



**EWEA**  
THE EUROPEAN WIND ENERGY ASSOCIATION



# Horizon 2020: Financing Wind Energy

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## MFF 2014-2020 proposal

- **EUR 1.025 billion** inside the MFF and EUR 53,316 billion outside the MFF (including funds for ITER, Solidarity Fund, European Development Fund, etc.). (+10%)
- Key possible features for wind are:
  - 1) ~40% increase of funds for R&D (within **Horizon 2020**)
  - 2) Proposed doubling of funds for renewable energy and energy efficiency under the **Cohesion funds**.
  - 3) Increase of energy infrastructure budget from EUR 163 million to EUR 9.1 billion (under the new proposed **Connecting Europe Facility**).

## Horizon 2020 – what is it?

- **Horizon 2020** - a package of measures to boost research, innovation and competitiveness in Europe.
- **Brings together all existing EU R&I funding:**
  - Framework Programme for research and development,
  - Competitiveness and Innovation Framework Programme (CIP)
  - European Institute of Innovation and Technology (EIT).

## Horizon 2020 package consists of five proposals :

- Communication from the Commission - Horizon 2020 - The Framework Programme for Research and Innovation.
- Regulation of the European Parliament and of the Council establishing Horizon 2020 - **The Framework Programme for Research and Innovation (2014-2020)**.
- Regulation of the European Parliament and Council laying down **the Rules for the participation and dissemination in Horizon 2020**.
- Council Decision establishing the **Specific Programme Implementing Horizon 2020**
- Council Regulation on the research and training programme of the **European Atomic Energy Community (2014-18)** complementing Horizon 2020.

## Horizon 2020 key priorities are:

- EXCELLENT SCIENCE
  - INDUSTRIAL LEADERSHIP
  - SOCIETAL CHALLENGES
  - SUSTAINABLE DEVELOPMENT
- as the overarching priority of the programme.



## Horizon 2020 budget (in constant 2011 prices)

Horizon 2020 priority	Horizon 2020 (2014-2020), EUR m	FP7 (2007-2013), EUR m	Difference %
Excellent science	24,598		
Industrial leadership	17,502		
Societal challenges	30,744		
Joint Research Centre non-nuclear direct actions	1,962	1,751	
European Institute of Innovation and Technology (EIT)	2,800	300	933.33%
<b>Total EU regulation</b>	<b>77,606</b>	<b>50,521</b>	<b>153.61%</b>
Euratom (2014-2018) indirect actions	1,009		
Euratom (2014-2018) direct actions of JRC	656		
foreseen amount in the MFF for Euratom 2019-2020	729		
<b>Total Euratom regulation</b>	<b>2,394</b>	<b>5,311</b>	
<b>CIP-Intelligent Energy Europe</b>		<b>730</b>	
<b>Total research programme</b>	<b>80,000</b>	<b>56,862</b>	<b>140.69%</b>

Horizon 2020 vs. FP7 = 41% increase

Horizon 2020 = 7.8% of MFF 2014-2020

FP7 = 6.6% of MFF 2007-2013

## Horizon 2020 and Energy (under SOCIETAL CHALLENGES)

- **Secure, clean and efficient energy:**
  - 1) Reducing energy consumption and carbon footprint through smart and sustainable usage.
  - 2) **Low-cost, low-carbon electricity supply.**
  - 3) Alternative fuels and mobile energy sources.
  - 4) A single, smart European electricity grid.
  - 5) New knowledge and technologies.
  - 6) Robust decision making and public engagement.
  - 7) Market uptake of energy innovation, empowering markets and consumers.
- **SET-Plan replication?**

## Horizon 2020 and Wind

“The objective for wind energy is to reduce the cost of electricity production of onshore and offshore wind by up to about 20 % by 2020 compared to 2010, to increasingly **move offshore**, and to enable proper **integration in the electricity grid**. The focus will be on the development, testing and demonstration of next generation wind energy conversion systems of larger scale, higher conversion efficiencies and higher availabilities for both on- and off-shore (including remote locations and hostile weather environments) as well as new serial manufacturing processes”.



## Horizon 2020 and Energy: Budget

- **EUR 5,6 billion** (7% of H2020) through Secure, clean and efficient energy.
- **EUR 1 billion** through Access to Risk Finance Facility for SET-Plan activities (~RSFF).

	FP7 energy, EUR m	Horizon 2020 energy, EUR m	Difference
<b>EU regulation</b>	<b>2,350</b>	<b>5,599</b>	<b>238.26%</b>
CIP-Intelligent Energy Europe	730		
EEPR	1,565		
Access to Risk Finance		1,000	
<b>Total</b>	<b>4,645</b>	<b>6,599</b>	<b>142.07%</b>

- 42% increase actually replicates the Horizon 2020 increase vs. FP7 – **no new/bigger role for energy!**
- No funding targets for renewables (as in FP7).
- No funding target for wind.

## EWEA key demands for Horizon 2020 are:

- To increase the proposed Horizon 2020 funding level during the MFF negotiations (proposal: EUR 80bn, or 7.8% of the MFF) .
- To increase the non-nuclear energy research funds in order to address policy priorities and societal challenges identified in the Europe 2020 strategy.
- To introduce a dedicated budget line with 1.3bn for wind energy research under the SET-Plan.
- To keep ITER project funding outside the EU Budget, but if it was to be reinserted, non-nuclear funding must absolutely not be touched.

## Horizon 2020 – legislative procedure

- **29/06/2011** – Commission proposal – regulation on MFF (headings, including Horizon 2020 – EUR 80 billion)
- **30/11/2011** – Commission legisl. proposal on H2020
- **12/2012** – European Parliament position on H2020
- **By end of 2012** – decision on MFF (Council + Members States, EP – Consent)
- **Beginning 2013** – negotiations between the Council and the EP on H2020.
- **Mid-2013** – decisions on legal proposals (co-decision procedure)

**VISION WITHOUT A BUDGET IS  
HALLUCINATION !**

# THANK YOU !

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