



EUROPEAN TECHNOLOGY & INNOVATION
PLATFORM ON WIND ENERGY

Public Workshop

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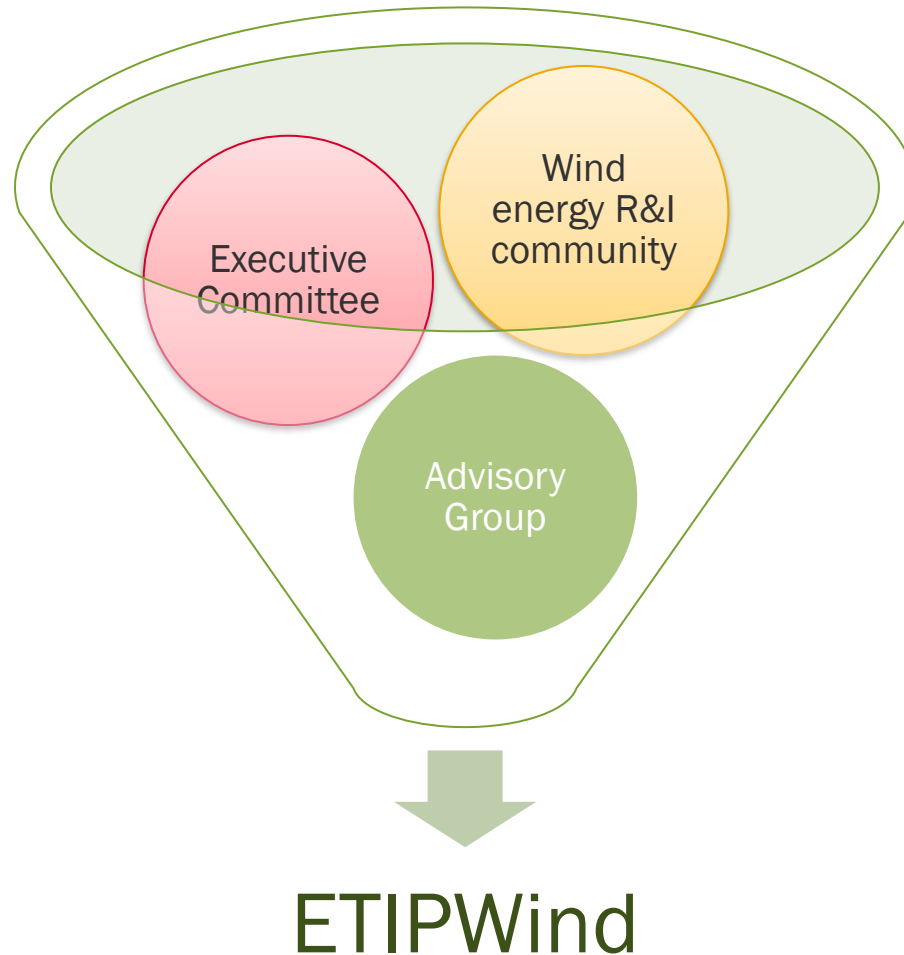
Defining technology pathways to 2030

Aidan Cronin
Executive Committee chair

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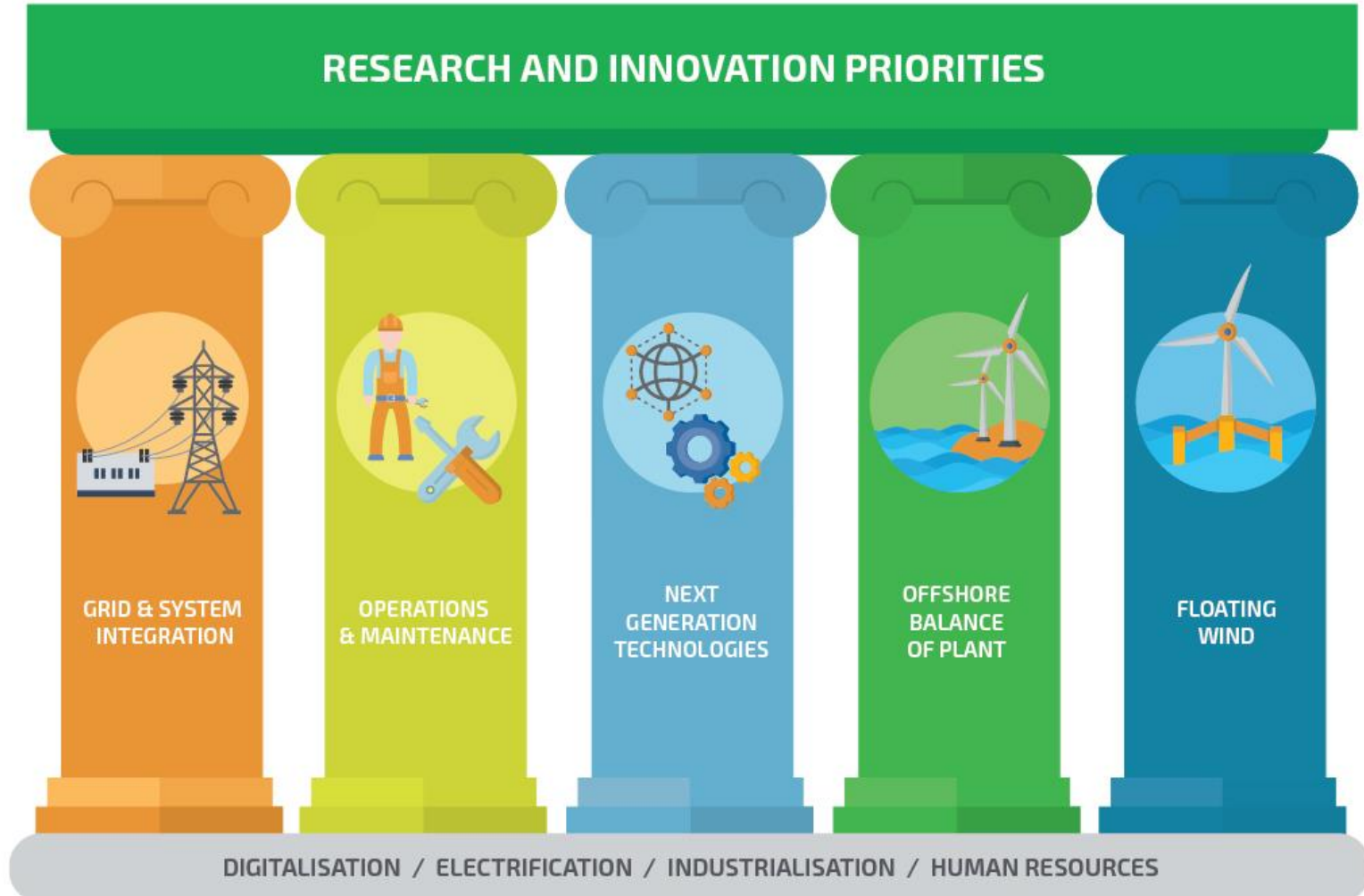
15 January 2019

ETIPWind – vocalising wind energy R&I

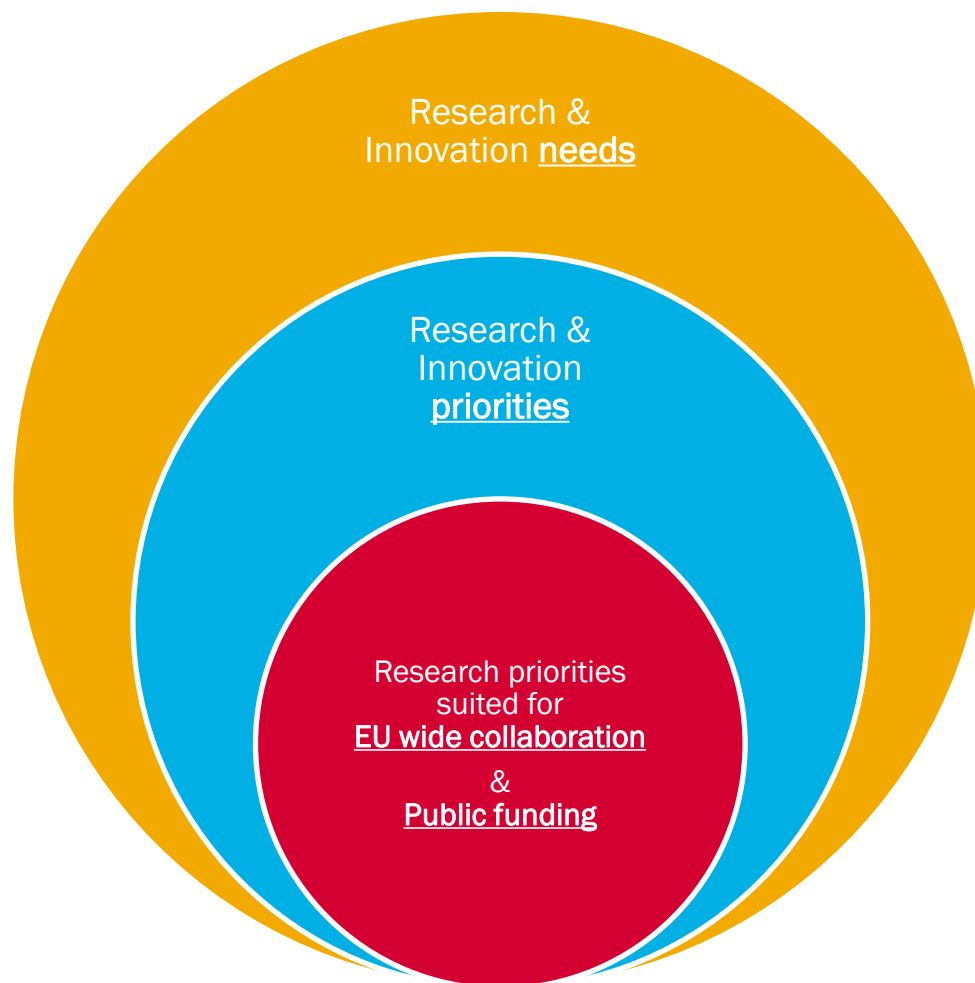


2018 Strategic Research & Innovation Agenda

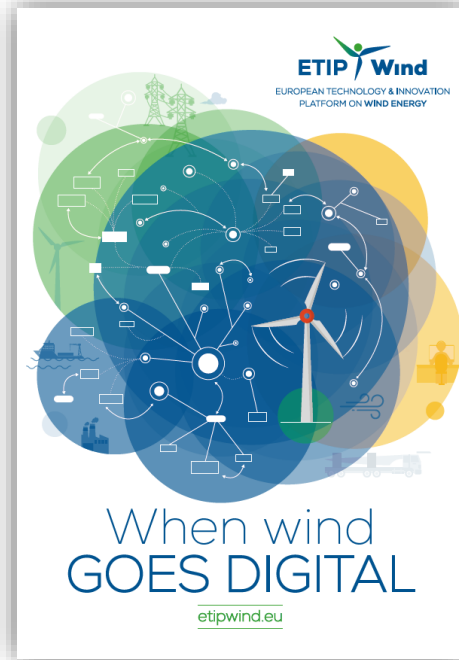
Driving market development with targeted R&I



Scope of the discussion



ETIPWind publications



Objectives of the SRIA



Reduce costs



Facilitate system
integration



Reinforce European
technological
leadership



Ensure first-class
human resources



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Technology pathways

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ETIPWind Technology Roadmap <-> SRIA

Broad

2018 SRIA

- What are the challenges?
- What are the priorities?
- What is suited for common action?

2019 Roadmap

- Where are we headed?
- How do we get there?
- What do we get there?

Specific

Defining technology pathways

- Building on 2018 Strategic Research & Innovation Agenda.
- Areas where EU wide collaboration is needed.
- Non competitive technologies.
- Targeted research & innovation needs.
- Spread over time (short, medium & long term).

Indicative impact criteria

- Retaining EU technology leadership in the global market.
 - *How will developing this technology strengthen the EU wind energy sector?*
 - *What is the market potential and what is the state-of-art?*
- Towards wind energy being competitive in a merchant price world.
 - *How will this technology drive costs down and how much?*
- Providing 30% of power demand by 2030.
 - *How will this technology help the final use of wind power?*



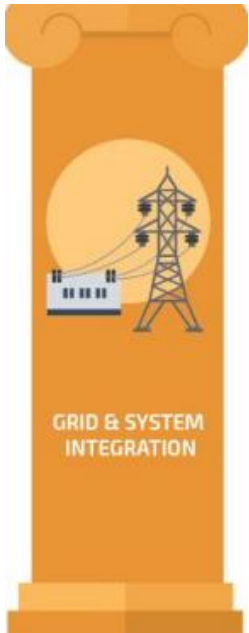
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Workshop procedures

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INSERT PILLAR

TEMPLATE



INSERT CHALLENGE HERE (*what is the issue*)

- OBJECTIVE (*what is needed to solve the issue*)
- OBJECTIVE (*what is needed to solve the issue*)
- OBJECTIVE (*what is needed to solve the issue*)

TECHNOLOGY PATHWAY

(*Research actions needed to reach the objectives*)

Short term



Medium term



Long term



Agenda

09:45	Break-out sessions	
	Break Out 1: Grid & system integration	Break Out 2: Offshore balance of plant
10:45	Consolidation Plenary session	
11:15	Break-out sessions	
	Break Out 3: Human resources	Break-Out 4: Operations & maintenance
12:15	Consolidation Plenary session	
12:45	Lunch break	
13:45	Break-out sessions	
	Break Out 5: Next generation technologies	Break Out 6: Floating wind
14:45	Consolidation Plenary session	
15:15	Break	
15:30	Plenary discussion Transversal challenges and <i>moonshot projects</i> .	
16:30	Consolidation Plenary session	
17:00	Wrap-up & Next steps ETIPWind Secretariat	

Break-out session roll-out		
5'	Introduction & tour de table	
10'	Identification of top challenges (2)	
35'	Mini break-out per challenge	
	5'	Defenition of the challenge
	15'	Definition of Objective 1 and short, medium and long term research priorities
	15'	Definition of Objective 2 and short, medium and long term research priorities
5'	Presentation of findings	
5'	Consolidation	



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BREAK-OUTS

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Wrap-up & Next Steps

Presenter name
Job title

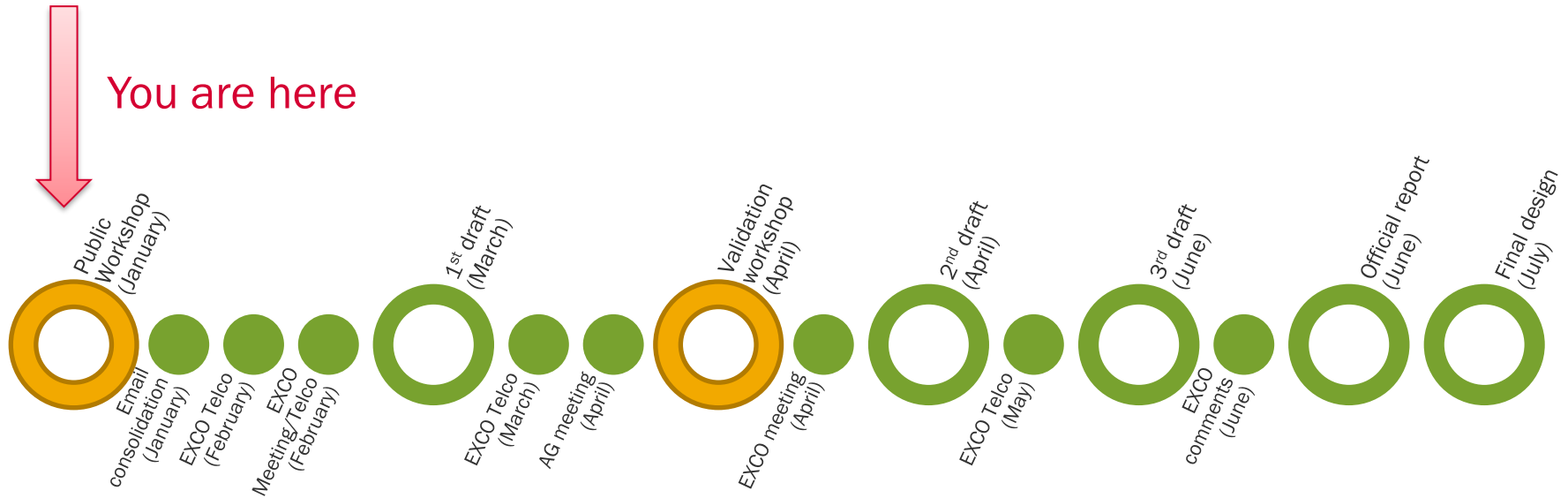
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February 2016

Technology Roadmap – Speaking with 1 voice



Technology Roadmap – Timeline (indicative)





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Thanks for your attention

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