

Water and Water Quality: Collaborative Innovation 4 Food Production

Theme: Soil and water management in
rainfed agriculture

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An independent research institute



1048
employees



47
nationalities



237M€
revenues



24
patents/year



281
publications



11/3
11 sites on
3 continents



Multidisciplinary



Science-based



Demand-driven and beyond state-of-the-art



Collaborative

That is how we
create **impact**

Water & VITO

- Decouple water availability from economic growth
- Demand Driven Research
- Partnerships in open innovation context
- Living Labs and demonstration



Society



Economy

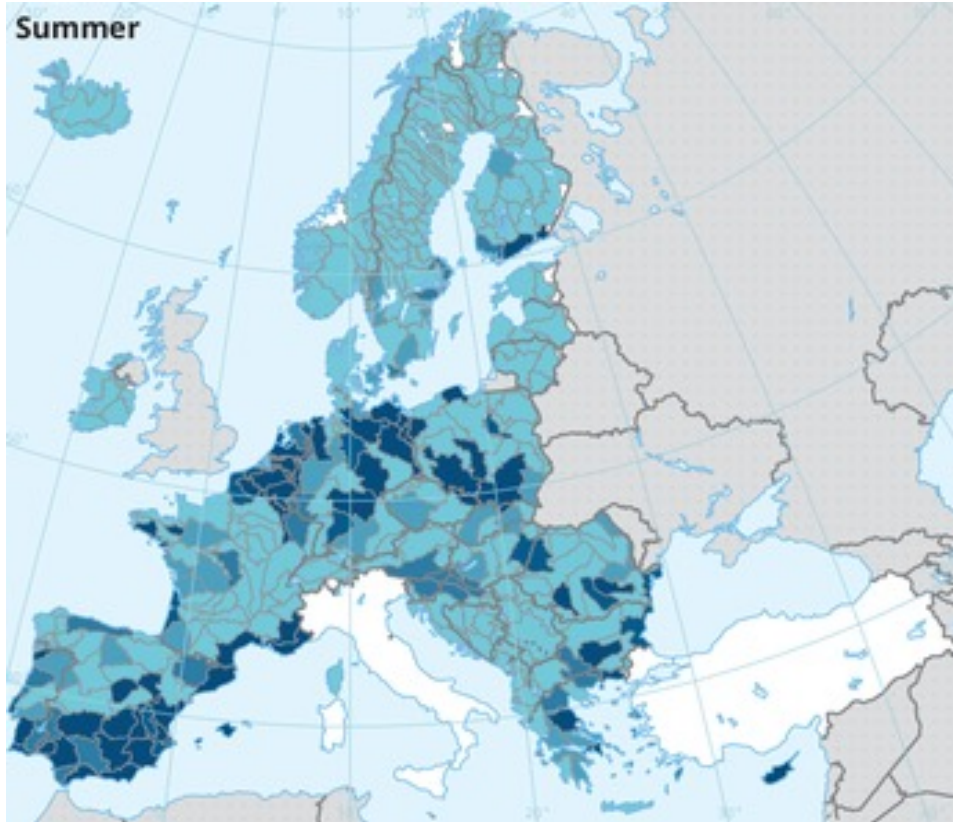


Excellence



LECTUR.

Water Quantity challenges



Seasonal water scarcity conditions across Europe, measured by the water exploitation index plus (WEI+) for sub river basins, 2019

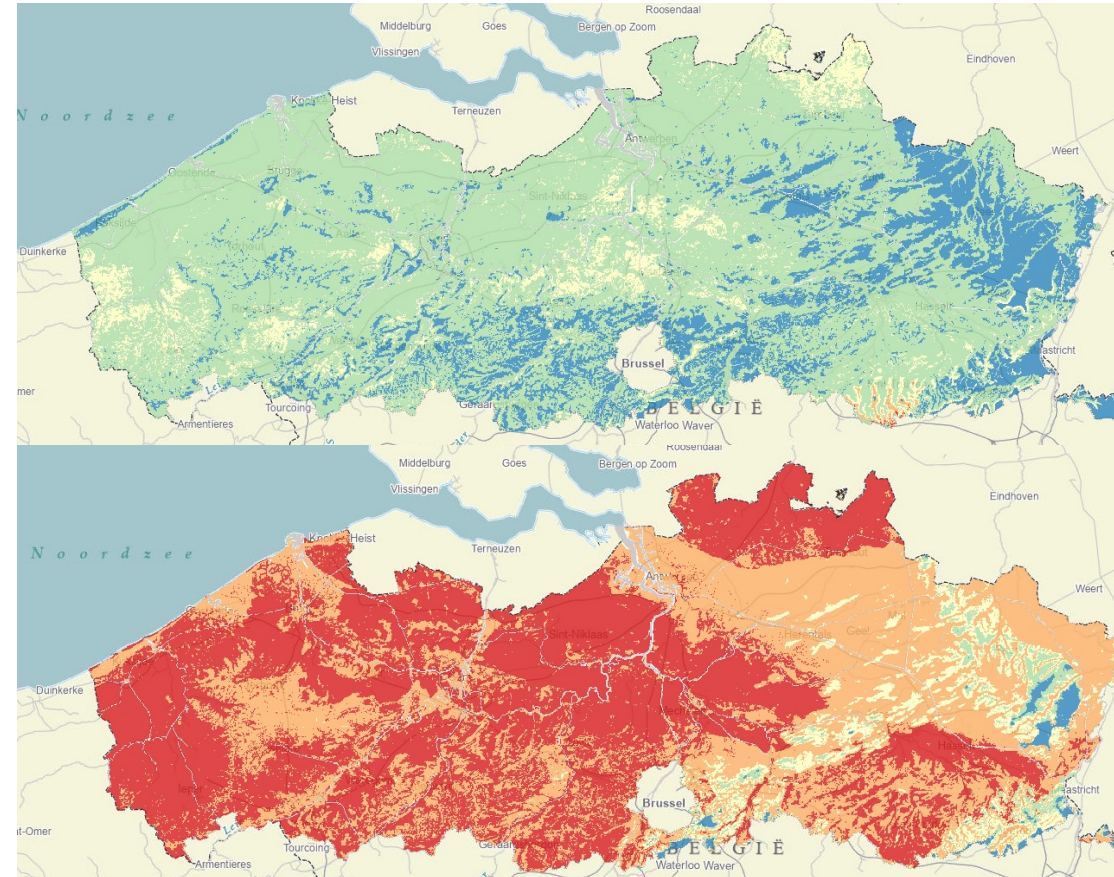
Percentage



□ No data □ Outside coverage

0 500 1,000 1,500 km

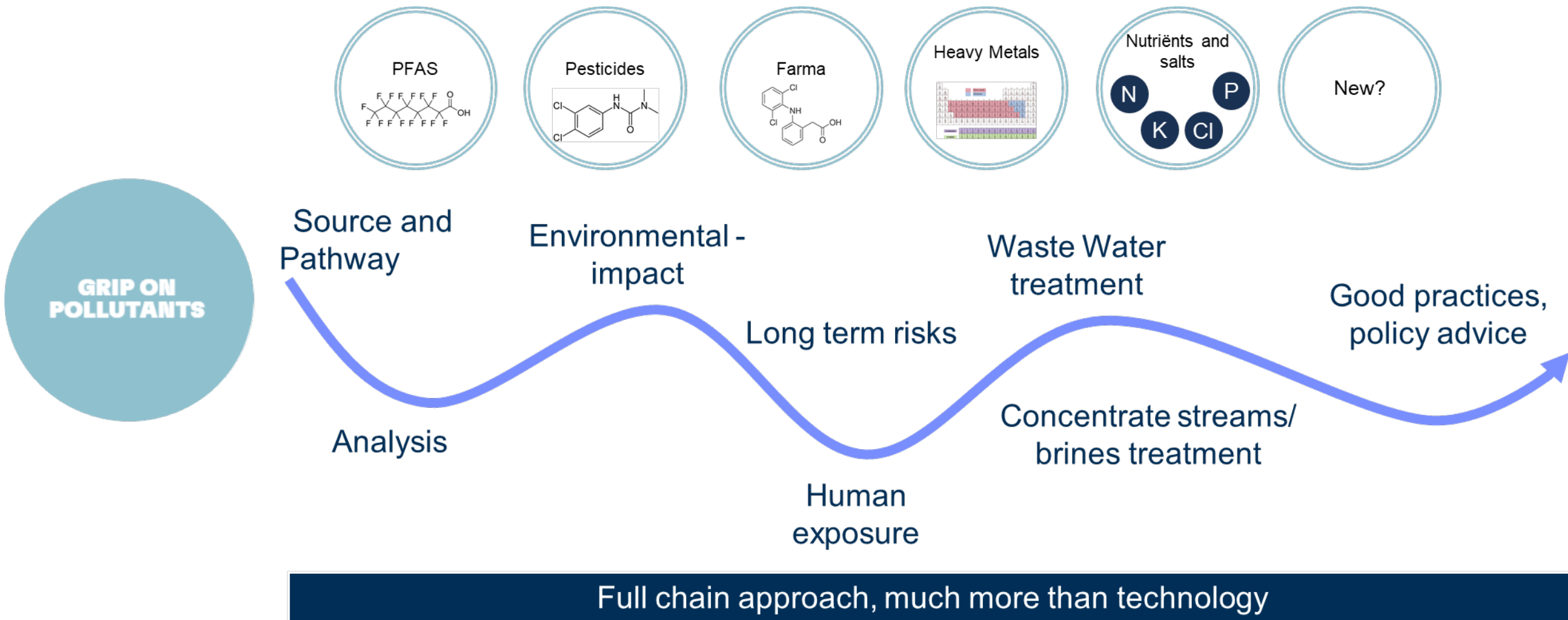
Groundwater levels in 2050 (blue-green: increase; yellow-orange-red: decrease)



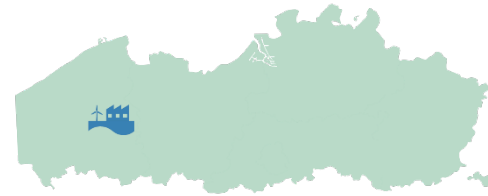
Climate portal – klimaat.vmm.be



Water Quality challenges



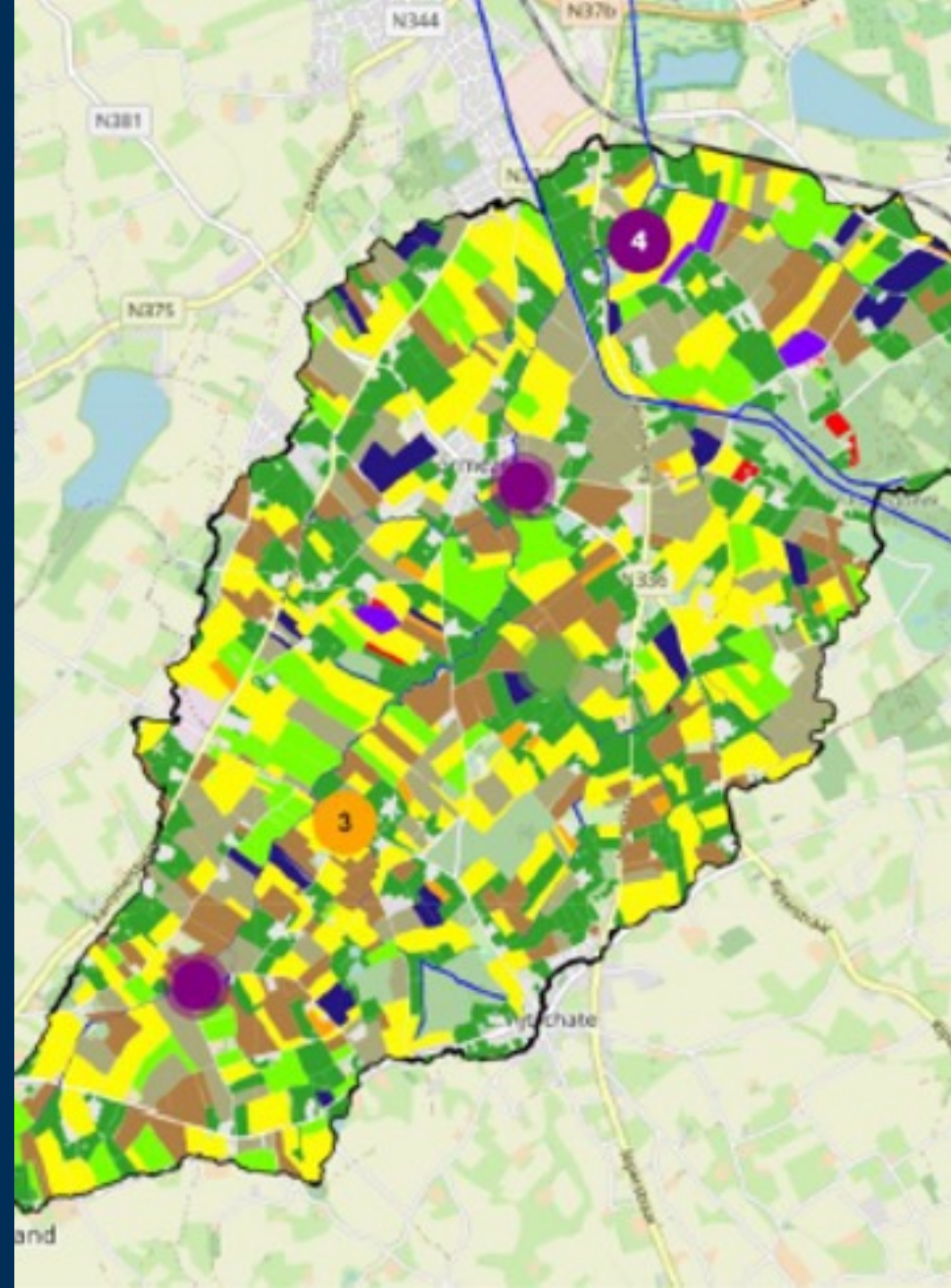
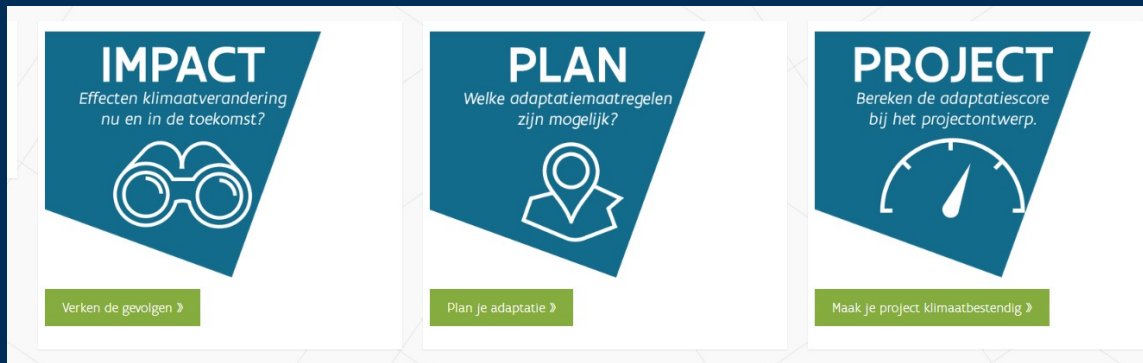
Waterproof – co creation



- Improved water management at industrial site: buffer rainwater for agricultural purposes
- Interactive sessions to explore regional synergies
- Industry, government, farmers, fire brigade and citizens take a shared responsibility
- Co-creation and open communication is key

MAKE PEOPLE SEE THE BIGGER PICTURE !

From data 2 information



Water Quality Lake Tanganyika



Enabel is coordinator

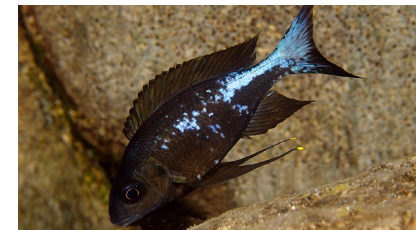
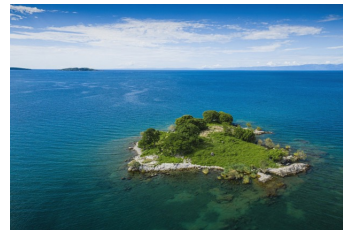
Water Monitoring Network and Lake Tanganyika Water Portal

Evaluation of the analytical capacities of the laboratories

Selection of quality monitoring parameters

Remote sensing – Water Quality data

Food Security



Water4all: R&D

Funding & agenda setting



VEG-i-TEC



WaterClimateHub

Living Labs



Capacity building

NEXUS / system thinking

from ripple to waves

Internationalisation



Strategic focus:

India, China, Sub-Sahara → update ongoing



Horizon Europe



Thanks & Questions ?

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