



# *TOPIC 1*

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## Seminar Topic 1: The Vision – sharpening our insights

**Do you share the **Vision** for Electricity Networks of the Future and how might the vision be refined?**

- **Network operator of the future → SERVICE PROVIDER**
- **“business model” → SYNCHRONOUS AREA or ISLANDS**
- **MARKET MECHANISMS** that support network operations
- **Focus on REGULATORY FRAMEWORK**
- **Focus on CUSTOMERS’ NEEDS and CHANGES**
- **“increased needs” → FLEXIBILITY, SECURITY, EQUIPMENT**



## *TOPIC 2*

**Seminar Topic 2: The Customers – anticipating their needs and opportunities**

**Are the needs of customers adequately identified and how will these differ in the future from those of today? Are the strategic topics aligned with these needs and is the ranking proposed consistent with the user's priorities?**

- **CHANGING CUSTOMER BEHAVIOUR** → operations
- **AMM & AGGREGATOR** (with WG3)
- **DYNAMIC TARIFFS** (with WG1 and WG3)
- **ECONOMIC SIGNALS** will guide CUSTOMERS



## *TOPIC 3*

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### Seminar Topic 3: Evaluation Projects – achieving cost-effective validation projects

**What are the characteristics of a successful validation project, how might it best be structured as regards collaborative partners, funding, location and so on?**

- Network operations = issue of **MANY PLAYERS**
- **NON-DISCRIMINATION** in treating all (also renewable) gen.
- Increasing **EFFICIENCY** of network operations
- Identify and tackle first **SHOW-STOPPERS**
- Follow the **KEY GOALS** within the SmartGrids scope



## TOPIC 4

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### Seminar Topic 4: Risks & Solutions – securing success

**What are the risks that may prevent the realisation of the vision and how might the Flexible Framework best be developed to eliminate or minimise them?**

- **EUROPEAN DIMENSION** is mandatory
- Take into account **BOUNDARY CONDITIONS**
- **SIMULATE** to avoid risks + “**LABORATORY**”
- Focus more on **ICT**
- Clear, well defined **MIGRATION PATH**
- **REGIONAL MARKETS** → coherence & compatibility

## Annex – key goals within the SmartGrids scope

- ❑ To **optimize reliability** to support electricity as a vital, cost-efficient energy system
- ❑ To support the **integration of electricity markets**
- ❑ To support the **enhancement of electricity retail markets**
- ❑ To support massive penetration of **RES and DER**
- ❑ To improve the Network **robustness**