

Global Network on Long-Term Energy Scenarios

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Scenarios, IRENA.

Global LTES Network

- Energy planners from governments.
- ‘Champions’ on the use of LTES.
- Peer-to-peer learning.
- Setting agenda on LTES.

01

Strengthening
scenario
development

02

Improving
scenario
use

03

Identifying
capacity-building
approaches

Membership: 30 Countries and 13 Technical Partners



Austria



Bosnia & H.



Brazil



Canada



Chile



Colombia



Costa Rica



Cyprus



Denmark



Dominican R



Egypt



El Salvador



Finland



Germany



Ghana



Italy



Japan



Kenya



Korea



Lithuania



Latvia



Mexico



Netherlands



Peru



Philippines



Portugal



Saudi Arabia



UAE



UK

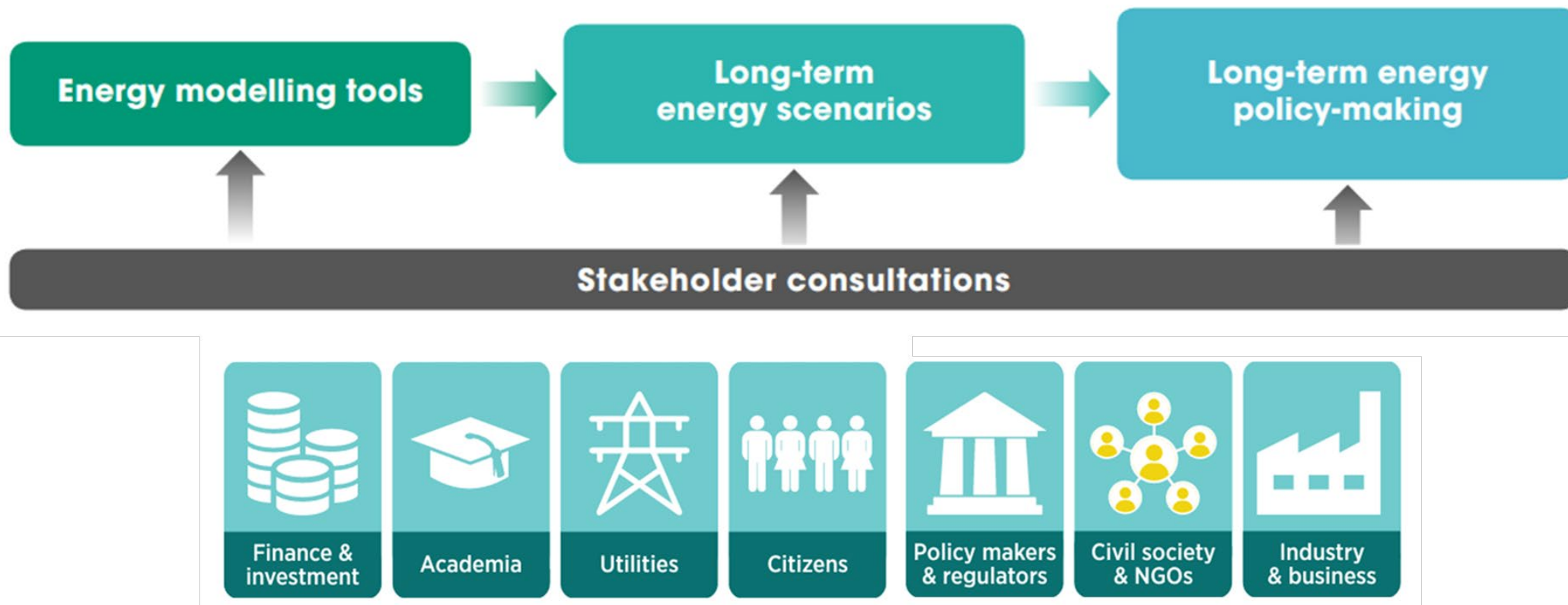


USA



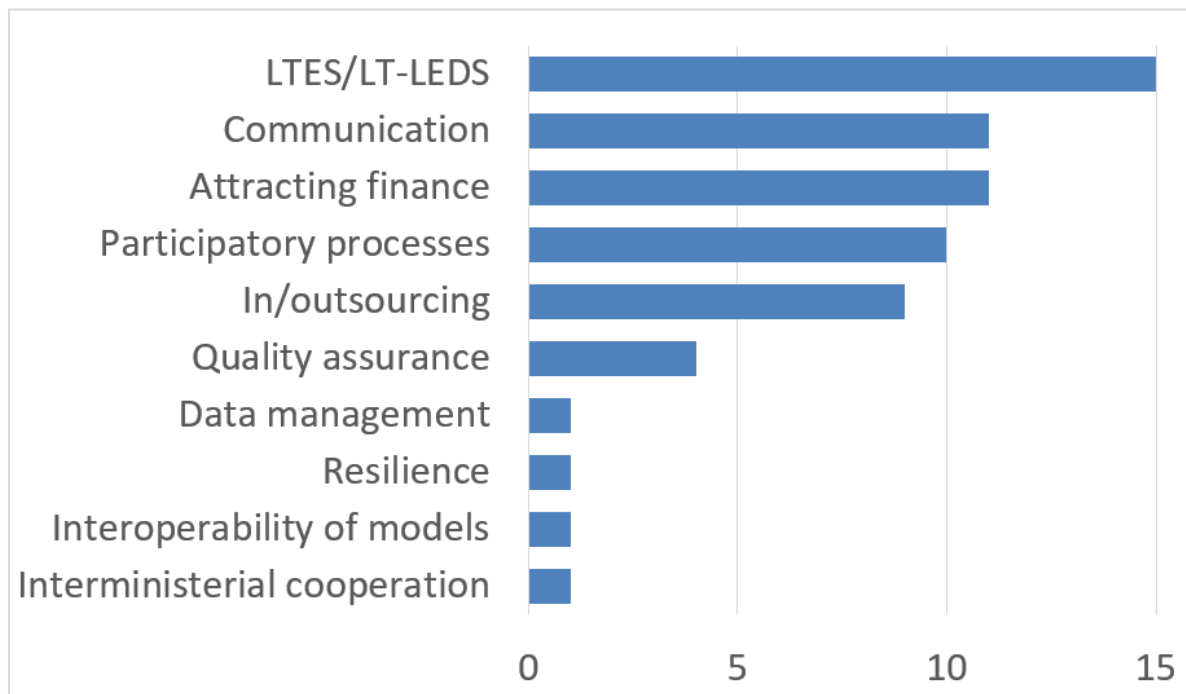
Energy planning for policymaking

How are scenarios developed and used in the energy planning process **for government decision-making?**

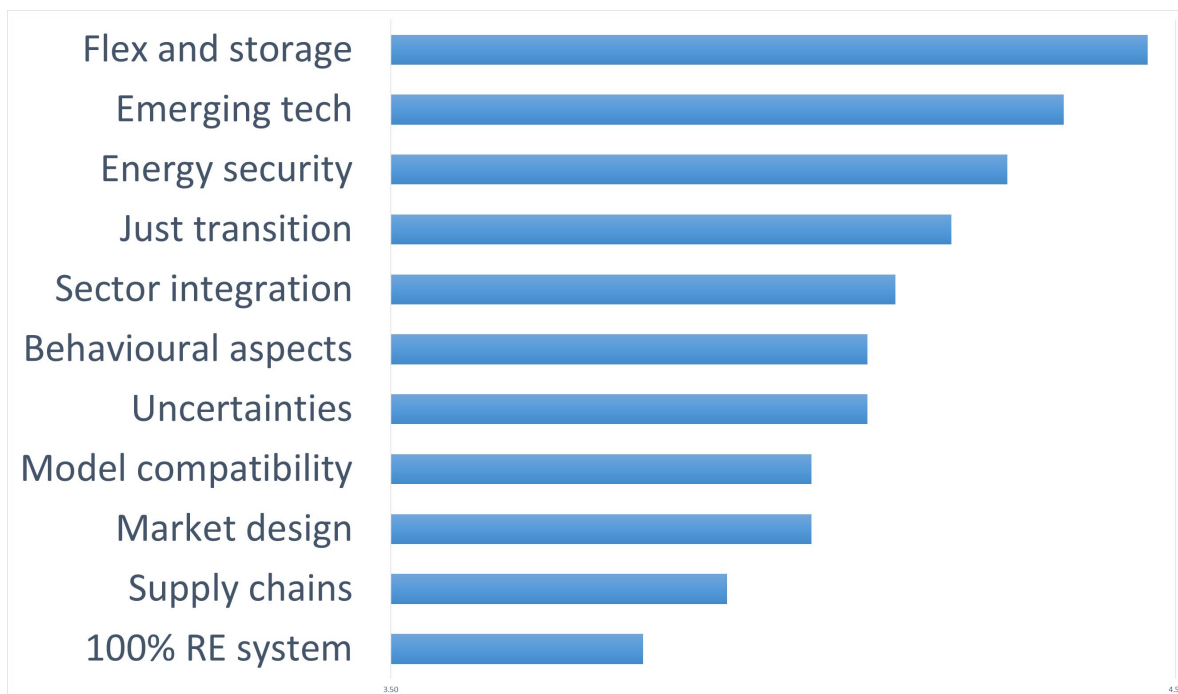


Priorities of the government practitioners

Institutional and Governance aspects



Scenario Content aspects



LTES Network – Activities and knowledge products

Synthesis of country examples



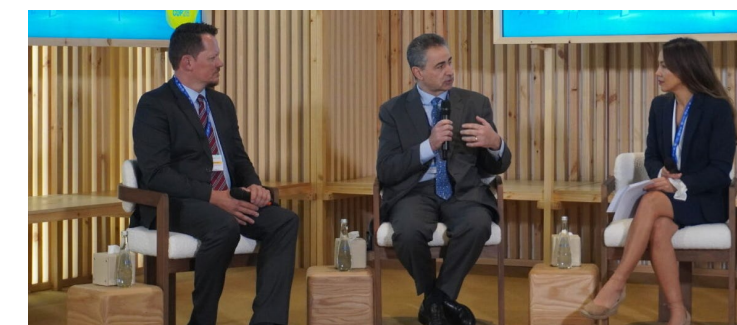
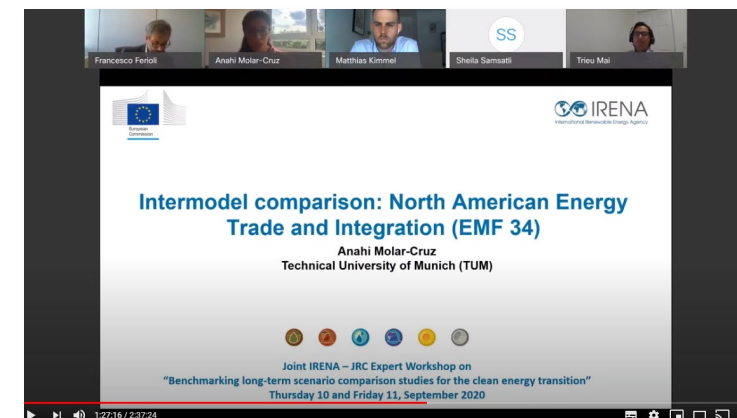
Facilitation of dialogues: High-level, regional level, technical level, and thematic.



LTES International Forum, Germany, April 2019




Regional webinar series on LTES: LAC (2021); Africa (2021/22); Asia (2023)



LTES session at COP28, December 2023

LTES Network – Activities and knowledge products

National Energy Planning Dashboard

 Reset Filters

Data Overview

73
Countries

111
Documents

04 / 2024
Latest Dashboard Update

Filters

Region
All


Country
All

Document Type
All

National Energy Planning Dashboard
Global Overview of Energy Planning Documents

Welcome to the IRENA National Energy Planning Dashboard! This platform serves as a global repository for official energy planning documents and modeling tools developed and/or used by governmental institutions. It provides information for government planners, enabling them to benchmark their practices against those of their peers and learn about the activities of their counterparts.

Country	Planning Document	Publication Year	Publishing Institution	Planning horizon	Update frequency (Years)	Planning Document Sectoral Scope
Andorra	Long-Term Strategy on Energy and Climate Change	2021	Oficina de l'Energia i del Canvi Climàtic/Agency of Energy and Climate Change, Ministry of the Environment, Agriculture and Sustainability	2020-2050	6	Energy, Electricity & Additional sectors
Argentina	Energy Scenarios Argentina 2040: Commonalities and divergences about the future of energy in Argentina	2018	Ministry of Finance	2030-2040	need basis	Energy & Electricity
Argentina	Escenarios Energéticos 2030	2019	Ministro de Hacienda	2018-2030		Energy & Electricity
Australia	2022 Integrated System Plan	2022	Australian Energy Market Operator (AEMO)	2022-2050	2	Energy & Electricity
Australia	Australia's Long Term Emissions Reduction Plan	2021	Department of Industry, Science, Energy and Resources	2020-2050	5	Energy, Electricity & Additional sectors
Austria	Long-term strategy 2050 - Austria	2019	Federal Ministry for Climate Protection	2020-2050	5	Energy & Additional sectors
Belgium	Scenarios for a climate neutral Belgium by 2050	2021	Federal Public Service Health, Food Chain Safety and the Environment	2020-2050		Energy
Benin	Plan directeur de développement du sous-secteur d l'électricité horizon 2045	2022	Ministère de l'Energie	2020-2045		Electricity & Additional sectors
Bolivia	Plan Eléctrico del Estado Plurinacional de Bolivia 2025	2014	Ministerio de Hidrocarburos y Energia	2013-2025		Electricity
Bosnia and Herzegovina	Integrated Energy and Climate Plan of Bosnia and Herzegovina up to	2022	To be adopted by the Council of Ministers of Bosnia and Herzegovina by	2022-2030	10	Energy & Electricity

 Reset Filters

Data Overview

73
Countries

111
Documents

138
Modelling Tools Selected

Filters

Modelling Tools Select
All

Region
All

Country
All

Document Type
All

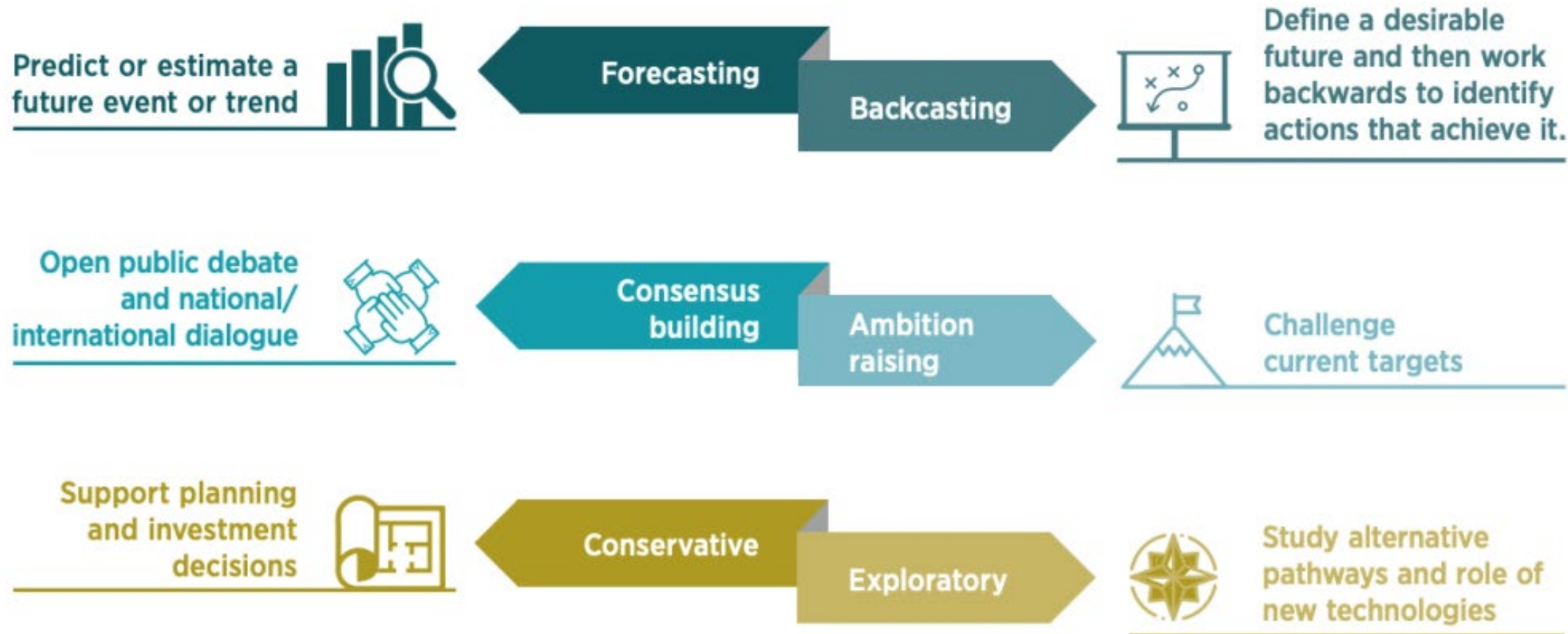
National Energy Planning Dashboard
Global Overview of Energy Planning Modelling Tools

Welcome to the IRENA National Energy Planning Dashboard! This platform serves as a global repository for official energy planning documents and modeling tools developed and/or used by governmental institutions. It provides information for government planners, enabling them to benchmark their practices against those of their peers and learn about the activities of their counterparts.

NB: In the column "Validated by Country" a green tick is included for documents and data reviewed by government officials contacted by IRENA. Please note that this dashboard only contains official government documents

Country	Planning Document	Validated by Country	Modelling tools Modelling tools key	Modelling Scope		
				Energy system	Demand assessment	Power Capacity Expansion
Andorra	Long-Term Strategy on Energy and Climate Change					
Argentina	Energy Scenarios Argentina 2040: Commonalities and divergences about the future of energy in Argentina		LEAP, In-house models			
Argentina	Escenarios Energéticos 2030		MESSAGE, TIMES			
Australia	2022 Integrated System Plan		In-house models (Capacity outlook model; Time-sequential model; Engineering Assessment & Gas supply model)			
Australia	Australia's Long Term Emissions Reduction Plan		In-house models (DISER economic modelling)			
Austria	Long-term strategy 2050 - Austria	✓	NEMO model, TIMES-based model, Climate pathways calculator for Austria			
Belgium	Scenarios for a climate neutral Belgium by 2050	✓	2050 pathways explorer			
Benin	Plan directeur de développement du sous-secteur d l'électricité horizon 2045		GEOSIM, GAP, DAP			
Benin	Plan Directeur de Développement du Sous-secteur de l'Energie Electrique au Benin		WASP, NAP, GEOSIM			
Bolivia	Plan Eléctrico del Estado Plurinacional de Bolivia 2025		OptGen, SDDP			
Bosnia and Herzegovina	Integrated Energy and Climate Plan of Bosnia and Herzegovina up to		LEAP			

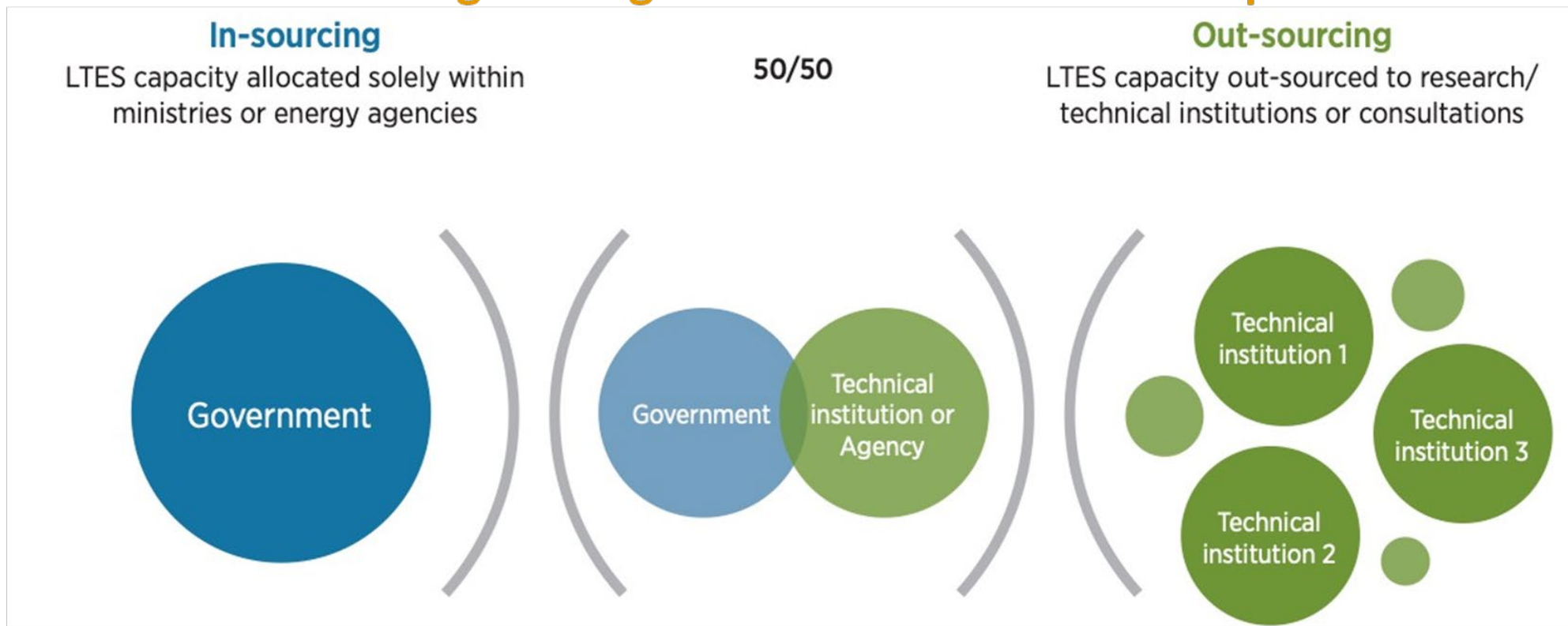
Countries' Experiences



Different institutions use scenarios differently.

Countries' Experiences

Strengthening the institutional ownership



Join the LTES database of experts:



Thank you!

Contact us at:
LTES@irena.org