

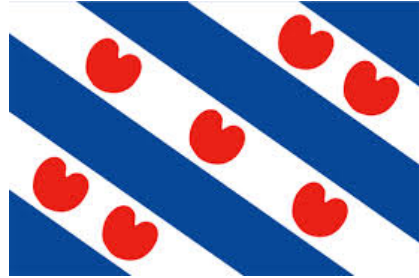
Higher Education in Smart Specialisation (HESS)

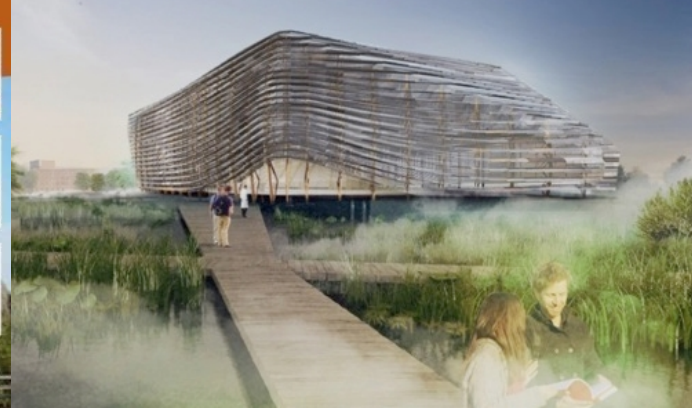
ADR Nord-Est
Unirea Hotel, Iași
2016-06-07

Pieter de Jong
Wetsus EU Office
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ADR  [®]
Agenția pentru Dezvoltare Regională
N O R D - E S T

Fryslân: land of Milk & Water



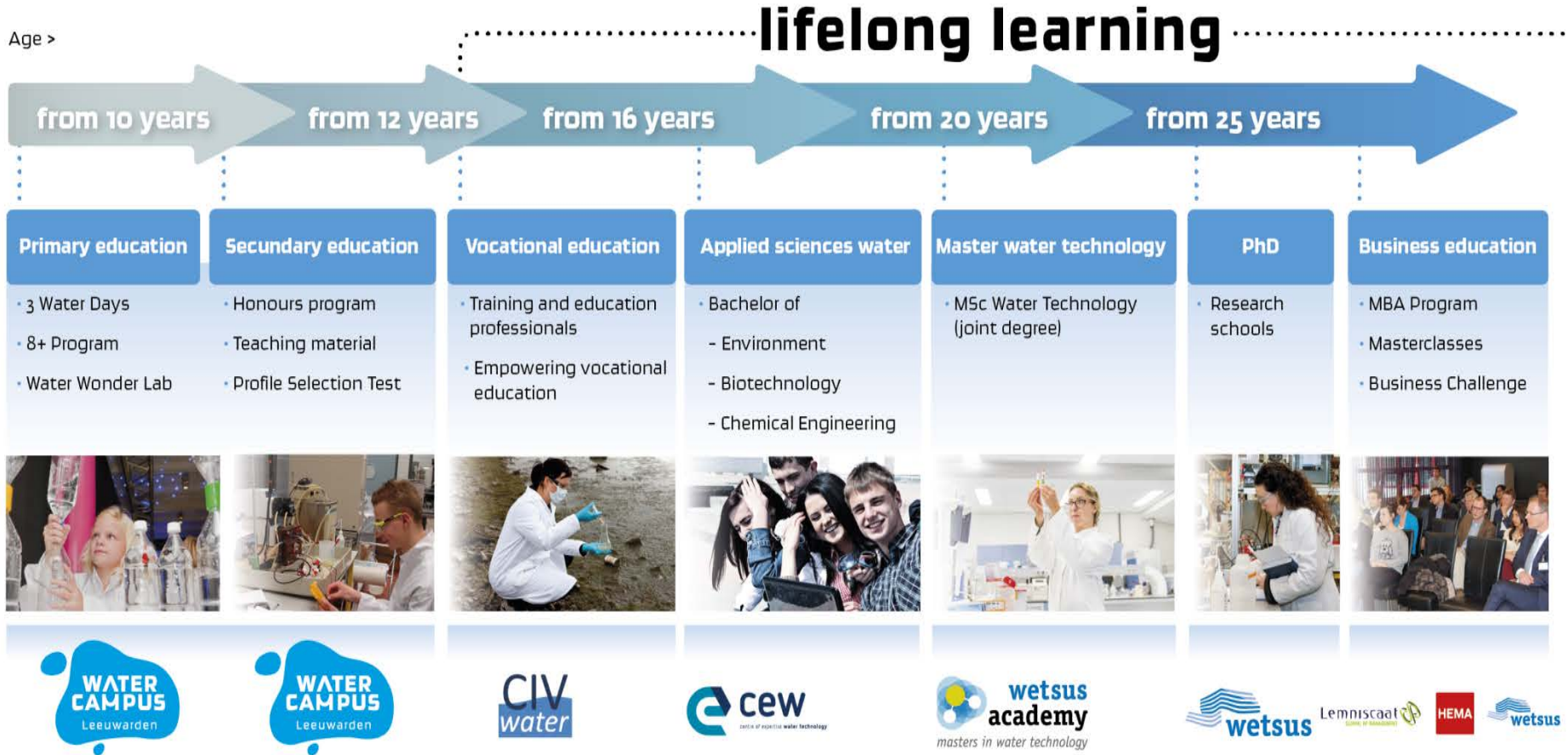


WATER CAMPUS

Leeuwarden



Connecting Talent



Talent Program

Wetsus Interactive Excursions

- 120 schools per year
- Excursions to water companies
- Educate Teachers

Excellent program

- Top talented students (300 kids)
- Advanced program water technology



Secondary schools

Practical toolkits Water

- Chemistry
- Physics
- Biology

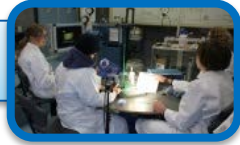
200 schools



Secondary Education: Honours Program Water

Age →

10



Water Learning Programme

25

Excellent program in waterlabs
Wetsus/WAC (300 students)

- Start : 14 years
- Strict selection criteria
- WaterCampus Facilities

Water experts

- Supervise student projects



Upgrading to international science fairs

- Stockholm Junior Water Prize
- ESE 2014 Slovakia
- Google Science Fair



High Tech Systemen en Materialen

Life Sciences & Health



Agro&Food



Water



Energie



Chemie



Tuinbouw en
Uitgangsmaterialen



overheid



Creatieve Industrie



bedrijven



Logistiek



Programme Applying Top Technology



platform
Bèta Techniek



hbo centres of
expertise
mbo centra voor
innovatief vakmanschap

ROC



nordwin COLLEGE AOC

Laboratory technician

Analist: medical, biological, chemical
Lab worker

Food & Technologie

Operator, level 2, 3 and 4, Food specialist,
Food Manager, Quality Coordinator
Tailor-made courses

Process technician

Technical operator
Process technician

Water and Environment

Environmental mgmt, Environmental Officer
Water management, Water Technology



CIV
water

CIV Food

*Energy
College*

Strengthening regular education



- Day school (BOL) and Part time (BBL)
- Quality
- Increase recruitment intake
- **MBO minors for many topics**
- Innovative projects
- Efficient route to HBO (CEW)

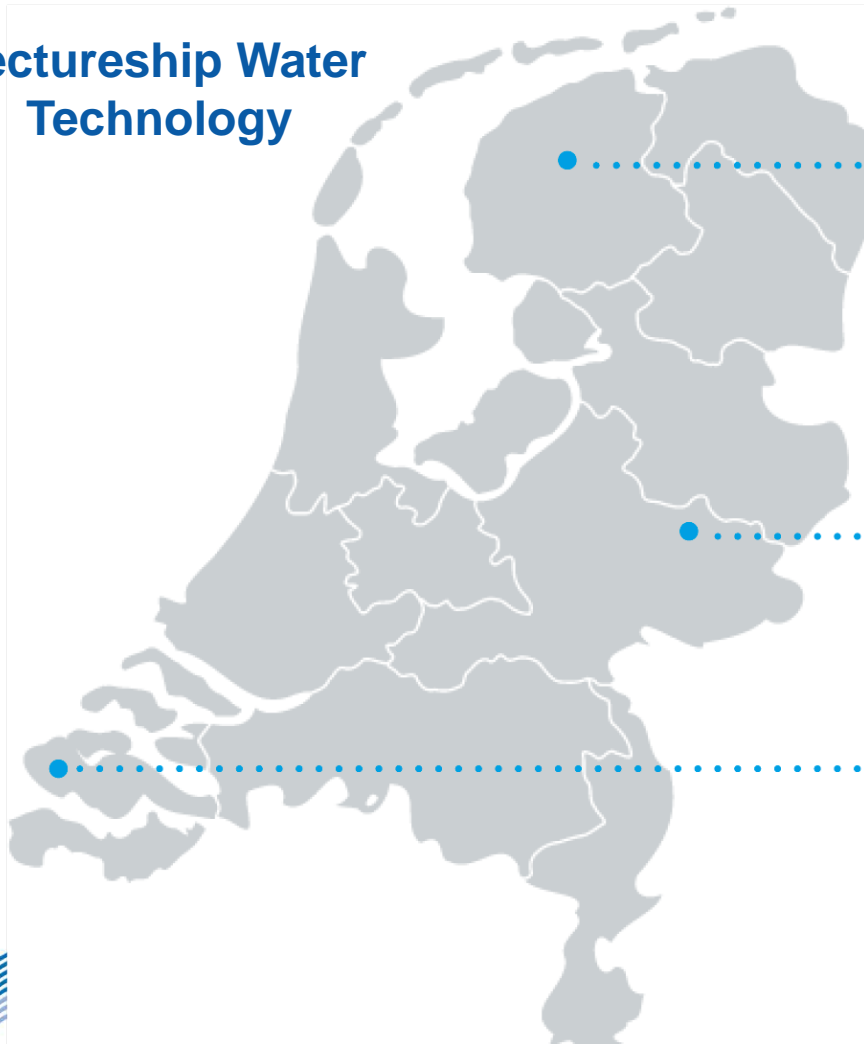
Tailor-made Training



- (Re)training, Life Long Learning
- Quality
- Flexible and tailor-made
- Developed in partnership
- Innovative projects

Lector network water technology applied research

Lectureship Water Technology



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Water Application Centre



Demosites to facilitate scale up of technologies

WetSalt
Desalination /
Blue Energy



Municipal Waste
Water Treatment

Hospital Waste
Water

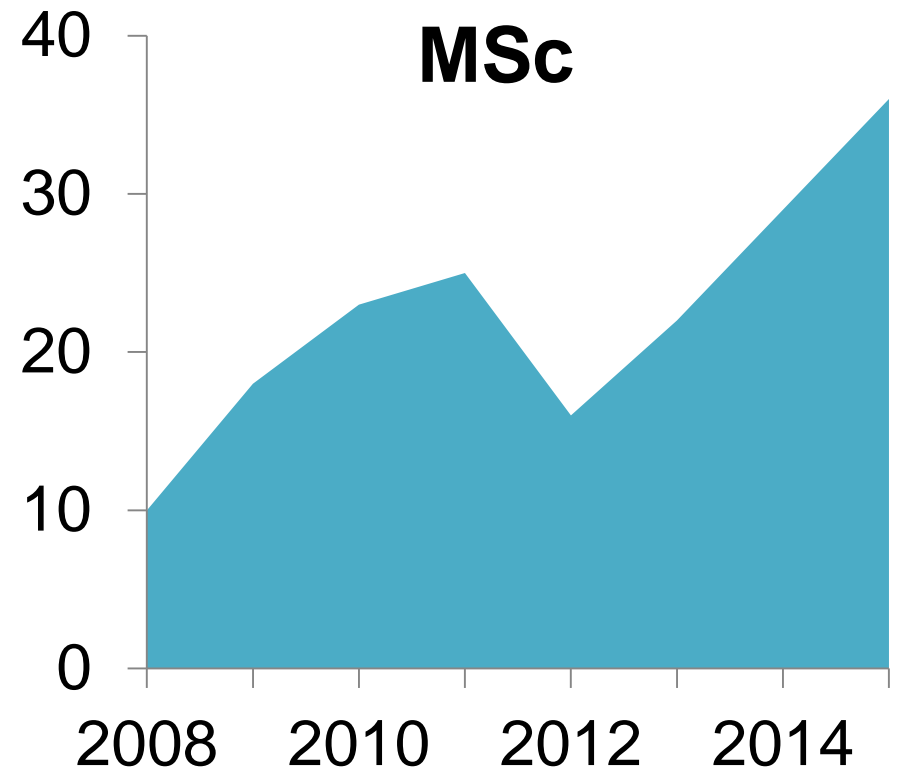
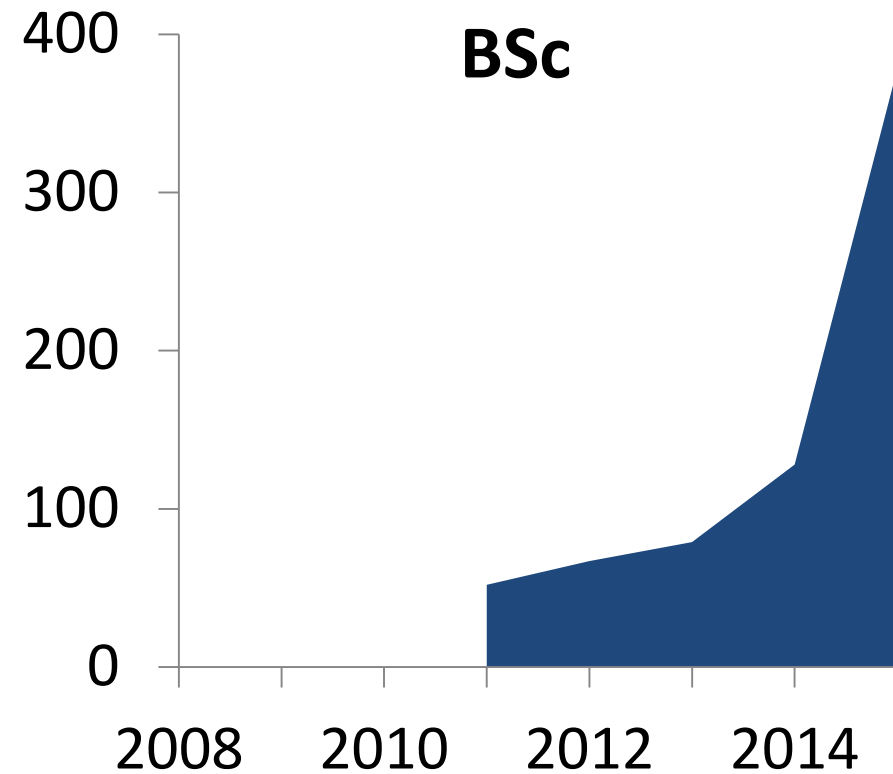


Drinking Water+
Distribution

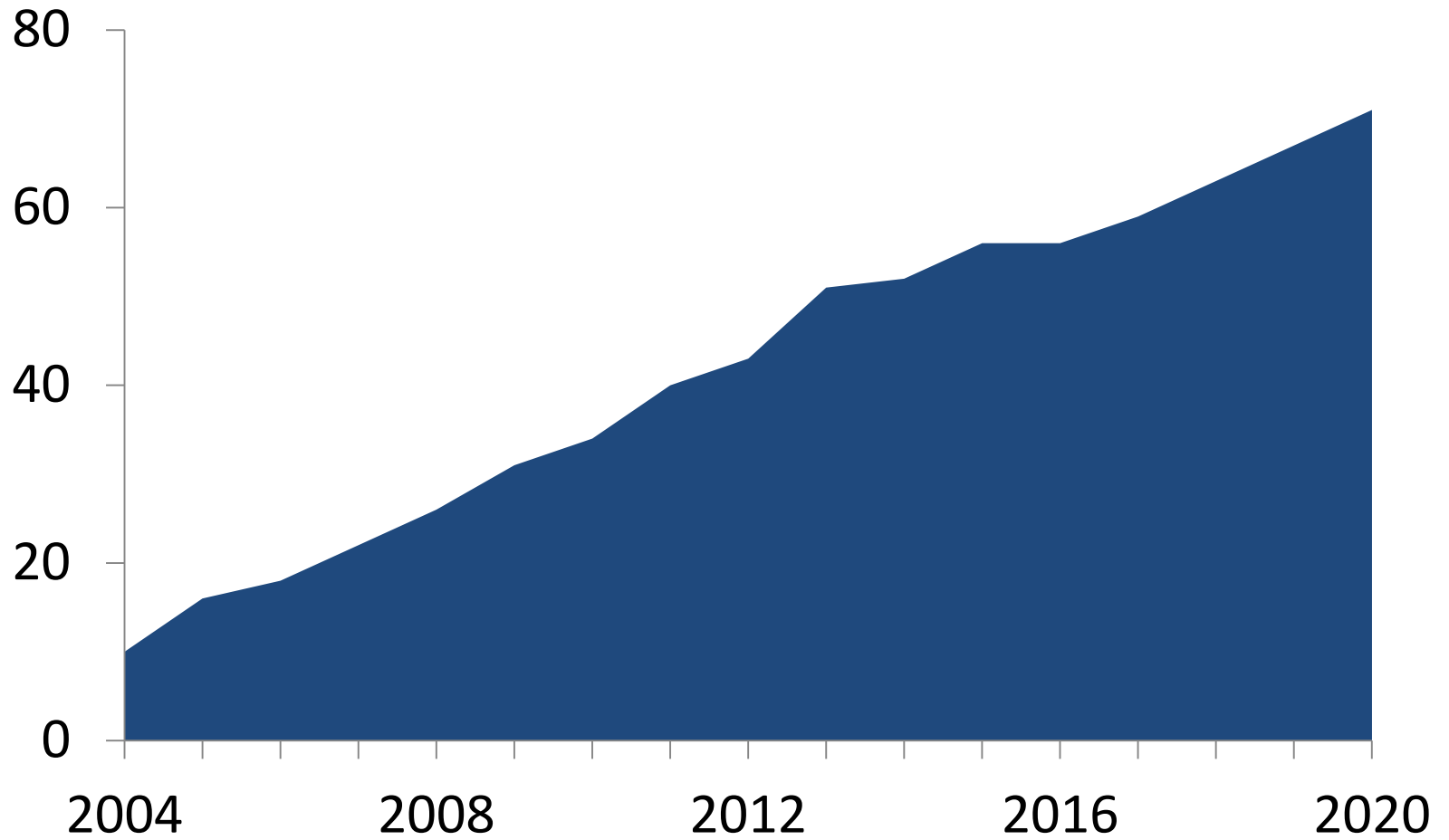


Sensing

Water students in Leeuwarden



PhD's at Wetsus



Co-funding of regional, national and international programmes

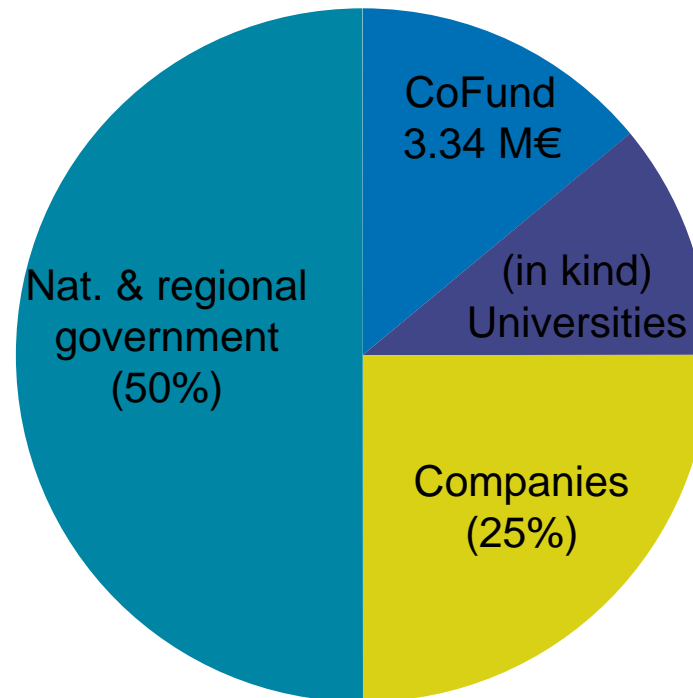


Marie Skłodowska-Curie Actions

2015 – 2020

10 co-funded PhD's/year

3.34 M€





[Home](#) | [Research projects](#) | [Our offer](#) | [Recruitment Procedure](#) | [How to Apply](#) | [WaterSEED](#)

Research projects

- 1.1 [Extracting selectively metals from waste water using green organic solvents](#) – chemistry, chemical engineering - For this project we will look for collaboration with a Dutch or European university
- 1.2 [Recovery of valuable polymeric solutions by lowering the salinity using electrodialysis](#) – physical chemistry or chemical engineering - Promotor: Prof.dr.ir. Huub Rijnaarts (Wageningen University, Environmental Technology)
- 1.3 [Sodium selective removal from irrigation water](#) - chemistry or chemical engineering
Promotor: prof. dr. Francesco Picchioni (University of Groningen, Department of Product Technology)
- 1.4 [Electrochemical sewage water treatment to remove and recover phosphate](#) - chemistry, chemical engineering - Promotor: Prof.dr.ir. Cees Buisman (Wageningen University, Environmental Technology)
- 1.5 [Adaptive pores in next generation membranes](#) - (chemical) engineering - Promotor: Prof. dr. ir. Rob G. H. Lammertink (University of Twente; Soft Matter, Fluidics and Interfaces)

[Research facilities](#)
[Wetsus Science&Technology](#)
[Newsletters](#)
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[Publications](#)
[PhD students experiences](#)

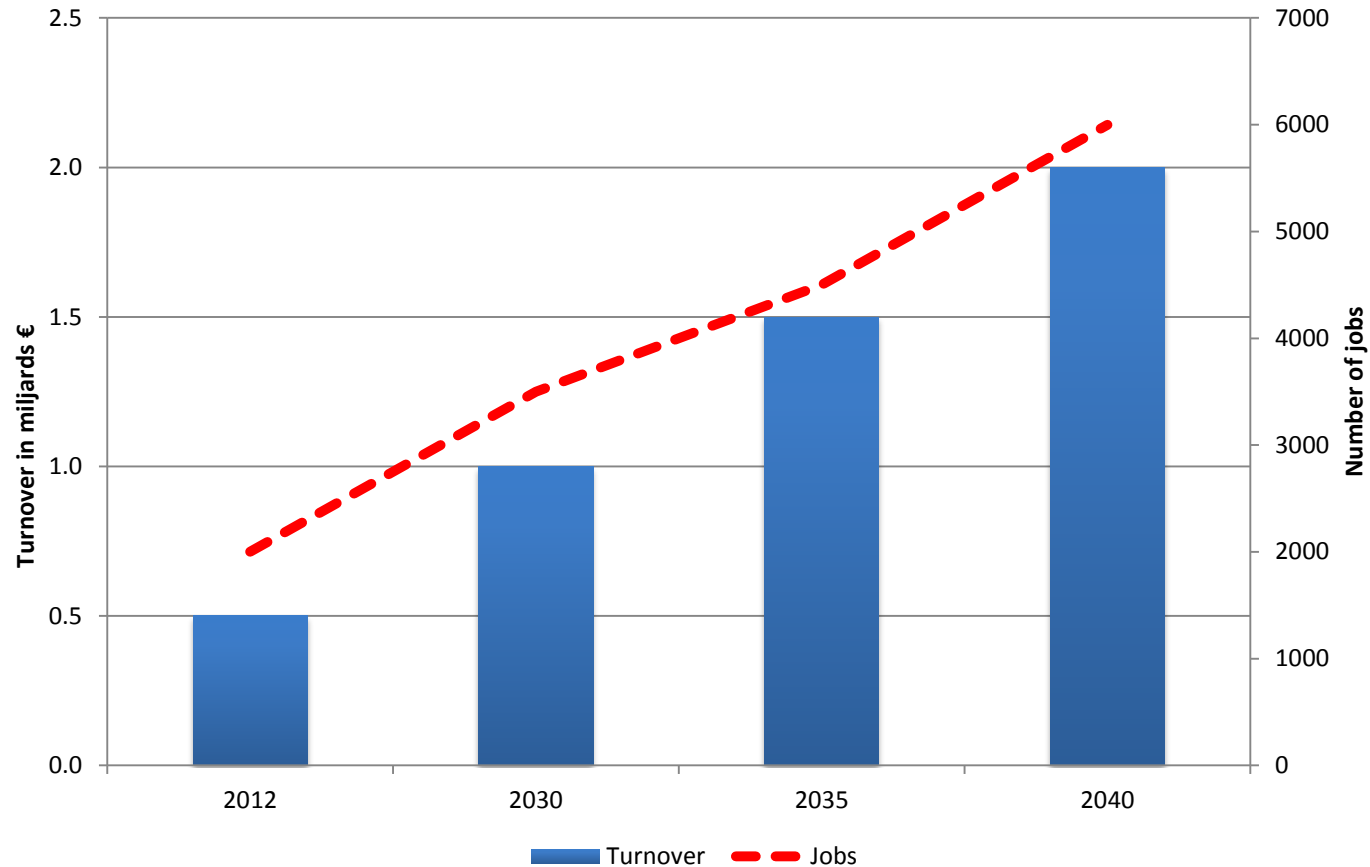


21 projects

WaterCampus Water Business Challenge



Talent needed create Growth and Jobs



www.wetsus.eu
www.watercampus.nl
www.topsectorwater.nl

Wetsus is co-funded by:

- the Dutch Ministry of Economic Affairs (TKI-Topsector Water, Peaks in the Delta)
- the Dutch Ministry of Infrastructure and the Environment
- the European Union (European Fund for Regional Development and Seventh Framework Programme), investing in your future
- Northern Netherlands Provinces (REP-SNN)
- the City of Leeuwarden, the Province of Fryslân and University Campus Fryslân



Ministry of Economic Affairs



Ministry of Infrastructure and the
Environment

