Wetsus: European Centre of Excellence, built on synergies

SYNERGIES BETWEEN ESI FUNDS AND HORIZON 2020
October 11, 2016

Johannes Boonstra
Member Executive Board
Water Technology aspects

- >€500 billion/year market growth >10%
  - drinking water, sewer treatment
  - oil & gas
  - food & beverage
  - agriculture
  - biobased industry

- nano technology
  - bio-sciences
  - materials
  - separation technology
  - electro-chemistry

- health/environment
  - greenhouse gasses
  - water shortage
  - depletion of resources
  - millennium development goals

business

research

society
Wetsus: Top research by unique European bundling of know-how disciplines

- 22 universities, 55 scientific chairs
- 105 companies
- 23 themes

Wetsus is a facilitating intermediary for trend-setting know-how development in the field of sustainable water treatment technology
Innovation chain

- Export
- Market demand
- Ideas
- Research
- Cooperation
- Applied research
- Launching customer
- Demo sites
- Water application center
Wetsus European CoE model

- Synergy in EU programs
- European network for water companies
- Meeting place for researchers
Creating synergy in EU funding

Technology Readiness Level

Talent
- Marie Skłodowska-Curie Actions

Regions
- European Regional Development Fund

Research
- HORIZON 2020

Other
- erc
- eit
- Interreg
- Life
- Wetsus
Synergy in funding (2003-2017)
Ingredients for a EU-CoE:

1. High trust:
   • Equal rights for SMEs and Multinationals
   • Strict and Clear IP Regulations

2. Long-Term Public and Private Commitment

3. Multidisciplinarity

4. Innovation Ecosystem

5. Focus on Global Impact, with commercial and societal relevance
1) High Trust: Equal Rights for Multinationals and SMEs
1) High Trust: Strict and Clear IP Regulations
2) Long-Term Public and Private Commitment
3) Multidisciplinarity
4) Innovation Ecosystem
5) Focus on Global Impact

Water & Oil
5) Focus on Global Impact

Water & Energy
<table>
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Outcomes: Inspired Talent

lifelong learning

Primary education:
- 3 Water Days
- 8+ Program
- Water Wonder Lab

Secondary education:
- Honours program
- Teaching material
- Profile Selection Test

Vocational education:
- Training and education professionals
- Empowering vocational education

Applied sciences water:
- Bachelor of
- Environment
- Biotechnology
- Chemical Engineering

Master water technology:
- MSc Water Technology (joint degree)

PhD:
- Research schools

Business education:
- MBA Program
- Masterclasses
- Business Challenge

Wetsus
Outcomes:
Growth and Jobs for the region (and beyond)
Connecting with European regions

Realised

- Minho (PT)
- Riga (LV)
- Zagreb (HR)
- Nord-Est
- Romania (RO)
- Budapest (HU)

Foreseen

- Slovenia (SI)
- Southern-Moravia (CZ)
- Lodzkie (PL)
- Lithuania (LT)
- Estonia (EE)
- Crete (GR)
- Murcia (ES)
- Puglia (IT)
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- the Dutch Ministry of Infrastructure and the Environment
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- the City of Leeuwarden, the Province of Fryslân
- The Netherlands Organisation for Scientific Research (from 2017 onwards)