



## Subtask 2

Content of the synthesis report



Business from technology

## Subtask 2: Analysis of the information collected and preliminary conclusions (state of the art)

On the basis of the collected information a draft synthesis report and preliminary conclusions are written down including

1. Status and technical and economical characteristics of DG, energy storage and demand response including the system effects of intermittent type DG
2. State of the art of integration of DER at customer, network, system and market level; pilot and research projects and actual applications
3. Preliminary conclusions on improvements needed to enhance the integration
4. Preparation of the workshop

The draft analysis and preparation of the workshop is done by OA with the assistance of country experts

## Preliminary content (1)

- Introduction and background
- Country and market analysis/comparison
- Technology review: Interfaces, communication, metering, interoperability essential part of technologies: analysis of portfolio options including storage,
- Analytical, modeling part/process how to analyze the impact of integration, TSO/distribution level, effect on network business
- policy and market, business cases,
- Status of integration on the basis of research, pilots, demonstrations, existing practices, business cases
- Vision on successful integration
- Conclusions
  
- Annexes: country reports

More detailed proposal from OA: mid of April for comments

First draft of the report: latest end of May for comments

## Discussion on the content (2)

### Country descriptions

- state of demand response (different mechanisms and customer types)
- state of DG and storages (fuel supply?)
- description of balance management and possibly other market rules
- price volatility / demand volatility
- future prospects of capacity and peak load development and development of intermittent generation
- suitability of different DG/storages and DR types considering market rules

### Vision of succesful integration of DR and DG and storages and smart grid technology

- some suggestions about market rules