

# INTERNATIONAL LOW-CARBON ENERGY TECHNOLOGY PLATFORM

Methodology – Visioning + Scoping  
How2Guide for Smart Grids  
in the Distribution Networks



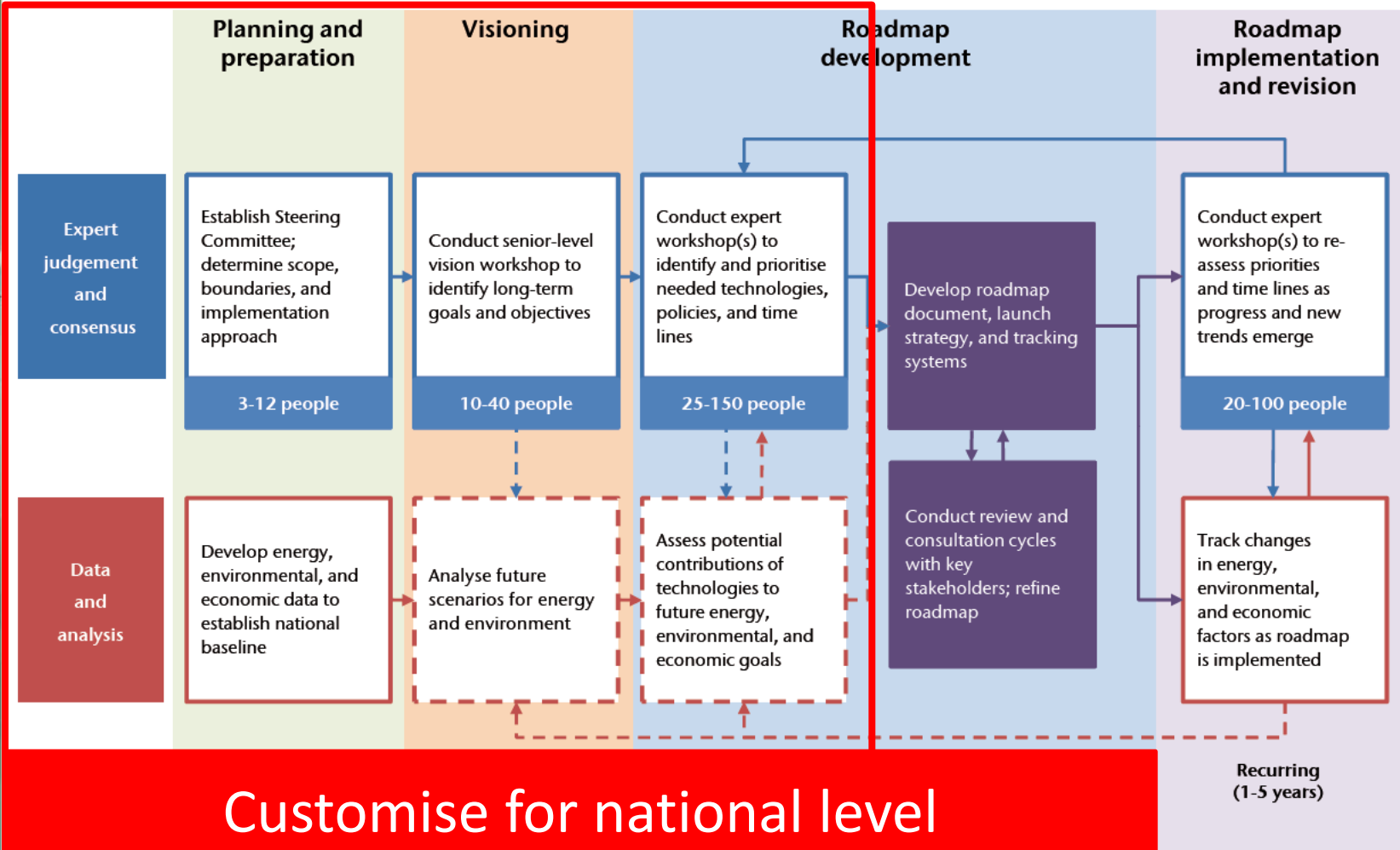
International  
Energy Agency

### How2Guide recap:

- Target audience: Roadmap programme manager
  - Enable engagement with technical specialists
- Identify all salient considerations:
  - Issue
  - Impacts
  - Solution options
  - Relevant stakeholder
- Provide methodological guidance:
  - How to develop a roadmap
  - How to implement a roadmap

# How2Guides

- Develop technology specific guidance for national level policymakers on development and implementation of national technology strategy.



Customise for national level  
Customise for smart grids considerations

Step	What	How
Planning +Prep	<ul style="list-style-type: none"> <li>• Establish governance structure</li> <li>• Baseline research</li> <li>• Scope + Boundaries</li> </ul>	<ul style="list-style-type: none"> <li>• Steering committee</li> </ul>
Visioning	<ul style="list-style-type: none"> <li>• Long term goals</li> <li>• Objectives</li> <li>• Target setting</li> </ul>	<ul style="list-style-type: none"> <li>• Steering committee</li> <li>• Workshops</li> </ul>
RM development	<ul style="list-style-type: none"> <li>• Identify issues</li> <li>• Understand issues</li> <li>• Define solutions</li> <li>• Stakeholder engagement</li> </ul>	<ul style="list-style-type: none"> <li>• Steering committee</li> <li>• Workshops</li> <li>• Wider consultation</li> </ul>

# Discussion topics

## Planning and preparation:

- What baseline research is required at the outset?
  - System assessment?
  - Technology?
  - Policy?
  - Market design?
  - How does one address data gaps?
  - How is this collected – what is your experience?
  - How long should this take?
- Scope + Boundaries
  - We know the project cannot be limitless, but how do we constrain the scope?
  - What parameters decide scope, or set the boundaries?
  - How is this decided? By whom?
  - How long should this step take to develop?

# Discussion topics

## **Visioning (Setting goals, objectives, targets):**

- What metrics make for suitable Smart Grid targets?
- What are NOT suitable for Smart Grids?
- Are these easily measurable?
- How to package objectives to achieve positive engagement?
- How is this decided? By whom?

# Discussion topics

## Roadmap development (up to pre launch)

- How best to agree relevant issues and impacts?
- What consultation tools are most effective?
- Completing journey from targets to agreed action, what barriers have prevented the consensus on identifying issues, solutions?
- How does one best manage self interest, or incumbent interest?
- What role for detailing modelling? Where in the process?
- Q: How long should this step take to develop?
- Q: How many workshops are required?