

# EU Strategy on Energy Technologies and Innovation and its external dimension

International Low-Carbon Energy  
Technology Platform Workshop

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# SET Plan adopted in 2008



- ***Focus on technologies with market impact up to 2020 (set up of EIIs)***
  - Wind
  - Solar
  - Electricity grids
  - CCS
  - Bioenergy
  - Nuclear
  - Smart Cities and Communities
  - Fuel cells and hydrogen
- ***Focus on longer-term research actions beyond 2020 (set up of EERA)***
- ***Financing –to increase***



### *For new challenges post 2020*

- *From sectors to system*
- *Bridging research and innovation with energy policy*
- *Making better use of existing and increased financial resources*
- *Keep options open*
- *Harness endogenous resources*



## *Implementing Actions*

- *Integrated Roadmap*
- *Action Plan –EC and MS financing*
- *Robust reporting system*
- *A new coordination structure under the SET plan SG on energy efficiency*
- *New competences: e.g. non-technological barriers*
- *External Dimension*





**I. Energy Efficiency**

**II. Competitive, Efficient,  
Secure, Sustainable &  
Flexible Energy System**

**III. Cities, Communities &  
Market Uptake**

**IV. Synergies, Roles &  
Tasks of Actors**

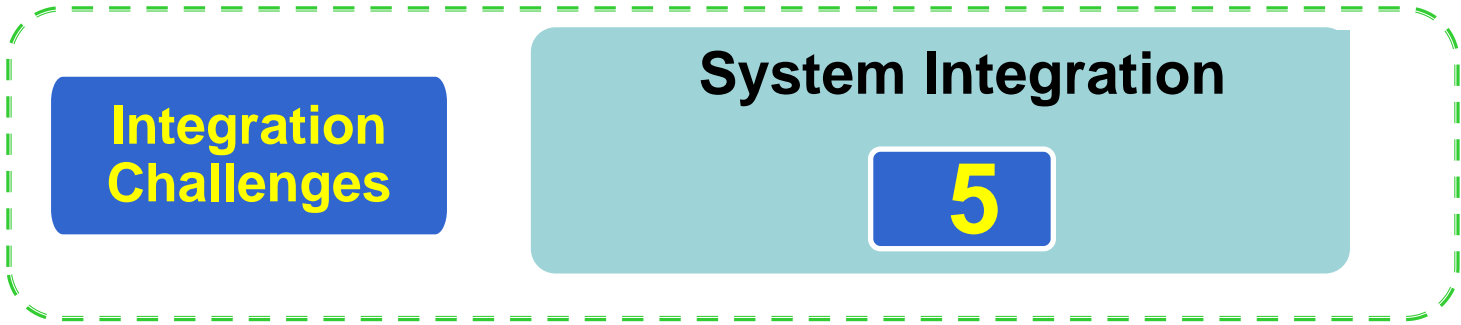
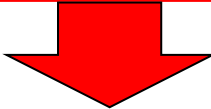
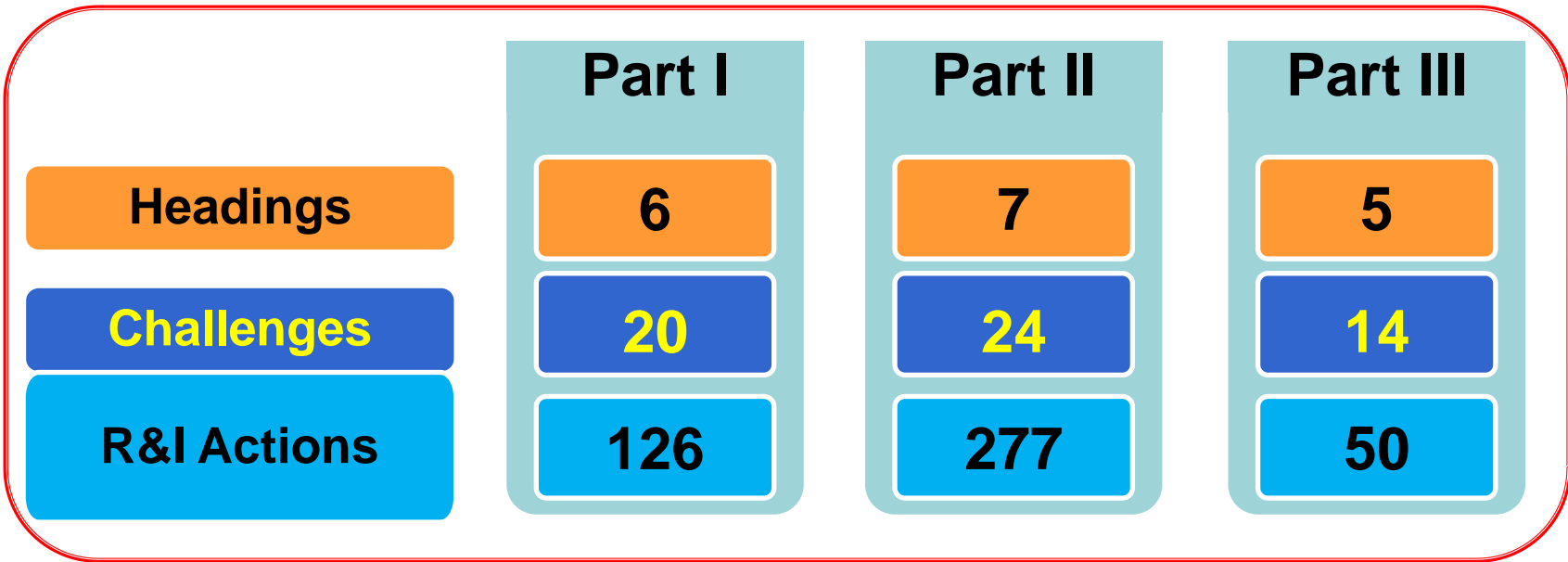
**V. Monitoring &  
Review**



## *Key issues:*

- Cost competitiveness/performance
- System integration (smart interfaces, new capabilities of equipment, new or improved services to system, forecast)
- Supply chains (industrial logistics, maintenance, materials and manufacturing, recycling)
- Non technological aspects (market framework, business model, spatial planning, standards, financing, skills and capacities)
- Societal issues (environment impact, safety, health, social acceptance)

# Structure







# The way forward: the Action Plan



Integrated Roadmap	<i>R&amp;I Actions</i>	EU	Joint actions	MSs individually/ regions (cohesion)	Industry
Consumer	X	✓		✓	✓
	X	✓		✓	✓
Demand focus	X	✓	✓		
	X		✓		✓
System Optimisation	X	✓		✓	✓
	X	✓			
Supply	X	✓	✓		✓
	X			✓	
Socio-economic	X	✓			✓
	X		✓		



## ***Gaps and opportunities for international cooperation in Integrated Roadmap***

1. Provide a new policy framework to boost cooperation with targeted international Partners
  - a. Building on lessons learned
  - b. Current priorities
  - c. Address gaps and seize new opportunities
  
2. Create synergies among EU, Member State and stakeholder to maximise impact on 2020 and 2030 energy and climate goals



## ***Gaps and opportunities for international cooperation in Integrated Roadmap***

3. Use of Existing international cooperation framework and policy dialogue (bilateral and multilateral)

4. Opportunity to reinforce links and synergies with other relevant policies e.g. development, climate, enterprise, innovation, etc.



European  
Commission

***Thank you for your attention!***