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TPWind funding recommendations

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The EWI

- The European Wind Initiative (EWI) is a long-term, large-scale Programme aiming at improving and increasing public funding for wind energy R&D
- Part of EU Strategic Energy Technology Plan (SET-Plan) - European Commission blueprint for the development of low carbon technologies
- Launched European Industrial Initiatives (EIIs), i.e. Programmes for fostering R&D in 8 strategic energy sectors
- The EWI has a total budget of € 6bn (composed private and public resources) for the 2010 – 2020 period

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TP Wind main tasks

EWI implementation

- Most important task for TPWind
- EWI developed by TPWind in cooperation with EU Institutions and Member States
- Published in 2009 - launched in 2010
- € 6 bn budget (private and public) for the 2010 – 2020 period
- TPWind was involved in:
  - The development of the EWI 2011 Work Programme
  - The development of the EWI 2012 Work Programme
  - The development of the EWI 2013 – 2015 Implementation Plan

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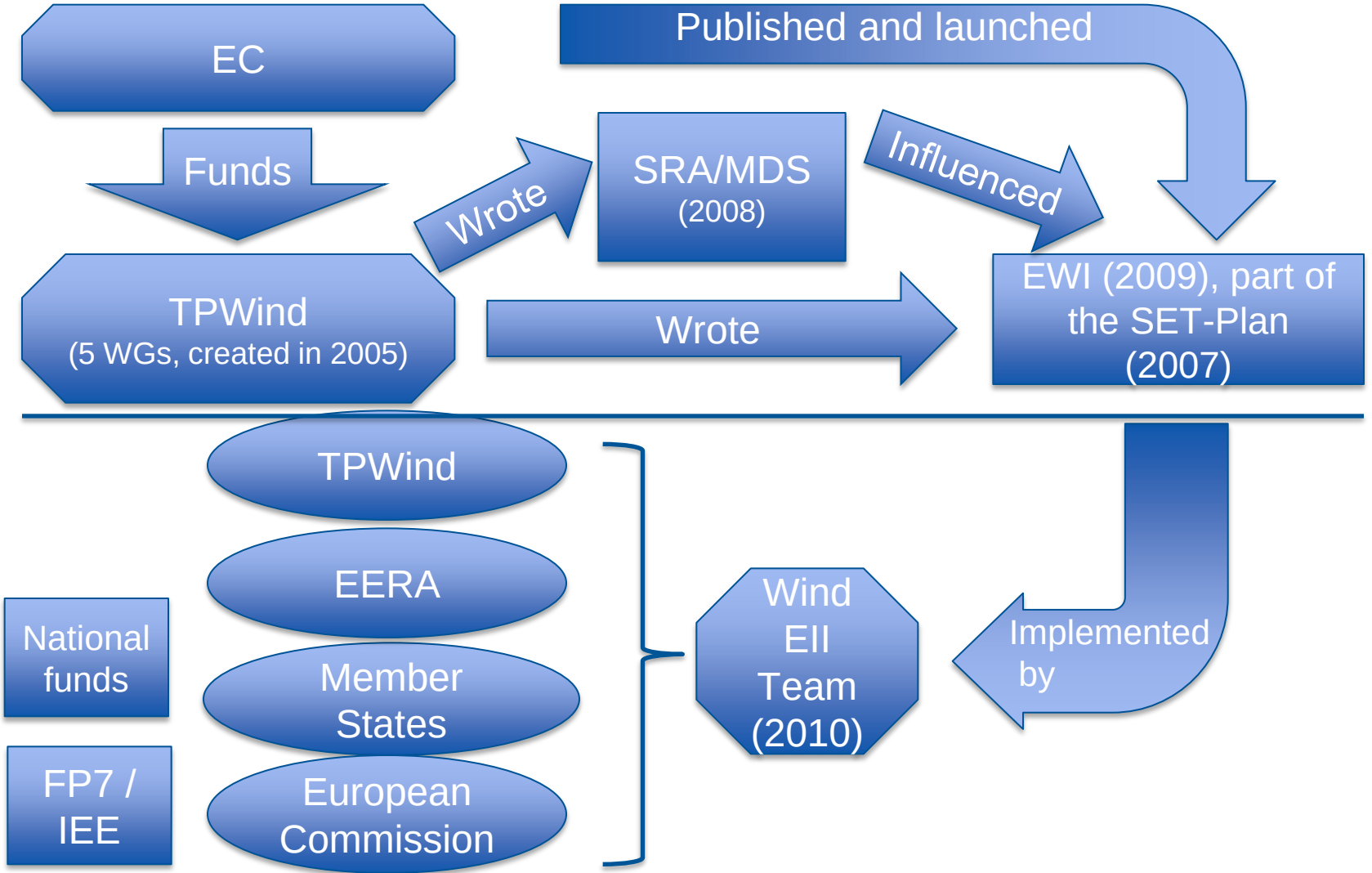
TPWind and the EWI: in a nutshell



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EWI in 2011 1/2

- EWI recommended the publication of 7 FP7 topics in 2011:
  - New materials for large scale wind turbines *(FP7 Energy topic 2012.2.3.1: innovative wind conversion systems for offshore applications)*
  - Reliability of large scale wind turbines *(FP7 Energy topic 2012.2.3-2: demonstration of innovative large rotor designs to reduce fatigue loads and improve reliability of wind power systems)*
  - EU testing approaches and risks posed by upscaling
  - Development of offshore standards
  - Grid connection of offshore wind farms
  - HVDC grids and compatibility of grid components
  - Identification of sites and measurement techniques (now part of the new EU wind atlas ERANET+ topic – see slides on EWI 2012 Work Programme)

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EWI in 2011 2/2

- EWI recommended priorities in IEE call Integration of various EU spatial planning projects to develop EU standards for both onshore and offshore
  - Societal and economic value of wind power *(Social acceptance: promotion of RES-e generation by collecting, analysing and disseminating via trusted sources high-quality, objective and relevant information on environmental and other impacts of RES generators and grids)*

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EWI 2011 Work Programme – total budget

EWI activity	Public resources already allocated (up to 2010)	Suggested EU funding scheme(s) and budget in 2011	Suggested national funding scheme(s) and budget in 2011	Industry contribution in 2010 - 2011	TOTAL *(including resources already allocated)*
GRAND TOTAL EWI 2011 Work Programme	**€ 568.05 m (52%)**	**€ 121.34 m (11%)**	**€ 77 m (7%)**	**€ 329,30 m (30%)**	**€ 1.095.69 m**

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EWI in 2012 1/2

- It recommended the publication of 9 FP7 topics in 2012
  - Aerodynamic modelling and testing for very large rotor blades
  - Smarter operation and maintenance
  - Optimisation of turbines to extreme climates and complex terrains
  - Innovative and dedicated offshore wind turbines
  - Development of offshore standards
  - Grid connection of offshore wind farms
  - HVDC grids and compatibility of grid components
  - DC power collection
  - New EU Wind Atlas (jointly funded by the EC and Member States)

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EWI in 2012 2/2

- Moreover, the EWI 2012 WP recommended the inclusion of two priorities in the 2012 IEE call for proposals (the one in red was partially take up):
  - Integration of various EU spatial planning projects to develop EU standards for both onshore and offshore
  - Societal and economic value of wind power (*Speed up and streamline permitting procedures and enhancement of public acceptance - both for grids and RES generators)*

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EWI 2012 Work Programme – total budget

EWI activity	Public resources allocated in 2011	Suggested EU funding scheme(s) and budget in 2012	Suggested national funding scheme(s) and budget in 2012	Industry contribution in 2012	TOTAL *(including resources allocated in 2011)*
GRAND TOTAL EWI 2012 Work Programme	**€ 87.7m**	**€ 141m**	**€ 83m**	**€ 173m**	**€ 484.7 m**

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Ensuring a proper implementation of the EWI

- Improve conditions for implementing the EWI, take advantage of move from FP7 (2007 – 2013) to Horizon 2020 (2014 – 2020)
  - Dedicated EU funding for the EWI (the current level of funding is too low)
  - Reduced time-to-grant (currently too high: approximately one year for the FP7)
  - Simpler EU rules
  - Room for bottom-up activities, instead of top-down only (as it is now with FP7 calls)

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Issues

- Is EU funding in line with / complementary to industry financing needs for R&D?
- How should EU funding be structured?

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Thank you for your attention!

http://www.windplatform.eu/