUTION SYSTEM PLANNING AND OPERATION

- Grid connection & adequacy studies
- Hosting capacity studies
- VRE data management platforms
- Monitoring, automation & control
- Flexibility analyses & local solutions

Renewable Energy Grid Integration: Projects





GET.transform Workstream On-Grid Regulation & Market Development

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On-Grid Regulation & Market Development: Services



RENEWABLE ENERGY COMPETITIVE PROCUREMENT

- Developing renewable energy auctions design
- Capacity building on power procurement processes
- Supporting IPP Procurement & PPA negotiations
- Project feasibility studies
- Developing regulatory frameworks



RENEWABLE ENERGY DISTRIBUTED GENERATION (DG)

- Policy and regulation support
- Introduce (feed-in) tariff design and policies
- GIS Mapping
- Smart metering infrastructure
- Connection criteria
- Digitalisation of DG

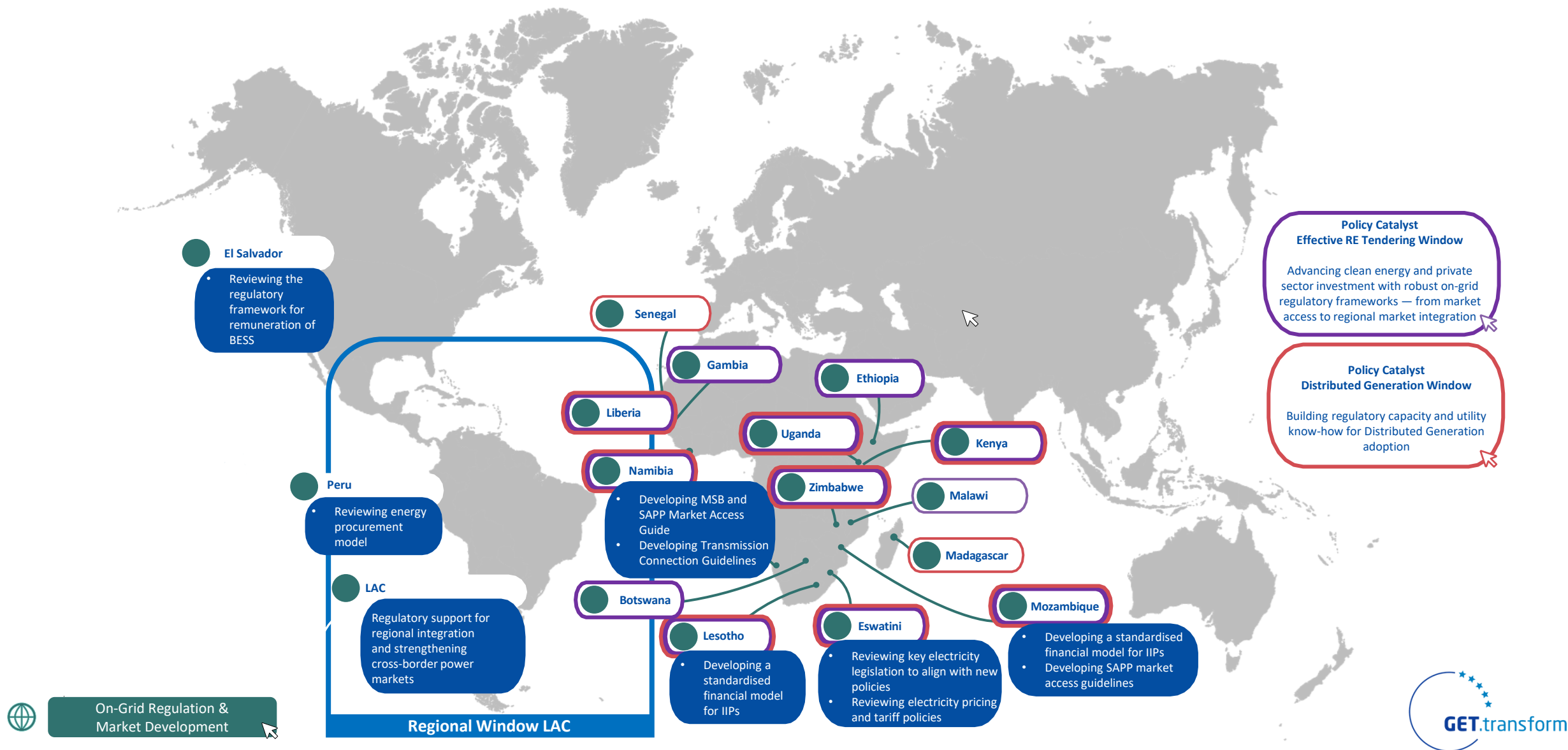


POWER MARKET DESIGN

- Advising on power market reforms and implementation pathways
- Market access guidelines for IPPs
- Designing mechanisms for RE support
- Reviewing tariff methodologies on cost-reflectiveness, affordability, and investor confidence
- Designing power market products and trading frameworks
- Supporting cross-border trading strategies and market integration



On-Grid Regulation & Market Development: Projects





GET.transform Workstream Off-Grid Regulation & Market Development

October 2025

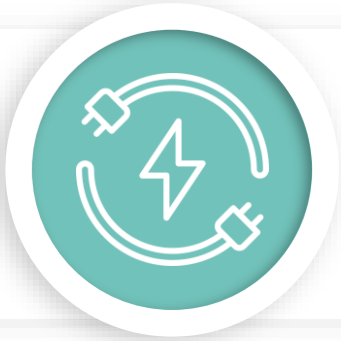
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Off-Grid Regulation & Market Development: Services



ALIGNMENT WITH OFF-GRID ELECTRIFICATION STRATEGY

- Supporting alignment and decision on electrification strategy
- Electrification mapping using real ground data
- Mainstreaming productive use and gender inclusion



REGULATORY FRAMEWORK FOR OFF-GRID

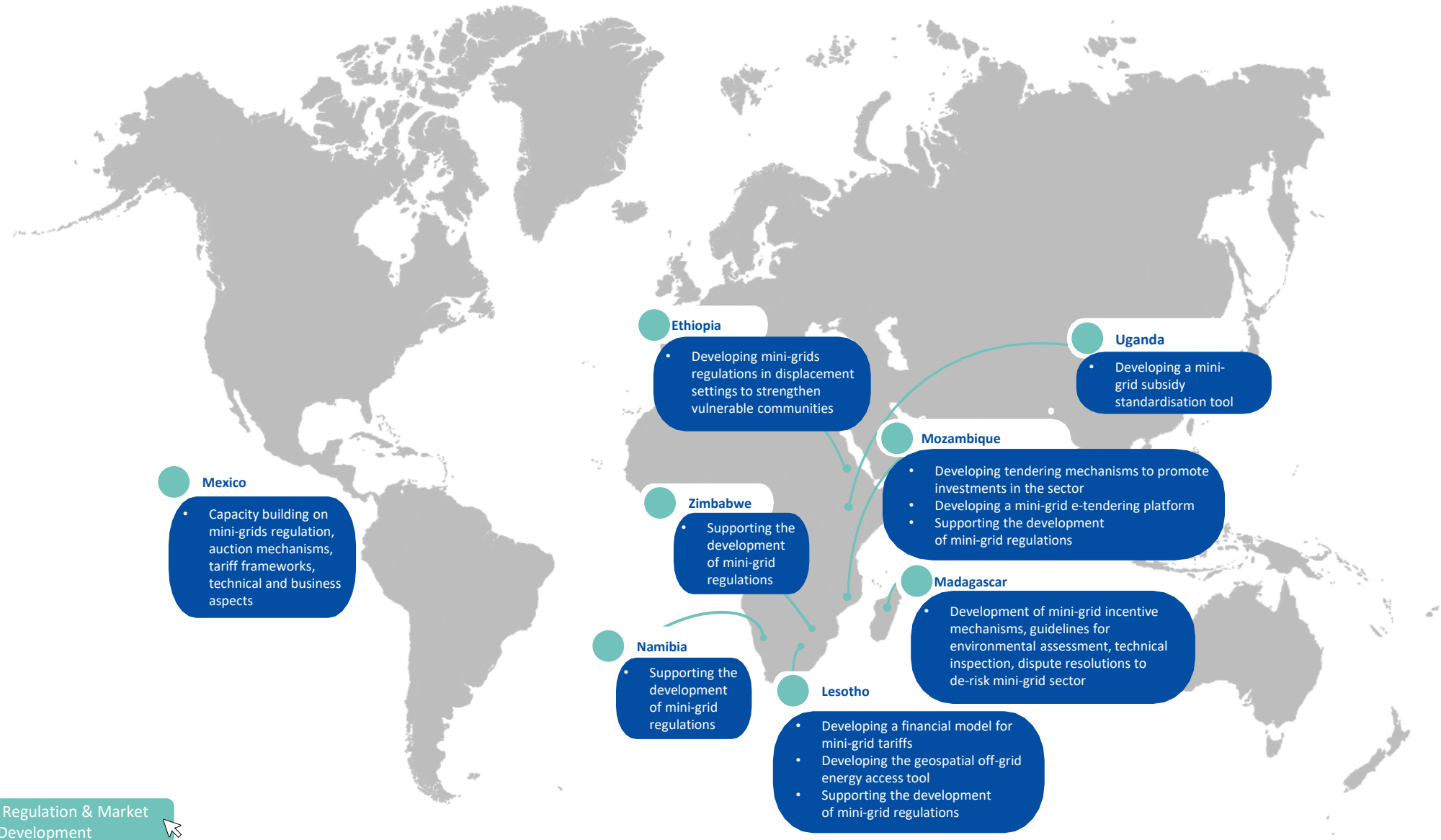
- Development of regulatory frameworks
- Mini-grid regulations and tariff models and toolboxes
- Technical guidelines for off-grid systems including mini-grids and standalones
- Capacity building and trainings



INCENTIVES MECHANISMS FOR OFF-GRID

- Development and implementation of procurement and auction frameworks for different off-grid service levels
- Operational Guidelines
- Contractual frameworks
- Technical standards
- Tendering platform
- Capacity building and trainings

Off-Grid Regulation & Market Development: Projects





Thank You for Your Attention

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