SCENARIOS
FOR THE ENERGY TRANSITION

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Global experience and best practices

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SPEAKERS

Asami Miketa
Energy Planning Support,
IRENA

Pablo Carvajal
Energy Planning Support,
IRENA

Nadeem Goussous
Energy Planning Support,
IRENA

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The **slides** and a **recording** at https://irena.org/events/2020/Jun/IRENA-Insights & in the handouts section

You are all currently **muted** and will remain so throughout the webinar

If you have **Questions** to the speaker please use the **Q&A**

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Use the **Chat** feature to introduce yourself and talk to other attendees

Tell us how we did in the **survey** to help us improve

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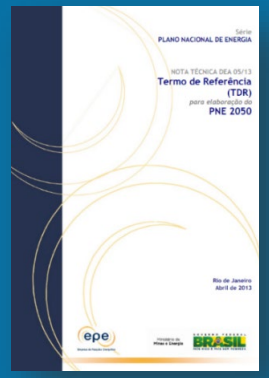
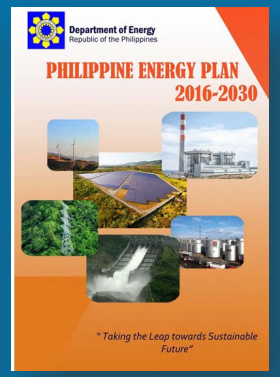
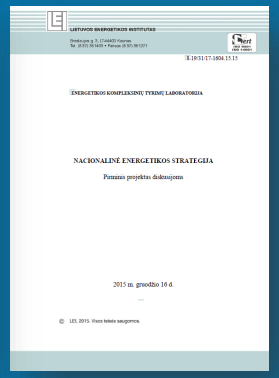


Brazil

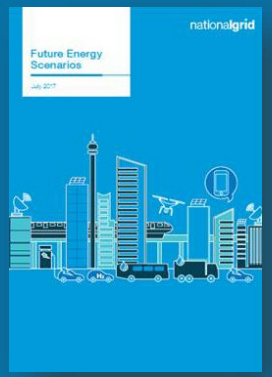
Kenya



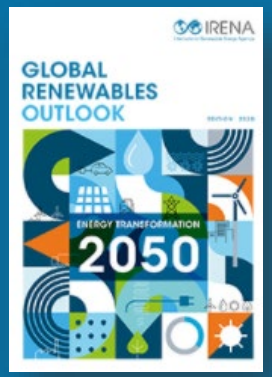
Philippines



Lithuania



National Grid (UK)



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IEA

Shell

WHY LONG-TERM ENERGY SCENARIOS?

Fundamental tool for policy making

- National policymaking
- Global policy debates

What is new with Clean Energy Transition?

- Global decarbonization agreements
- Massive technology innovation

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LONG TERM ENERGY SCENARIOS CAMPAIGN AND NETWORK

Promote the effective use and development of "long-term energy scenarios" (**LTES**) to guide national policymaking in pursuit of the clean energy transition

LTES NETWORK

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Government planning offices (or equivalent)

Technical institutions supporting government

LTES CAMPAIGN

LTES LONG-TERM SCENARIOS FOR THE ENERGY TRANSITION
A CAMPAIGN OF THE CLEAN ENERGY MINISTERIAL

13 CEM member countries

7 Technical partners

etsap
CNREC China National Renewable Energy Centre
国家电网有限公司 State Grid Corporation of China
European Commission
The European Commission's science and knowledge service
Joint Research Centre
JISEA Joint Institute for Strategic Energy Analysis
World Energy Council

LTES NETWORK ACTIVITIES

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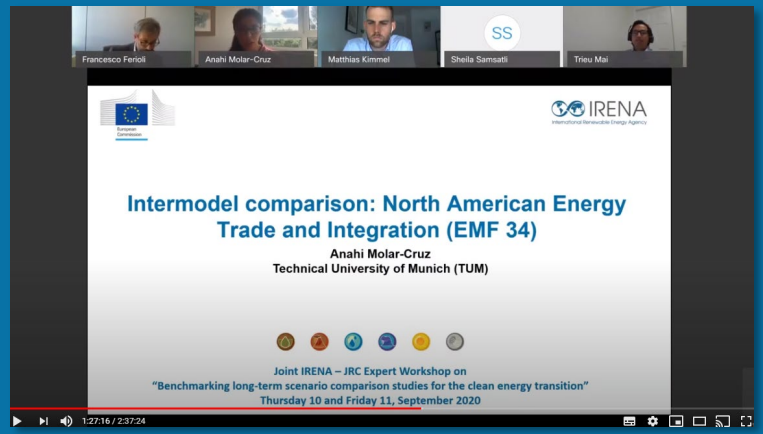
2 reports with **+50** country examples

+25 events

LTES International Forum, Germany, April 2019

The Relevance of LTES to Climate Policymaking and NDC Target-Setting in Latin America & the Caribbean, Brazil, August 2019

+20 webinars



IRENA-JRC Expert Workshop, September 2020

11th Clean Energy Ministerial, September 2020

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LTES NETWORK: NEXT STEPS

1 Interactive dashboards
on transition scenarios and planning practices

2 Events
Thematic and Regional

Events	Date
Net-zero emission scenarios for climate policy: how to move from political ambition to country-level pathways	**17 Dec 2020**
LTES Webinar Series for Latin America	**Jan 2021**
LTES Webinar Series for Sub-Saharan Africa	Apr 2021
LTES Webinar Series for ASEAN	Apr 2021
3rd International LTES Forum	Apr 2021

3 Reports

Forthcoming

JOIN THE LTES NETWORK!

To stay up to date with the latest in scenario development and use in national policymaking

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Requirements:

- Countries with established energy planning and scenario development practices.
- Participate and be active in LTES Network activities (events, presenting in the webinar series, or contributing to drafting and reviewing reports).

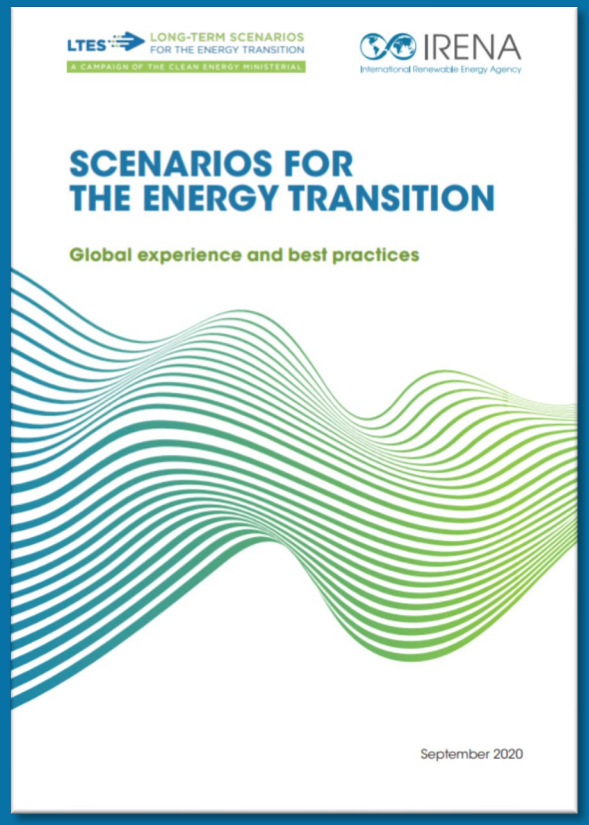
How to join:

- Provide a focal point of contact.
- Submit the Member Application Form and Survey.

LTES Network Information Sessions:

- LTES Network Information Sessions on the 11th and 14th of December to discuss the application process, benefits and future activities. Contact us at LTES@irena.org to learn more.

SCENARIOS FOR THE ENERGY TRANSITION



https://www.irena.org/publications/2020/Sep/Scenarios-for-the-Energy-Transition-Global-experience-and-best-practices

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01 Strengthening scenario development

- **Establishing a strong governance structure** for the scenario development process
- **Expanding the boundaries** of the scenarios being developed

02 Improving scenario use

- **Clearly conveying the purpose of the scenarios** you build and use
- **Being transparent** and exploring effective scenario communication methods

03 Identifying capacity-building approaches

- **Building the right type of scenario capacity** within governments

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01

STRENGTHENING SCENARIO DEVELOPMENT

Establishing a strong governance structure

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Participatory processes and co-ordination among LTES entities

Long-term Scenarios for the Clean Energy Transition in Latin America workshop, Brazil February 2019

Brazil

The three pillars of the participatory process for the National Energy Plan (PNE) 2050 in Brazil

1 - Participatory and inclusive with a multi-institutional approach

10 workshops **+250** participants of public and private sectors

2 - Guiding work with questions by policy makers

The PNE 2050 was designed to answer **12 guiding questions** prepared by the Brazilian Mnistry of Mines and Energy

3 - Scenarios used as tool to stimulate debate and build consensus

PNE 2050 innovates by proposing a **3-month period** for public consultation and a series of presentations to publicise the content of the plan during this period. This aims to enable stakeholder participation and facilitate consensus building.

Expanding the boundaries of scenarios

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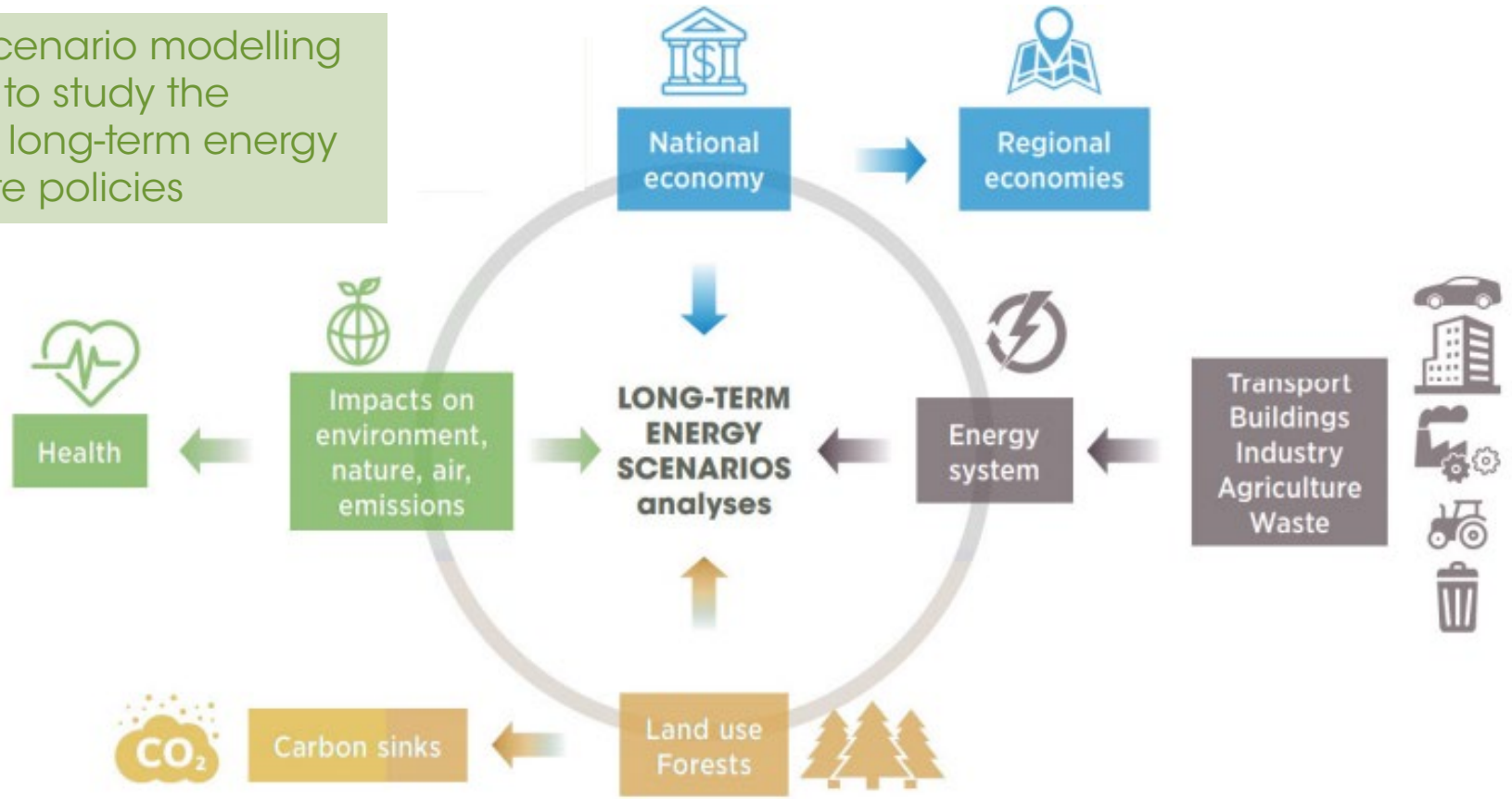
Scenarios for a just, clean energy transition

Finland

Finland's scenario modelling framework to study the impacts of long-term energy and climate policies



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02

IMPROVING SCENARIO USE

Clarifying the purpose of scenario-building

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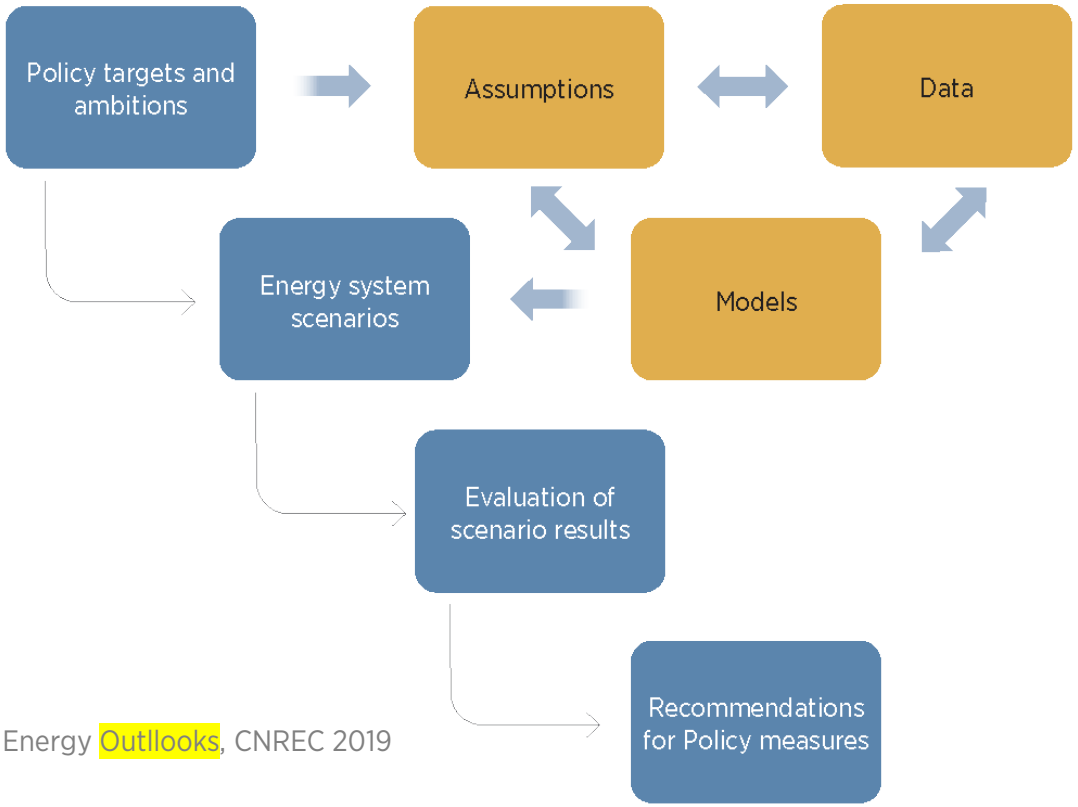
Use in the government

China

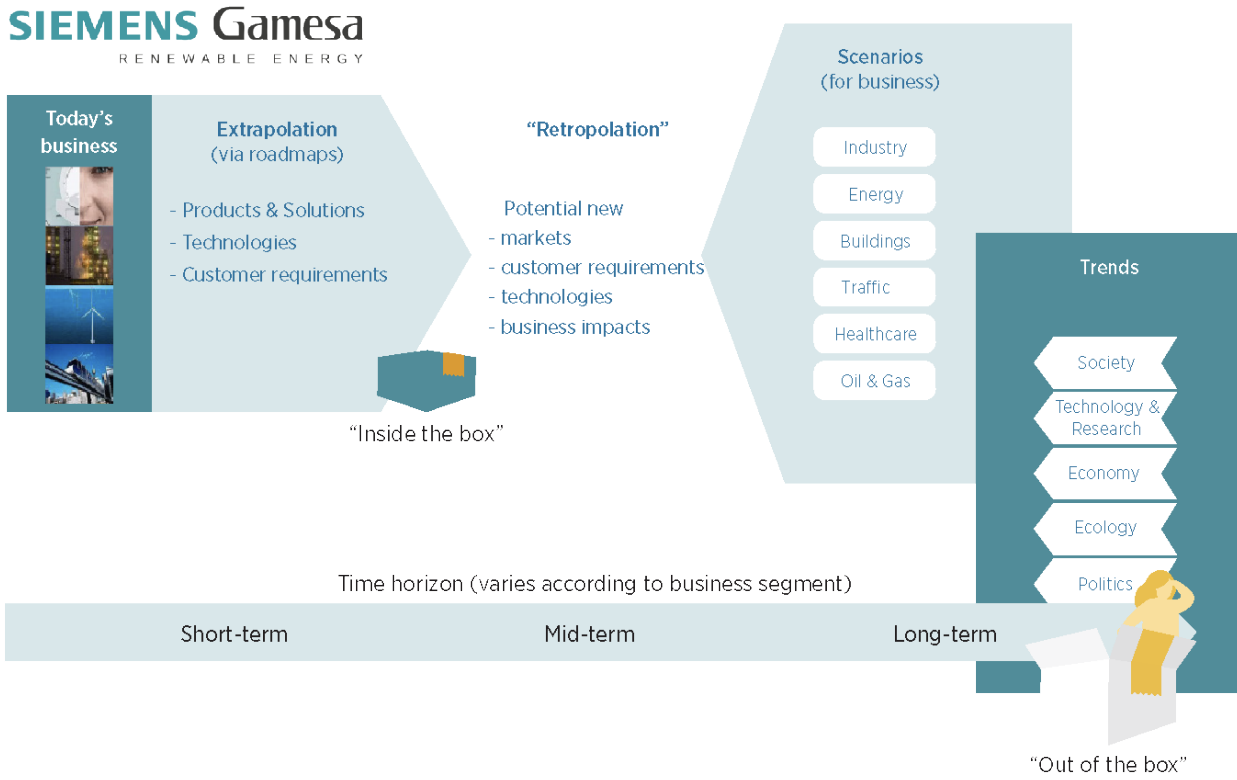
China's use of LTES resulting in recommendations and policy measures for the energy transition



Annual Energy Outllooks, CNREC 2019

Use in the private sector

Siemens Gamesa scenario analysis for a strategic vision of the future's impact on business



Transparent and effective communication

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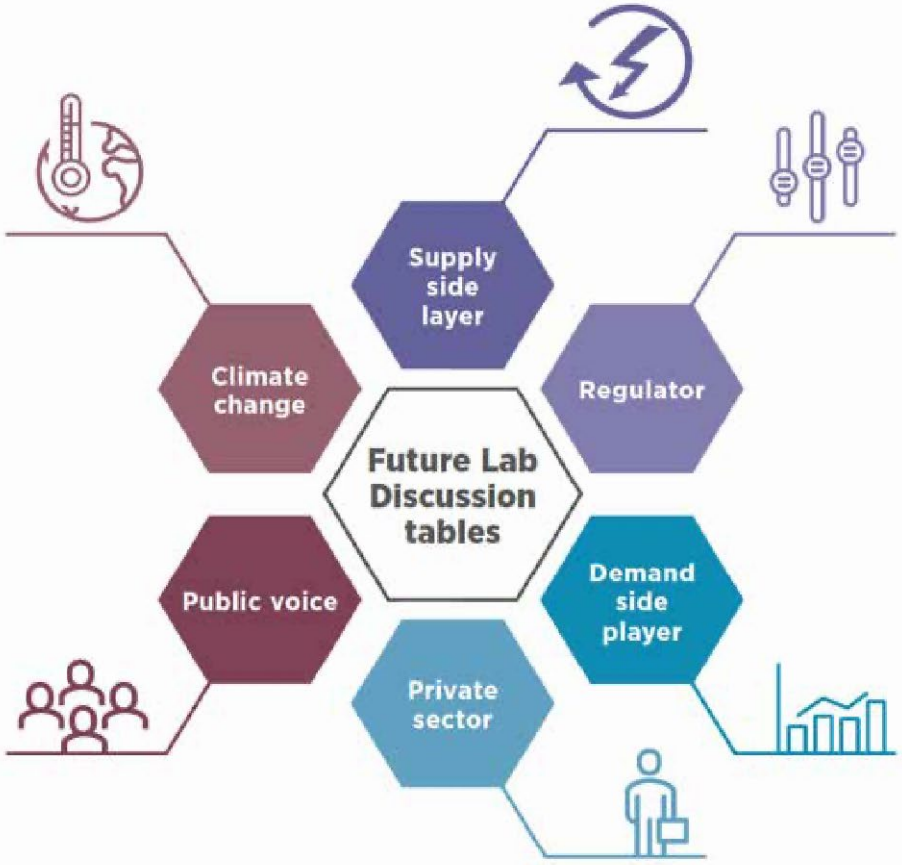
United Arab Emirates

A game to improve scenario transparency: The FutureLab communication exercise used by policy makers in the UAE

Game board

Game cards



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03

IDENTIFYING CAPACITY-BUILDING APPROACHES

Building the right type of capacity

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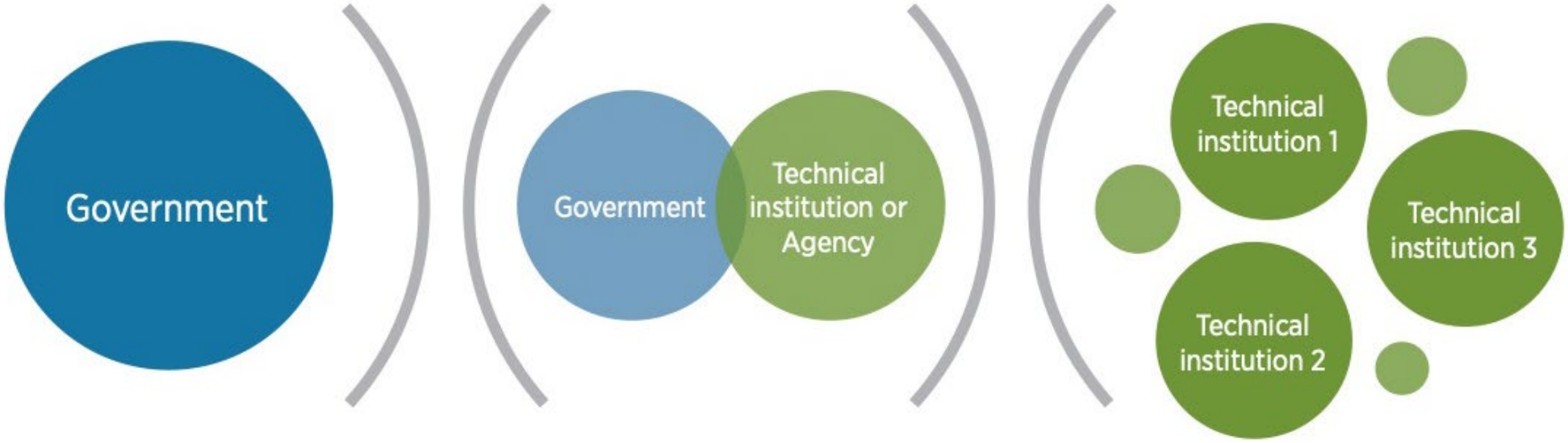
In-sourcing
LTES capacity allocated solely within ministries or energy agencies

50/50

Out-sourcing
LTES capacity out-sourced to research/ technical institutions or consultations



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TO JOIN THE LTES NETWORK INFORMATION SESSIONS ON 11 & 14 DECEMBER COUNTRY REPRESENTATIVES CAN CONTACT:

LTES@IRENA.ORG

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THANK YOU!

QUESTIONS?

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Q & A
10 min

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NEXT WEBINAR

- **TUESDAY, 15 December 2020 • 15:00 – 15:30 CET**
  "Net-zero iron and steel production: challenges, options and what needs to happen now"
  For more information and to register: https://irena.org/events/2020/Jun/IRENA-Insights

- **TUESDAY, 5 January 2021 • 14:00 – 14:30 CET**
  "Thermal energy storage: a key enabler of increased renewables penetration in energy systems"
  For more information and to register: https://irena.org/events/2020/Jun/IRENA-Insights

- **TUESDAY, 26 January 2021 • 14:00 – 14:30 CET**
  "INSPIRE: IRENA's interactive tool for patent trends and international standards in RE"
  For more information and to register: https://irena.org/events/2020/Jun/IRENA-Insights

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THANK YOU FOR JOINING US!

SEE YOU IN OUR NEXT WEBINARS

www.irena.org/events/2020/Jun/IRENA-Insights

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