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Second International Forum

# Long-term Energy Scenarios for the Clean Energy Transition



**Dolf Gielen**

**Director, Innovation and Technology Centre, IRENA**

**26 March 2020 | Virtual event**

# Why long-term energy scenarios (LTES)?

## » Fundamental tool for policy making

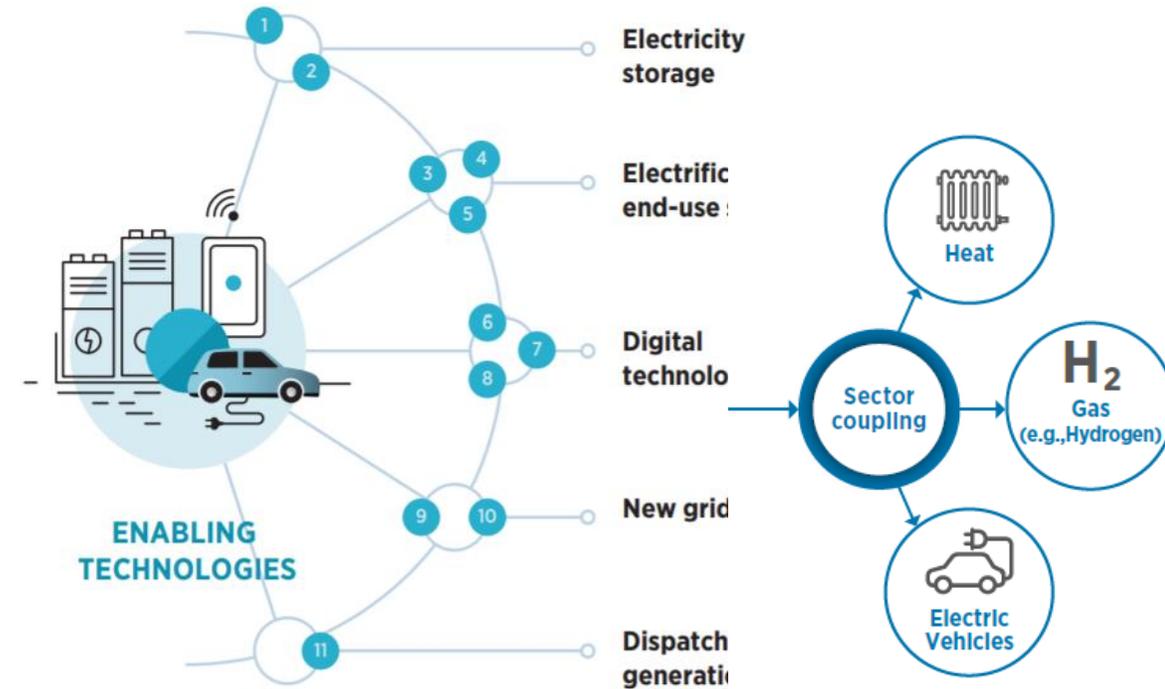
- » National policy making
- » Global policy debates / public opinion

## » What is new?

- » Global decarbonisation (NDCs - Paris Agreement)
- » Electrification of end-uses through digitalisation
- » Innovation within and around the energy sector

## » Long-term visions for clean energy transition

- » Avoiding risks of making poor, short-sighted decisions – stranded assets.
- » Represent transformative changes of energy systems (e.g., VRE, hydrogen, power-to-X, etc.)



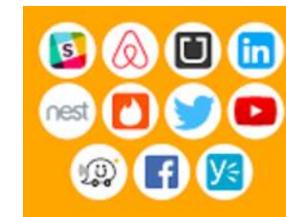
Artificial intelligence



Blockchain



Platform business model



IoT



# The LTES Campaign and Network

*Promote the effective use and development of “long-term energy scenarios” (LTES) to guide the clean energy transition*

## LTES Network

IRENA Long-term Energy Scenario Network



**Open to:**

- IRENA member countries
- Technical institutions supporting government
- Regional energy bodies and organisations



**13 CEM member countries**

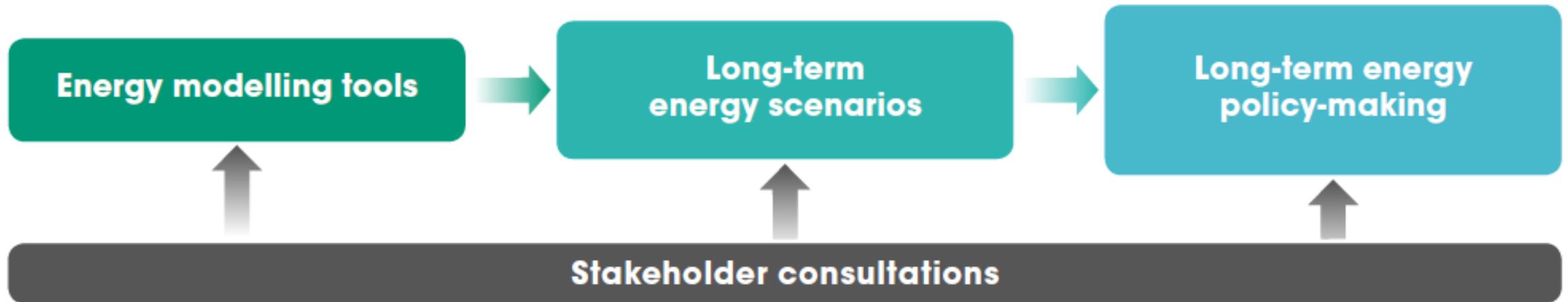


**7 Technical partners**



# Scenario use and development

*Energy models are tools to DEVELOP long-term energy scenarios with are USED to inform effective long-term energy policymaking. Different stakeholders participate in this process.*



# Activities of the LTES Campaign and Network

*Hundreds of scenario users and developers have been engaged through the LTES Campaign and Network's activities to exchange experiences and best practices.*



International  
Forums



Thematic side  
events



Webinar  
series



Best practice  
reports

Second International Forum

## Long-term Energy Scenarios for the Clean Energy Transition

26 March | Virtual Event

- Deep-dive discussions with subject experts
- Stock taking of good practices and discuss key messages
- Raise awareness of the importance of long-term energy scenarios for policy making in the context of clean energy transitions.

[Ites@irena.org](mailto:Ites@irena.org)

### *Session topics*

**Session 1: Electrification scenarios for a carbon-neutral energy system by 2050**

• 9:20 – 10:40 CET

**Session 2: Exploring the global landscape of LTES narratives and assumptions**

• 10:50 – 11:50 CET

**Session 3: Stakeholder engagement for an inclusive LTES development process**

• 12:00 – 13:00 CET

**Session 4: Systemic innovation in energy demand and consumer behaviour in LTES**

• 14:00 – 15:00 CET

**Session 5: Robust and resilient LTES development processes**

• 15:10 – 16:10 CET

**Session 6: Risk and systemic innovation in long-term energy policy-making**

• 16:20 – 17:30 CET

# Thank you!

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