

# Long-Term Energy Scenarios

Session 8: Communicating and responding to uncertainties in scenarios  
Co-hosted with VTT Technical Research Centre of Finland

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5<sup>th</sup> International Forum on LTES for Clean Energy Transition





# Long Term Energy Scenario (LTES)

## What are we doing?

### Sustainable development needs collaboration from all stakeholders.

Energy transition is not only about energy sector – however visions from other sectors are rarely included.

By focusing on inclusive stakeholder consultation throughout the process, we ensure all vision and concerns are heard.

### Stakeholder inclusion

### New evidence on energy system

This project will unlock opportunities by **utilising emerging technologies and electrified end-use sector.**

Existing long-term scenarios recognise similar drivers of energy demand growth and falls short on incorporating implication of current global energy trends.

### Co-benefits

Energy transition **benefits society and environment** as they are considered as critical drivers in the development of long-term scenarios.

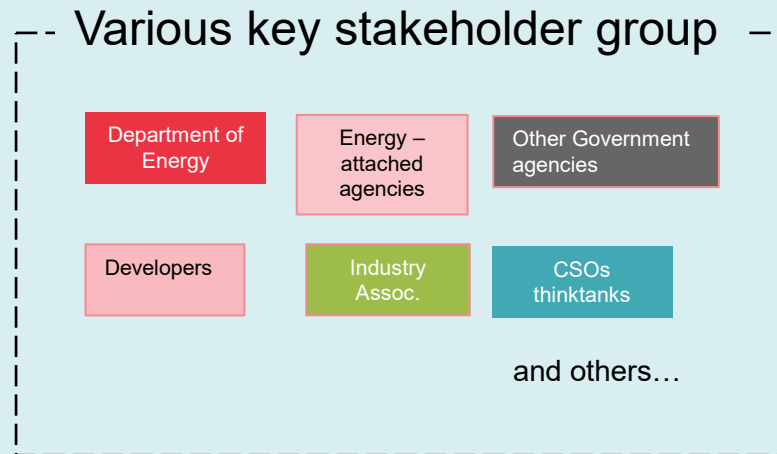
The project will analyse co-benefits implications of each long-term pathways, especially on well-being, jobs, community, health and economy.



# LTES Model Inputs are from key stakeholders

## Discussion: Building storylines with stakeholders through the **Joint Fact-Finding Approach**

- Brings together divergent stakeholder positions and interests; wherein stakeholder **visions can be translated into strategies** for reaching decarbonization of power system.
- Increase transparency and dialogue between actors
- All interests and concerns are heard and reflected.



Understand their implications on the power sector

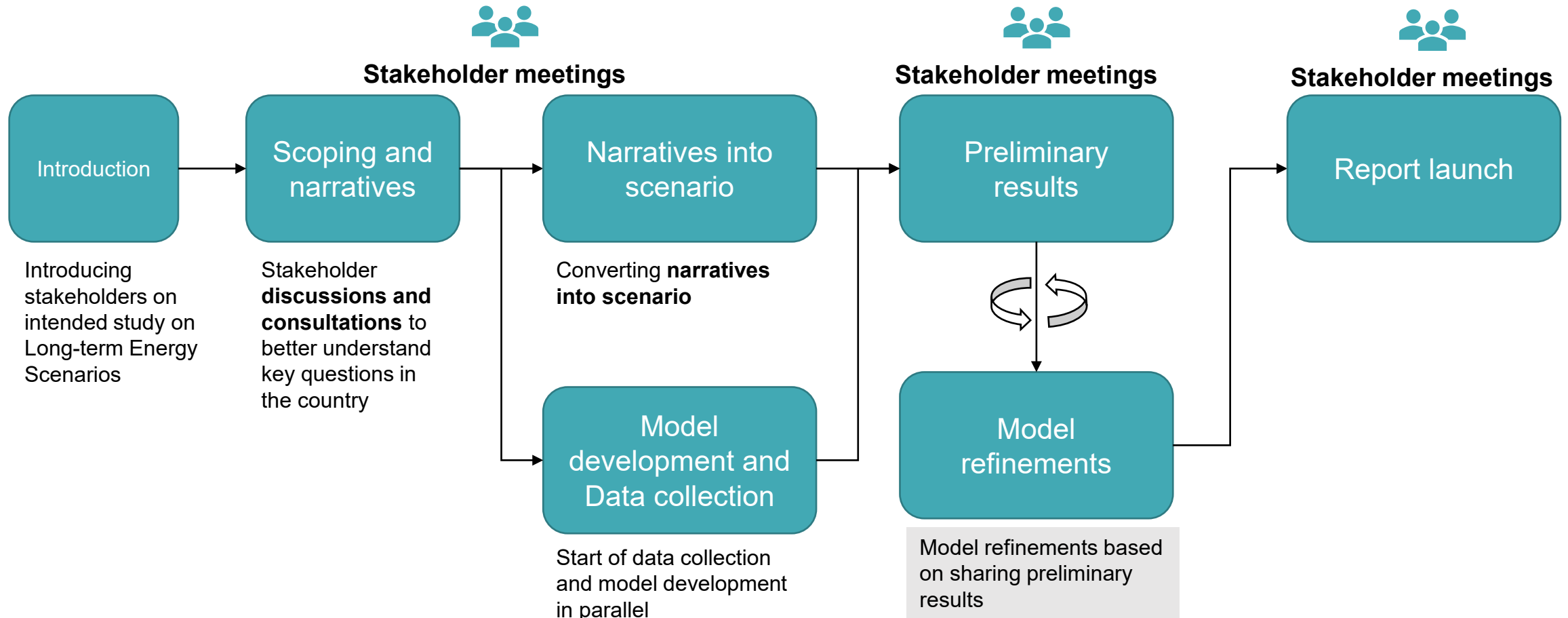
## Assessment: Power system modelling

- **Utilization** of power plants
- **Capacity** mix
- **Flexibility** needs
- **Security** of supply issues
- **Economics** of different technologies



# LTES Engagement Process

Stakeholders are **involved at every stage** to ensure an inclusive process and secure buy-in.





# Captured Stakeholder Visions on Energy Transition

- **Affordable and reliable electricity supply** through prioritizing **energy security** and **reduce fossil fuel import** dependency is deemed as the most important. Stakeholders mention that **managing indigenous resources** is crucial to support the country's economic development.
- **Energy efficiency** as an avenue to achieve energy security.
- **Social development** should be considered at the **forefront**, which includes competitive electricity prices, better energy services, more green jobs, cleaner air, impacts to health.
- Transitioning towards a **green, sustainable, and low-carbon economy** by enhancing energy efficiency efforts and harnessing untapped energy resources.
- Achieving the **climate commitment** is only deemed as a **co-benefit** for majority of Philippine stakeholders.

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## THANK YOU!

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