

ALESSIA DE VITA

Advisor Long Term Energy Planning and RE Integration



Session 2: Effective Communication of Long-Term Energy Scenarios

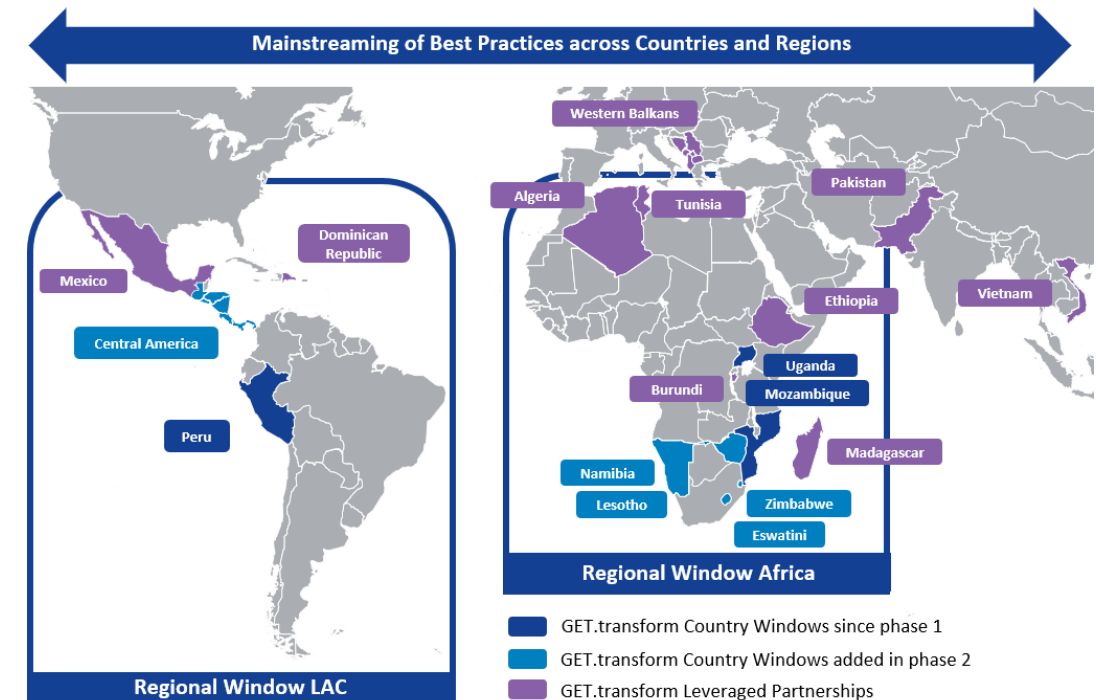
September 9 – 11, 2024

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What is GET.transform?

- Technical assistance and capacity building for the **public sector** to establish **conductive policy and investment frameworks**
- Hub of expertise with **> 50 renowned (inter)national energy experts**
- Implementation through **regional and country windows** with expert staff on the ground incl. secondments
- **Scaling across countries** through collaboration with regional institutions and other TA initiatives
- Pilot project for GIZ Integrated Solutions and **Systematic Product Portfolio Management (SPM)**



Driving Energy Transition: Four Key Workstreams

GET.transform Advisory Services



Long-term Energy Planning



Developing least-cost, low carbon **capacity expansion and investment plans**, outlining development paths for power generation projects

Renewable Energy Grid Integration



Updating of **technical power system planning and operational procedures** that enable the operation of renewable energy dominated power systems

On-Grid Regulation and Market Development



Supporting **institutional reforms** that allow for new market actors and renewable energy participation: market model design, non-discriminatory grid access, cost-reflective services
Design and management of **solicited auctions** as well as **market-driven mechanisms** for procuring on-grid energy

Off-Grid Regulation and Market Development



Developing **electrification pathways** building on socio-economic development and productive-use policies

Design and management of **award mechanisms** for procuring off-grid energy

Eco-System for the Energy Transition

Long Term Energy Planning and Energy Transition



Supporting governments worldwide to:

- Develop **capacity** for Long Term Energy Planning
- Establish **governance processes** for Long Term Energy Planning
- Construct **models** in cooperation with partners
- Scenario/Storyline building and studies, incl. connection to other sectors

Support government to implement Long Term Plans:

- Develop required **regulation and legislation**
- Provide **investment planning** support

Thank You for Your Attention!



NAME OF SPEAKER

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Managing expectations

Misconceptions on long-term modelling



Long Term Modelling is not a substitute for a “crystal ball”: it does not predict the future

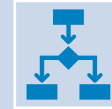


Forecasting is for short-term (operations, day-ahead, year ahead, max. 5-year time horizon)



Not all aspects can be covered in a single model, at the same levels of detail

Why is long-term modelling important



Analysis of multiple possible “futures”, i.e. scenarios: “What-if analysis”



Simultaneous computation of indicators to understand the effect of scenarios on the energy and economic system as a whole



Provides credibility of long-term vision: increased certainty to investors and sector actors

Communicating long term strategies to policy makers

What policy makers are NOT interested in

✗	Underlying maths /programming
✓	Validated tools and methodologies
✗	Technical details

Know your audience!!!

- Different stakeholders are interested in different aspects
- Modelling provides a plethora of results adaptable to different audiences

What DOES interest policy makers

✓	Energy security and affordability
✓	Money: cost estimates <ul style="list-style-type: none">• What do different scenarios entail for different actors/ stakeholders?• Who needs to undertake investments?
✓	Socio-economic indicators <ul style="list-style-type: none">• Prices• Employment and skills requirements
✓	Environmental indicators & health <ul style="list-style-type: none">• Pollutant emissions• Water availability
✓	Regulatory frameworks evolution