



Funding opportunities under Horizon 2020

*Tomas Turecki
Unit I.2
DG Research & Innovation*



**Circular approaches to phosphorus: from
research to deployment**

Berlin, 4 March 2015



ENV.2010.3.1.1-2 Innovative system solutions for municipal sludge treatment and management



ENV.2011.3.1.9-1 Eco-innovation!



ENV.2012.6.5-2 Demonstration and exploitation of most promising prototypes and tools derived from European research activities



ENV.2012.6.3-1 Innovative resource efficient technologies, processes and services



ENV.2013.6.3-2 Eco-innovative demonstration projects



Some drivers for research and innovation in the water sector in the context of Horizon 2020

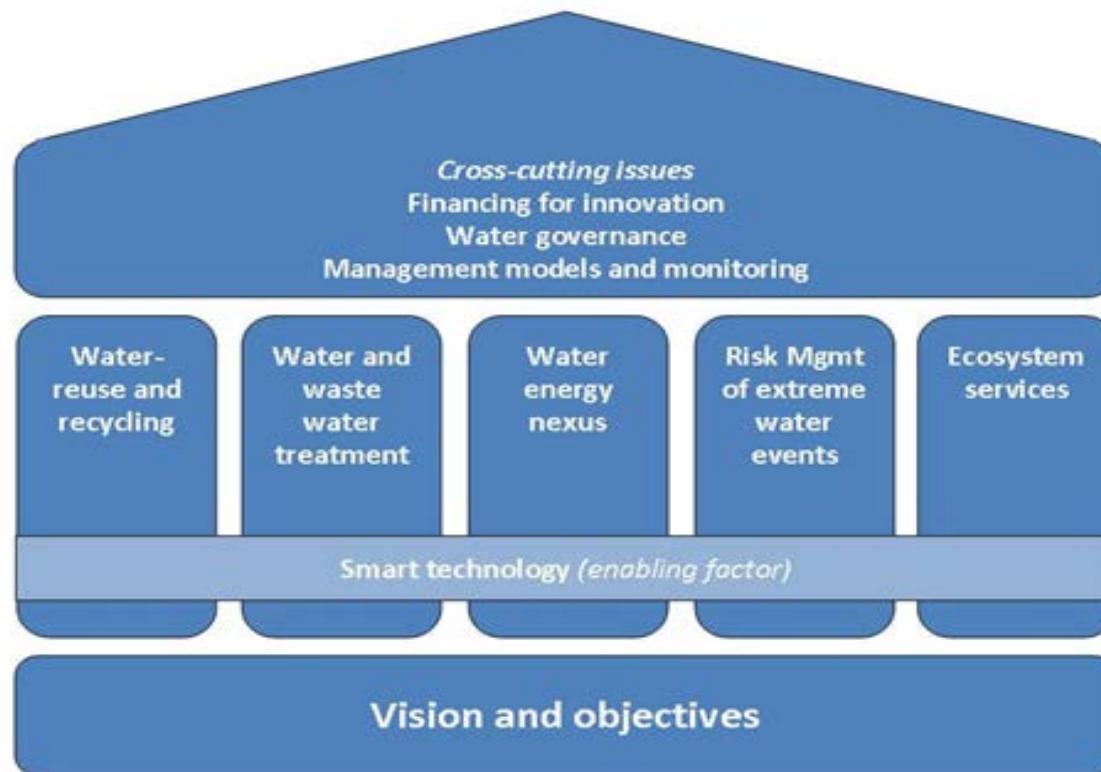
- EU water related legislation
- Innovation Union Flagship Initiative - European Innovation Partnership on Water
- Joint Programming Initiative "Water challenges in a Changing World"

EIP Water

Boosting opportunities – Innovating water

- Aims to speed up innovation, enhance Europe's competitiveness and contribute to job creation and growth
- Brings together public and private actors (EU, national, regional)
- Shapes priorities for innovation-oriented water topics in H2020
- Works mainly via Action Groups

Cross-cutting & Thematic Priorities





EIP Action Groups

- **ARREAU - Accelerating Resource Recovery from Water Cycle (AG108)**
- **Anaerobic Membrane Bioreactor for Recovery of Energy and Resources (AG036)**

- The overall aim is to pool national research efforts
- Development of a shared vision and strategic research agenda
- 19 partners, 5 observers
- Joint activities include joint calls
- Research areas addressed:
 - ✓ **maintaining ecosystem sustainability**
 - ✓ **developing safe water systems for the citizens**
 - ✓ **promoting competitiveness in the water industry**
 - ✓ **implementing a water-wise bio-based economy**
 - ✓ **closing the water cycle gap**



European
Commission

Horizon 2020

SC5 Work Programme 2014-2015

Focus Areas:

Water



Waste





WATER-1b-2015

Bridging the gap: from innovative water solutions to market replication

Specific Challenge:

Need to accelerate the commercialisation of eco-innovative water solutions

Scope (see call text):

- Demonstration/pilot activities in a real environment
- Focus on the cross-cutting and thematic priorities of the Water EIP

Stage 1 21-04-2015 @ 17:00:00 (Brussels)

Stage 2 08-09-2015 @ 17:00:00 (Brussels)

Indicative budget: 45 M€

IA
70%



WASTE-7-2015

Ensuring sustainable use of agricultural waste, co-products and by-products

Specific Challenge:

Need to address agricultural waste and by-products in environmental and economic terms

Scope (see call text):

- Crop as well as livestock production
- To evaluate existing techniques
- To develop new and innovative approaches

Stage 1 21-04-2015 @ 17:00:00 (Brussels)

Stage 2 08-09-2015 @ 17:00:00 (Brussels)

Indicative budget: 14 M€

RIA
100%



- Bottom-up approach within the frame of the societal challenges and enabling technologies;
- 3 phases:
 - 1 Concept and feasibility (50 kEUR)
 - 2 R&D demonstration (0.5 – 2.5 MEUR)
 - 3 Commercialisation
- Continuously open call with around 4 cut-off dates per year
- Only SMEs allowed to participate and to apply for funding and support (EU-based or from Associated countries)
- Minimum condition: participation of one SME
- Support for closer-to-market activities (70% co-funding)



SC5-20-2014/15 Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials

SC-5: First cut-off date for Phase 1:

248 proposals received, 12 funded, success cca 5%

(poultry manure valorisation, sewage sludge HTC, biowaste composting, humic fertilisers from biogas digestate)

SC-5: First cut-off date for Phase 2:

30 proposals received, 4 funded, success cca 13%



- Any field under "LEIT" or under Societal Challenges
- Maximum of 5 legal entities per project, meeting at least one of the conditions:
 - ❑ At least 60% of the overall budget to industry partners (private for-profit organisations)
 - ❑ Min number of industry participants 2 (of 3-4) or 3 (of 5)
- All partners established in the EU or associated countries
- Maximum EU contribution per project 3 M€
- Proposals shall include business plan
- Three cut-off dates: 29/04, 01/09, 01/12
- Total budget 100 M€

IA
70%

Details: <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/9096-ftipilot-1-2015.html#tab1>



Prospects for water R&I in the 2016-2017 Work Programme

- *Water identified as an area for support in the context of the SC5 public consultation*
- *Maintain the momentum of the Water Innovation FA promoting investment in innovative solutions*
- *Putting water in the center of a systemic approach for eco-innovation and circular economy*
- *Large-scale demonstrators*



HORIZON 2020

**Thank you
for your attention!**

Find out more:
www.ec.europa/research/horizon2020