

# WIRE 2016

## Widespread Brokerage

Muziekgebouw Eindhoven  
Heuvel 140, 5611 DK Eindhoven  
2016-06-08

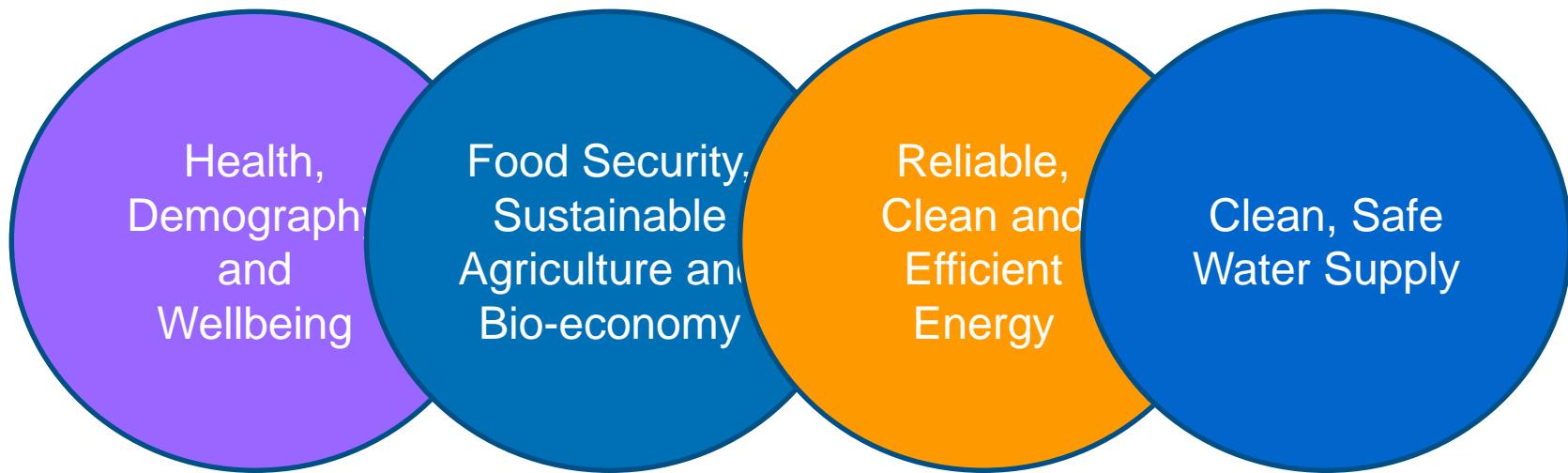
Pieter de Jong  
Wetsus EU Office  
[pieter.dejong@wetsus.eu](mailto:pieter.dejong@wetsus.eu)



combining scientific excellence with commercial relevance



# RIS 3 Northern Netherlands: Health, Food, Energy and Water



# Fryslân: land of Milk & Water

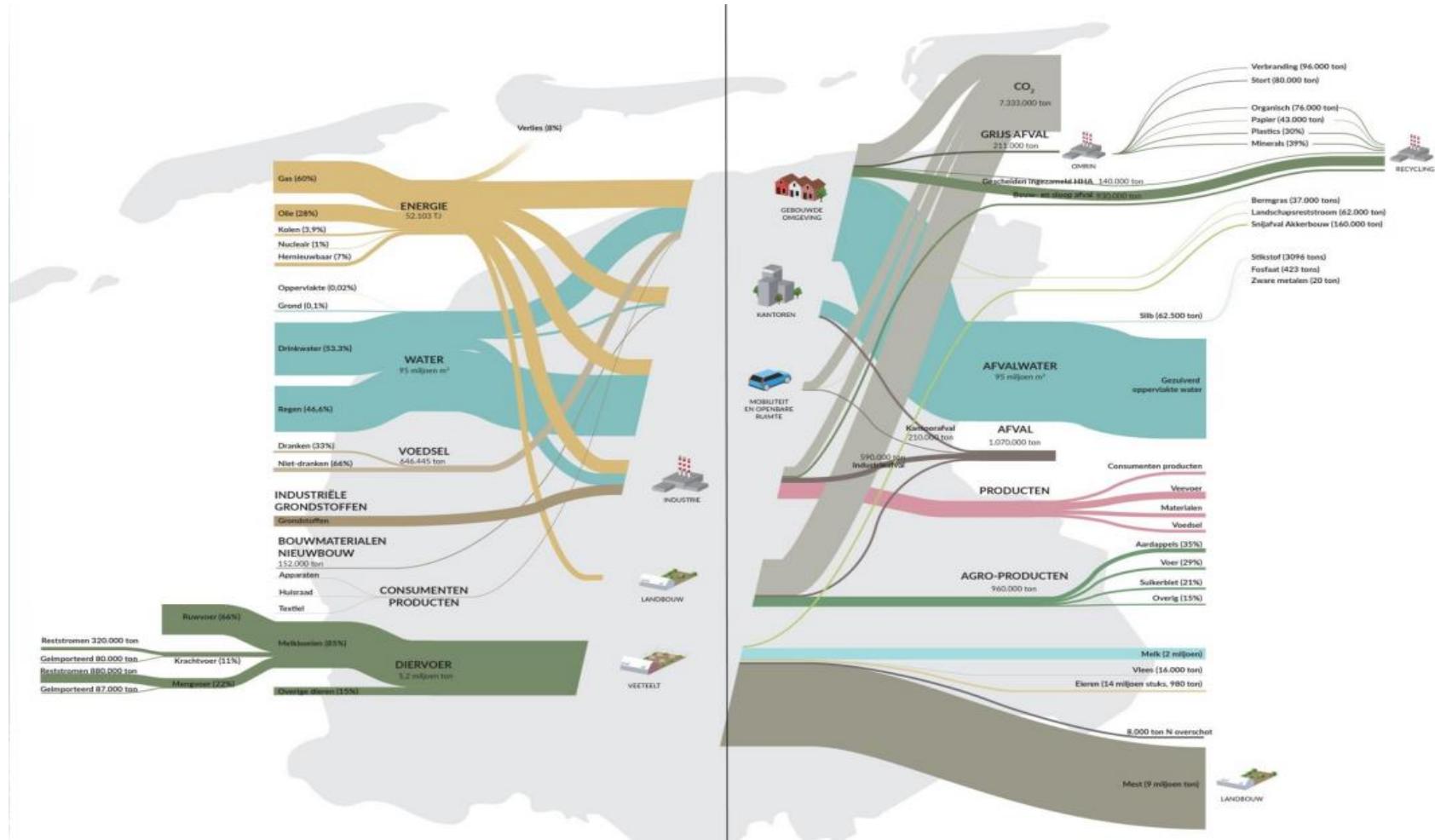


# Water in the Circular Economy

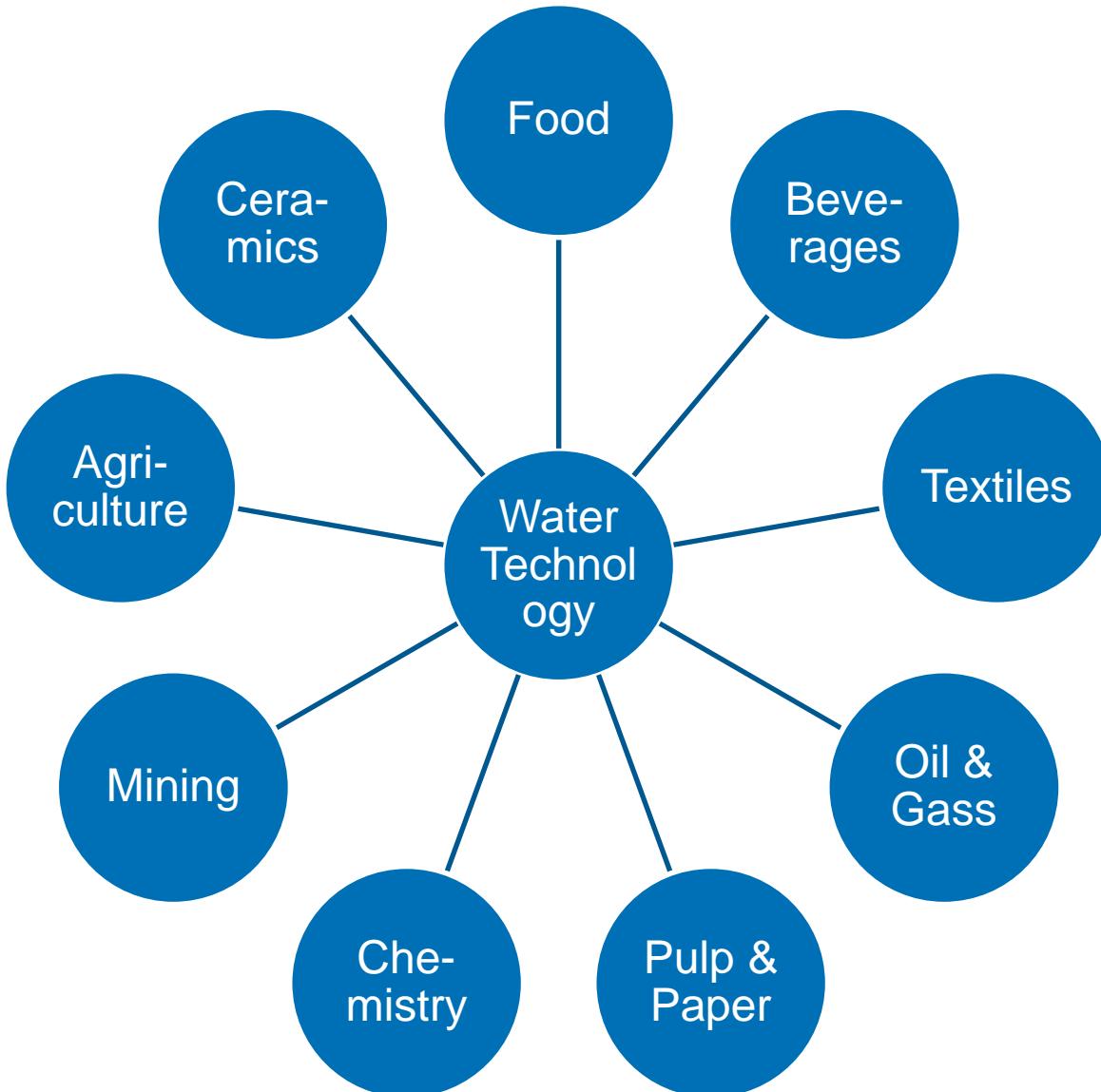
“Water is the single most important shared resource across all supply chains, and wastewater is the largest untapped waste category—as big as all solid-waste categories taken together—it is the natural starting point for the circular revolution.”

Stuchey, McKinsey company

# Circular Economy: Fryslân



# Cross-Overs



# Wetsus Company Participants

ABENGOA WATER



AQUACARE® EUROPE BV



ARCADIS  
Infrastructuur, milieu, gebouwen



kemira



NESTE OIL

Oaseo

Paqell.



SOMUT

stowa  
STICHTING TOEGEPASD ONDERZOEK WATERBEHEER

TROJAN UV



Vitens



Waterbedrijf Groningen

wln  
waterlaboratorium noord

WMD water

WATERSCHEP Hunze en Aa's

Waterschap NOORDERWIJZVEST

WETTERSCHIP FRYSLÂN

wetsus

# Companies from other countries

## UK

Anglian Water  
HAPPS  
Mast Carbon  
Berson UV

## USA/Canada

General Electric  
DOW  
DC Water  
Trojan UV

## Japan

Fuji  
Kurita  
Kuraray

## Ireland

O<sub>2</sub>Environmental  
Spain  
Abengoa

## Germany

Skion  
Esco Salt

## France

Veolia Eau  
Aqua Nirvana  
Laborelec-Engie

## Austria

IPF  
SNT

## Finland

Kemira  
Neste Oil

## Denmark

Grundfos

## Saudi Arabia

Sabic

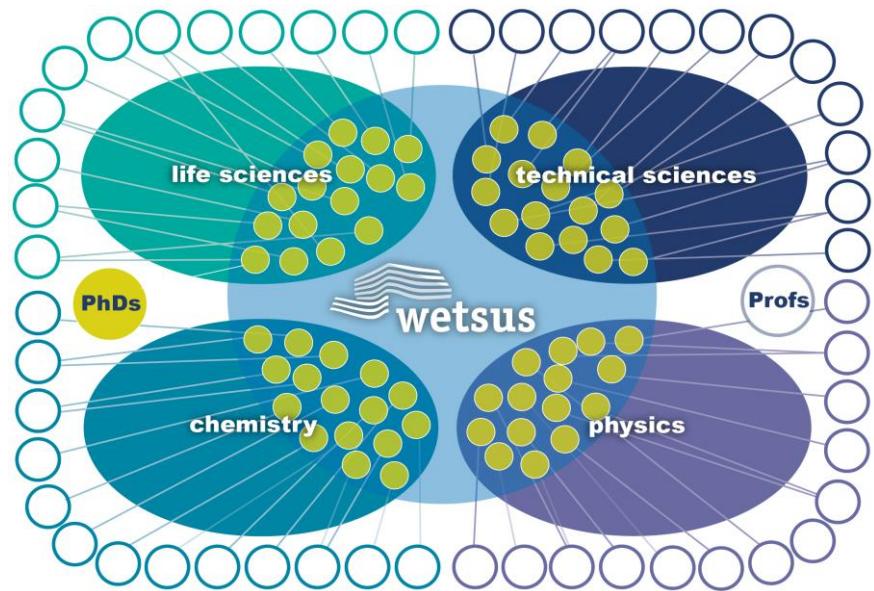
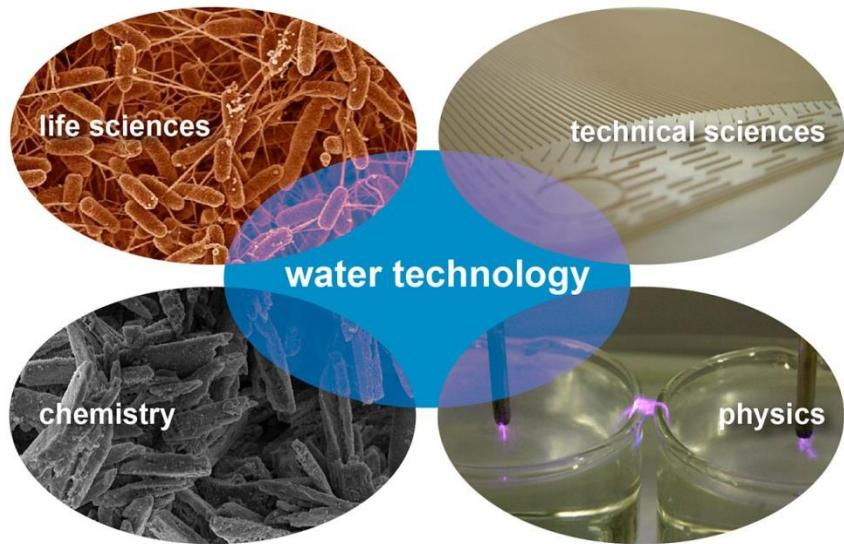
## Israel

ICL

## Norway

Yara

# Wetsus Science Model



# European Centre of Excellence



2003



2016

# Connecting Talent

Age >

## lifelong learning

from 10 years

from 12 years

from 16 years

from 20 years

from 25 years

### 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

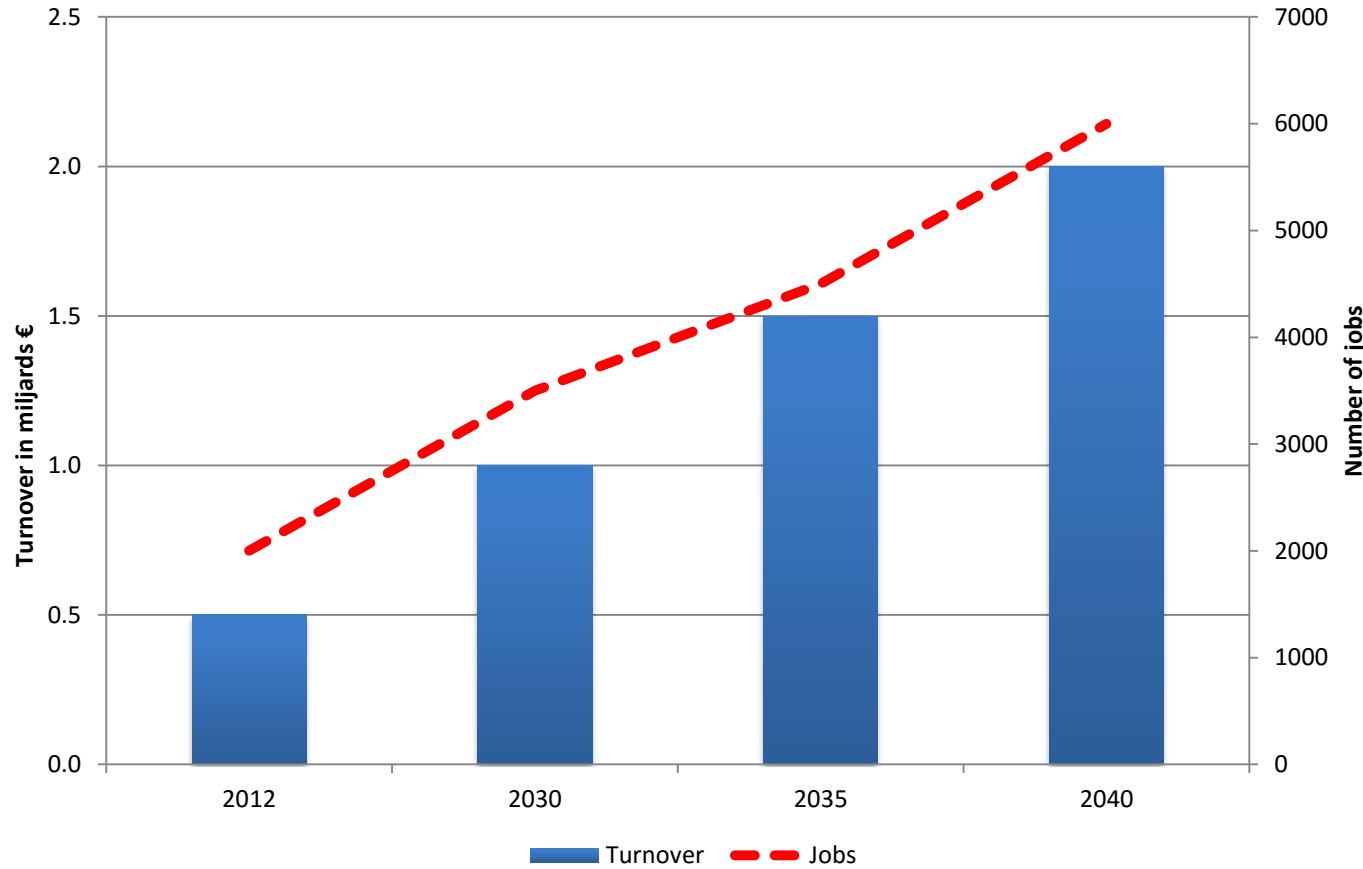


# Creating Spin-Offs

## Wetsus spin-off companies

- |                     |  |
|---------------------|--|
| • REDstack          | • Automatic Electric Europe Special Products |
| • DeSaH             | • HydrOwashr                                 |
| • Westt             | • Salttech                                   |
| • Aqua Explorer     | • Biotrack                                   |
| • Dutch Rainmaker   | • TailTec                                    |
| • EasyMeasure       | • ExtIns Technologies                        |
| • Water ProMaSys    | • Aiforo                                     |
| • Capilix           | • Duplaco                                    |
| • Pure Green        | • Somut                                      |
| • Smart Frequencies | • Wisect                                     |
| • Water Waves       | • Djipper                                    |
| • Metal Membranes   | • High Voltage Water                         |
| • AquaBattery       |  |

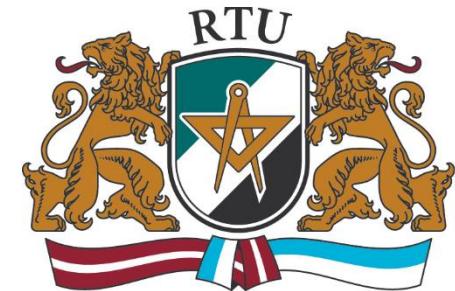
# RIS3 Creates Growth and Jobs



# Seal of Excellence



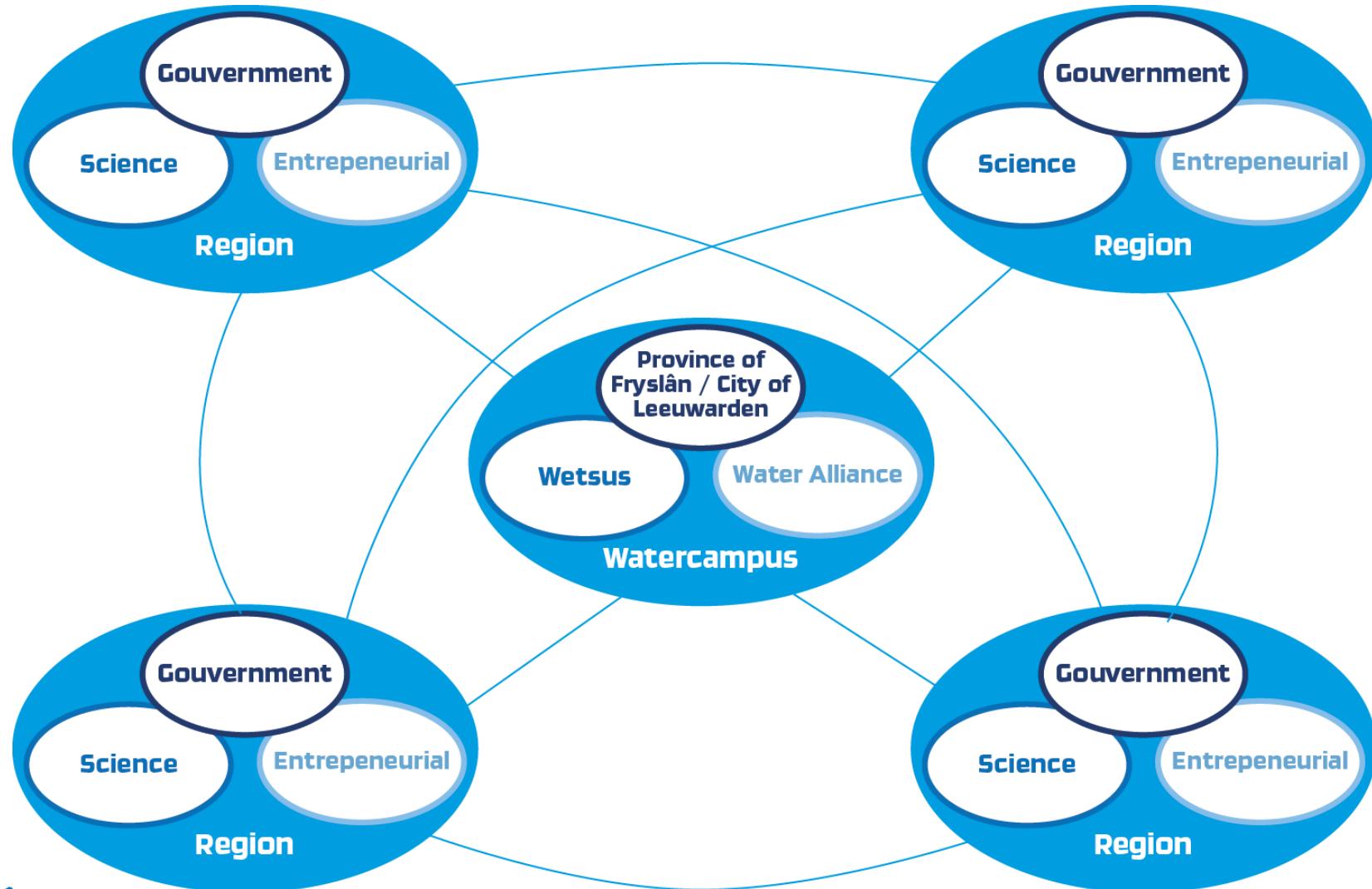
Teaming: RTU-Wetsus  
*Center of Excellence for Smart Engineering Technologies*



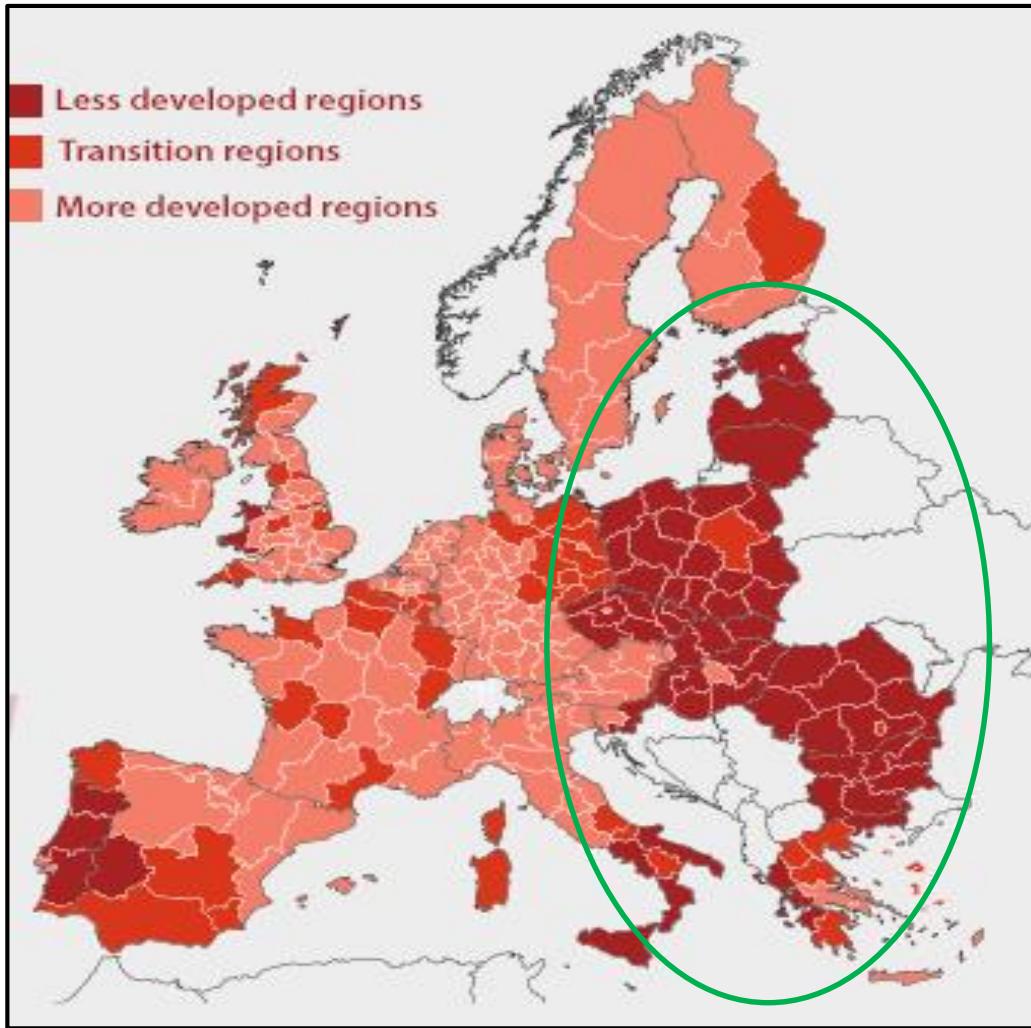
*hydrōwashr*



# Widening Participation and Spreading Excellence



# Looking for Partner Regions:



**[www.wetsus.eu](http://www.wetsus.eu)**  
**[www.watercampus.nl](http://www.watercampus.nl)**  
**[www.topsectorwater.nl](http://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

