



# Pathways to Sustainable Energy

Stakeholder Consultation and Information Workshop:  
Preliminary Modeling Results & Policy Scenario  
Scoping

25 September 2018, Geneva



# Energy for Sustainable Development

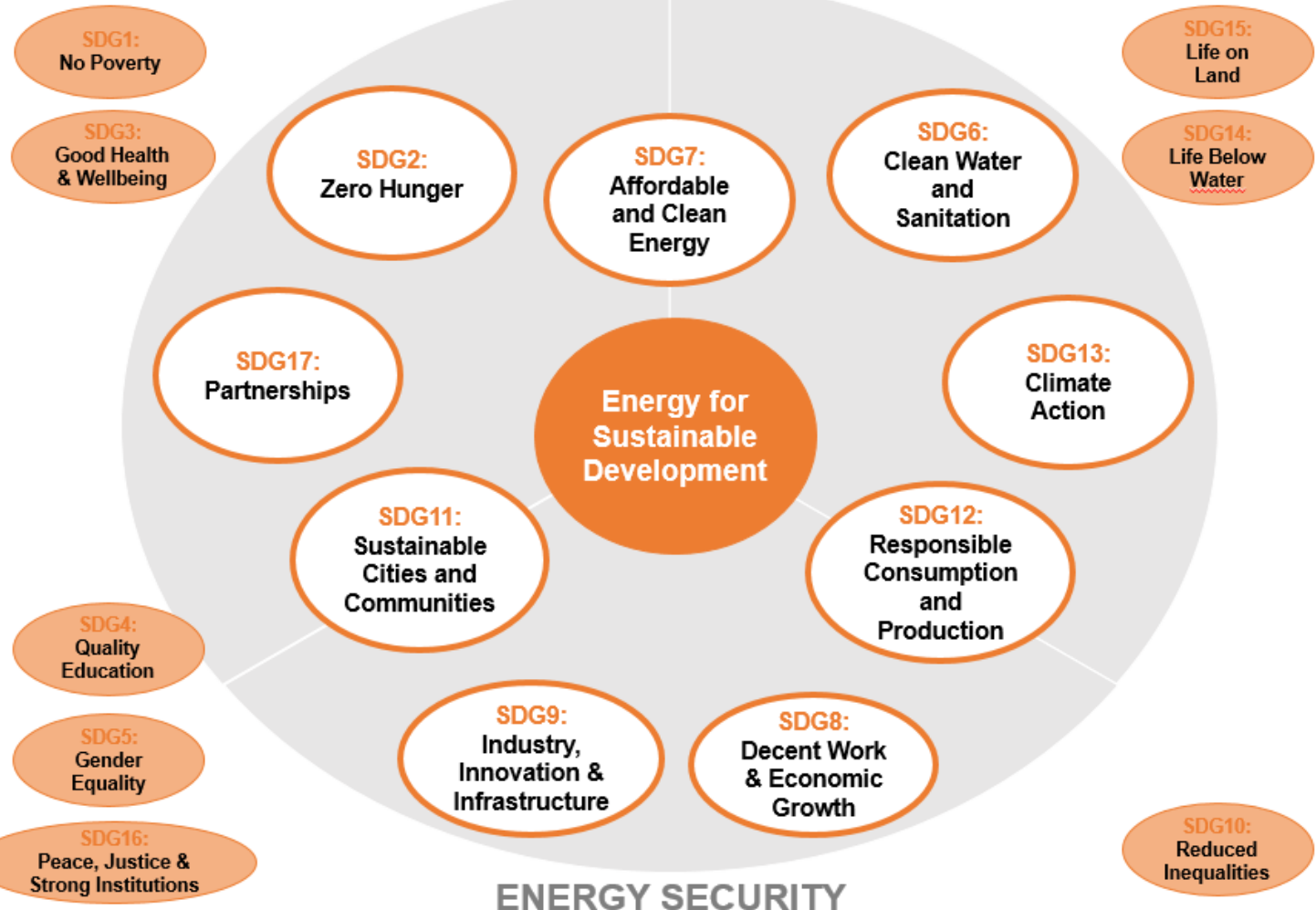
## Energy as an enabler to the 2030 Agenda

ENERGY



ENERGY FOR QUALITY OF LIFE

ENERGY AND ENVIRONMENT



UNECE

Global Tracking Framework:  
UNECE Progress in Sustainable Energy



See progress tracking report for the UNECE region:

<https://www.unece.org/index.php?id=47830>

# Sustainable Energy Scenario Development

## Modelling Approach: Policy Scenario Development



### ENERGY

## Sustainable Energy Objectives

- I. **“Energy Security”**: Securing the energy needed for economic development;
  - II. **“Energy for Quality of Life”**: Provide affordable energy that is available for all at all times;
  - III. **“Energy and Environment”**: Minimize the impact of energy system on climate, ecosystems & health.
- **Policy Scenario Development: Pathways that can attain the set objectives by 2050.**

# Pathways Project and Sustainable Energy

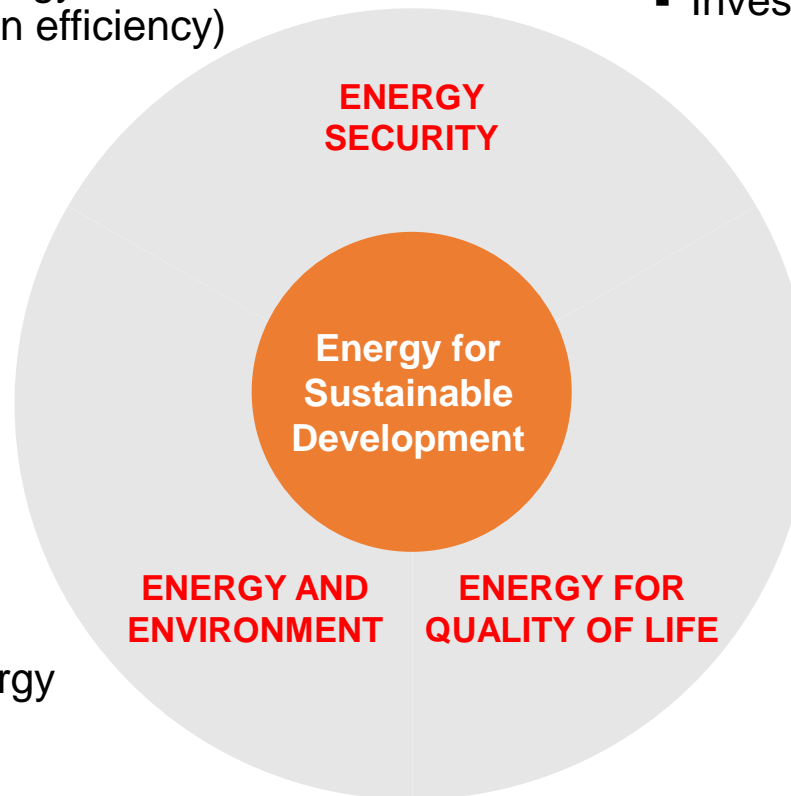
## Three Pillars

### ENERGY



## ***“Secure the energy needed for economic development”***

- Energy Efficiency (energy intensity of economy, rate of improvement of energy intensity, conversion efficiency)
- Fuel mix
- Net energy trade
- Investment requirements



## ***“Minimize adverse energy system impacts on climate, ecosystems & human health”***

- GHG emissions from the energy system
- Energy-related air pollution, water use & water stress

## ***“Provide affordable energy that is available for all at all times”***

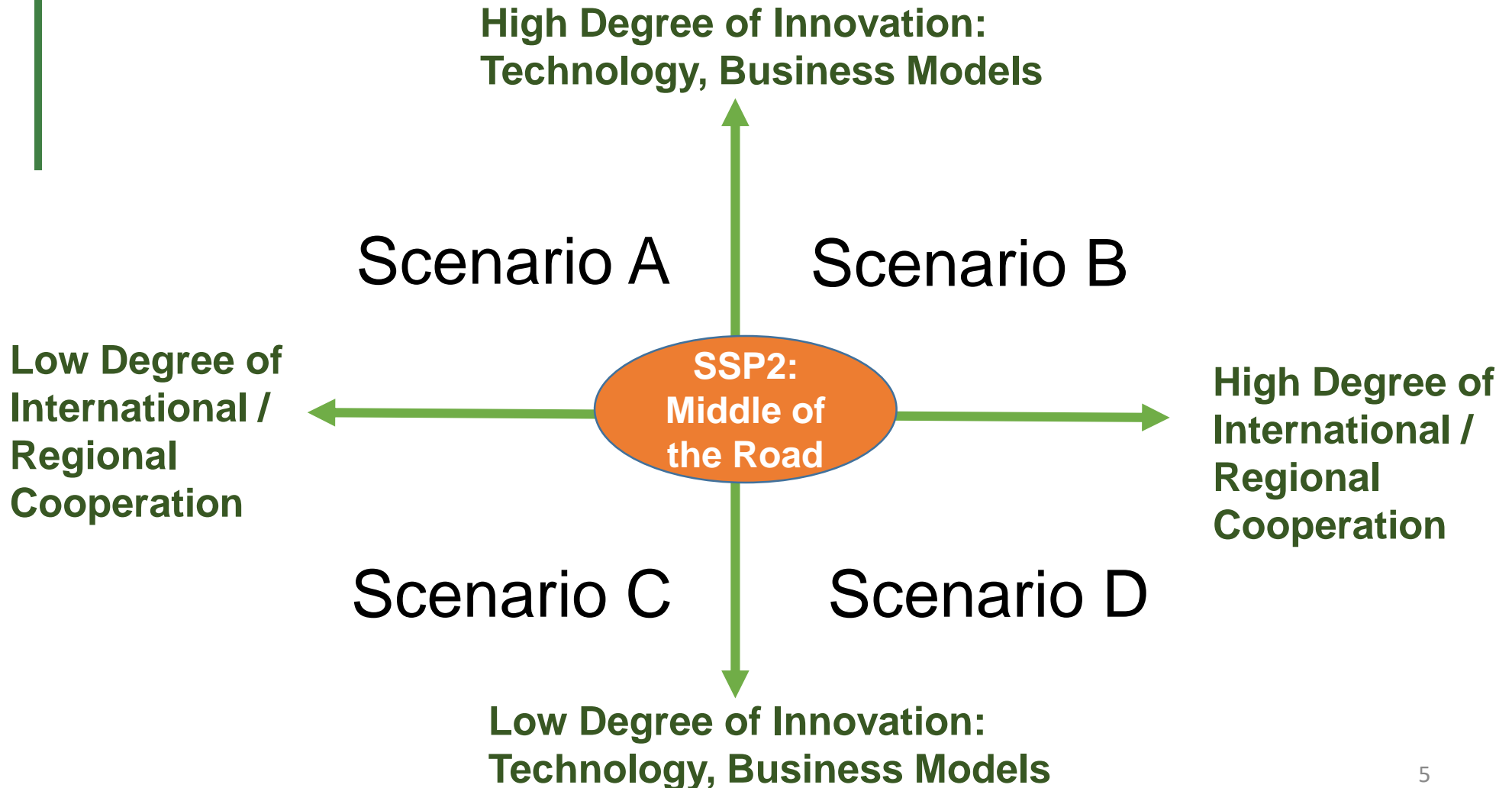
- Access to energy services
- Energy affordability
- Food security (biomass use)

# Energy for Sustainable Development

Storylines providing four scenario spaces



ENERGY





# Thank you!

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