

A close-up photograph of a hand cupping water, with water splashing upwards. The image is overlaid with a dark blue diagonal gradient that covers the right side of the slide.

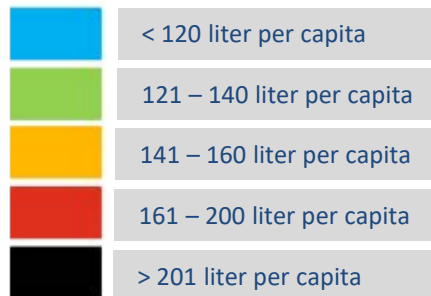
THE VALUE OF WATER(S): STRATEGIES TO REDUCE IMPACT ON FRESHWATER RESOURCES

**THE NEW EU REGULATION ON WATER REUSE -
POTENTIAL AND CHALLENGES**

The experience of water utilities

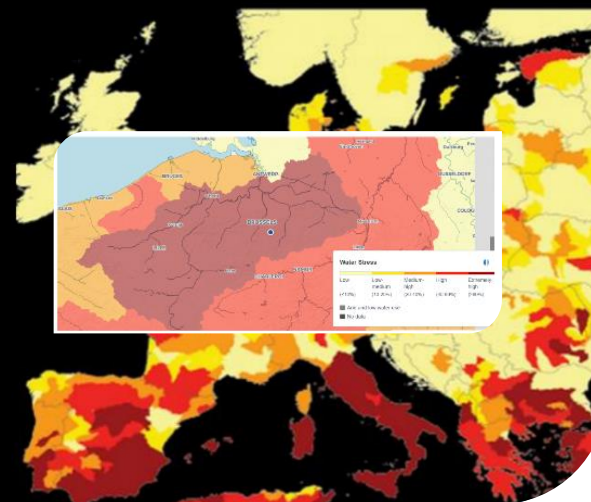
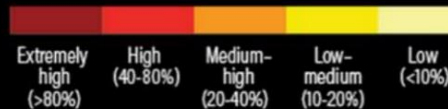
by Eddy Troosters, CEO Pidpa

Water - use versus scarcity

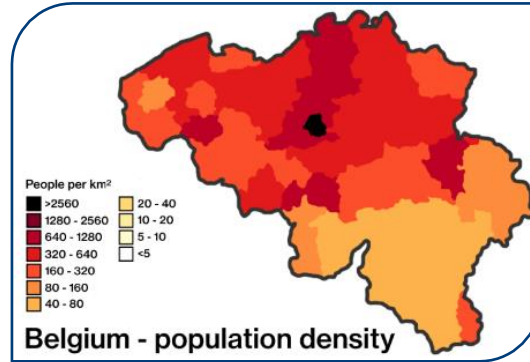


Average use of
tap water per day

BASELINE WATER STRESS



Flanders – causes for scarcity



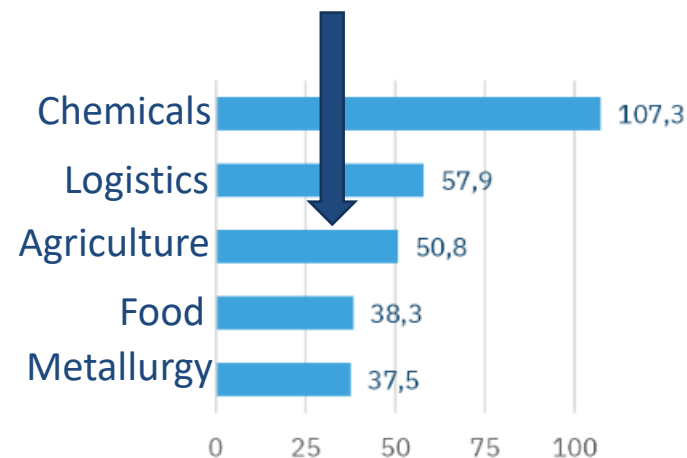
Socio-economic importance in Flanders



1 in 4 Flemish people
work in a water-
intensive sector



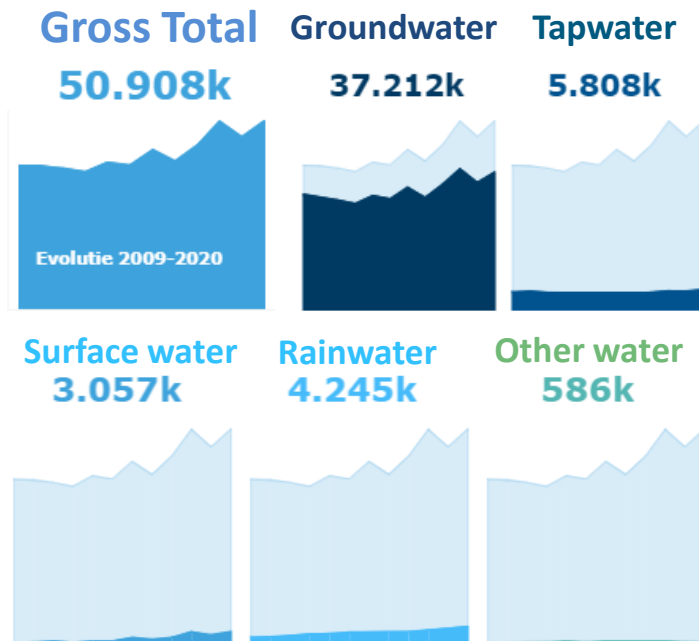
Water-intensive sectors
contribute 34% of gross
value added



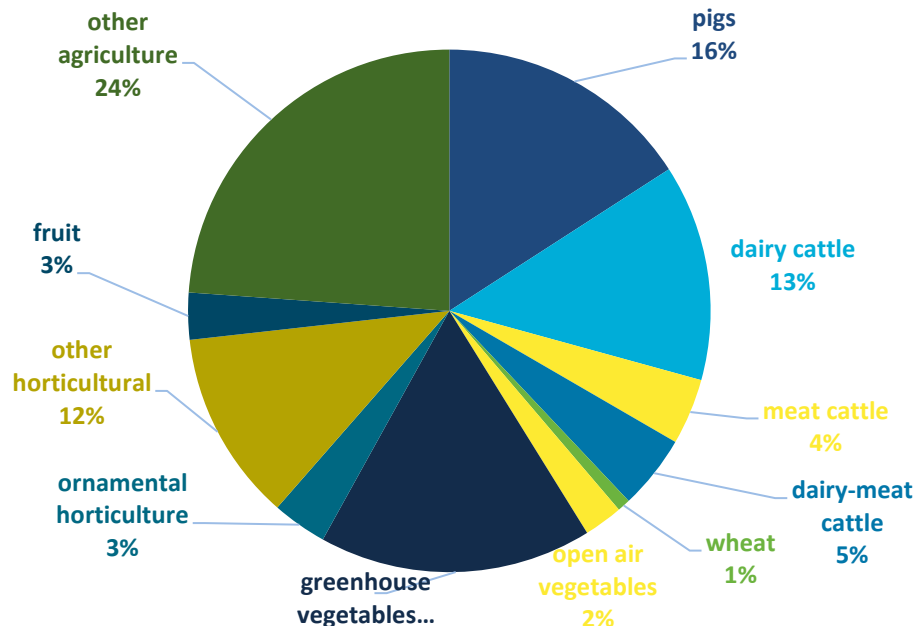
Largest water consumers
excl. cooling water (in
million m³)

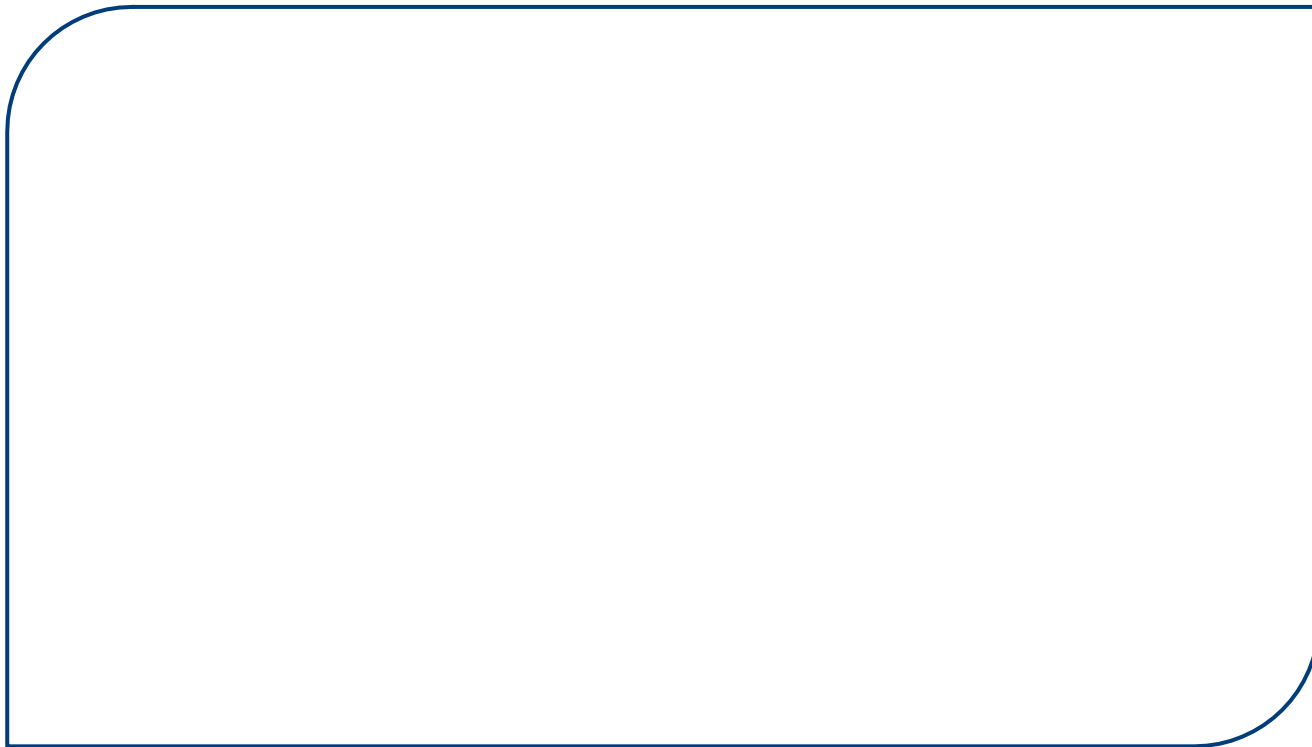


Water use in agricultural



WATER USE PER SECTOR



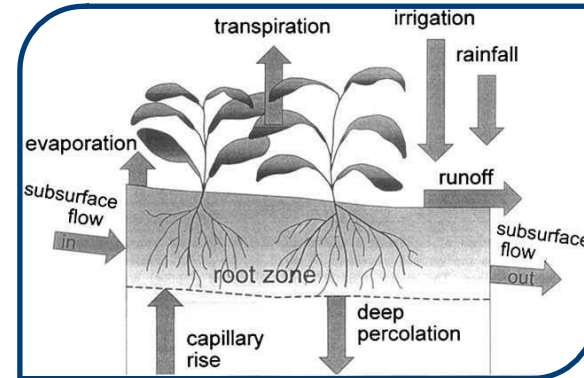


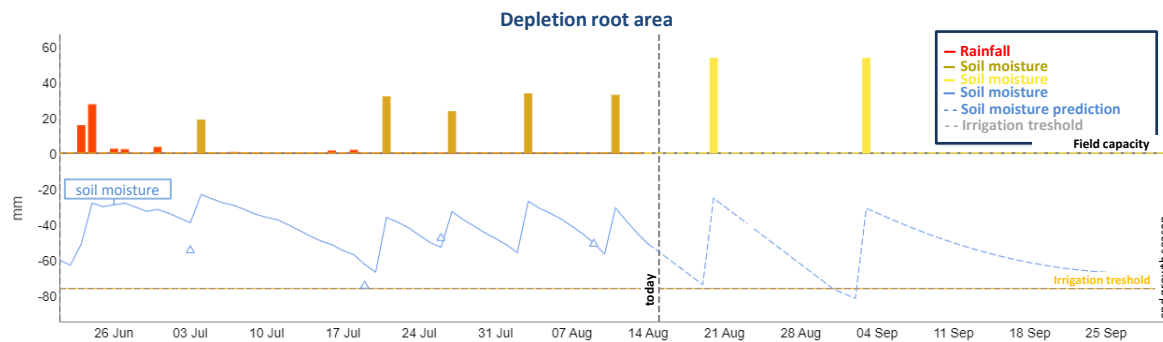
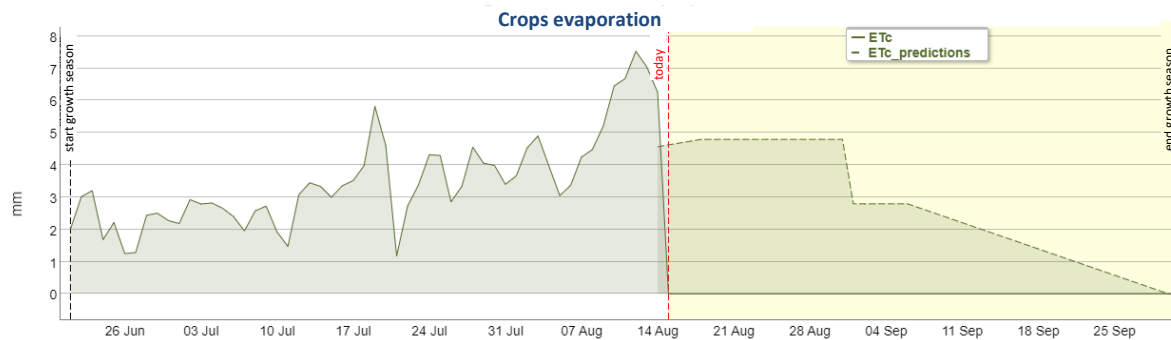
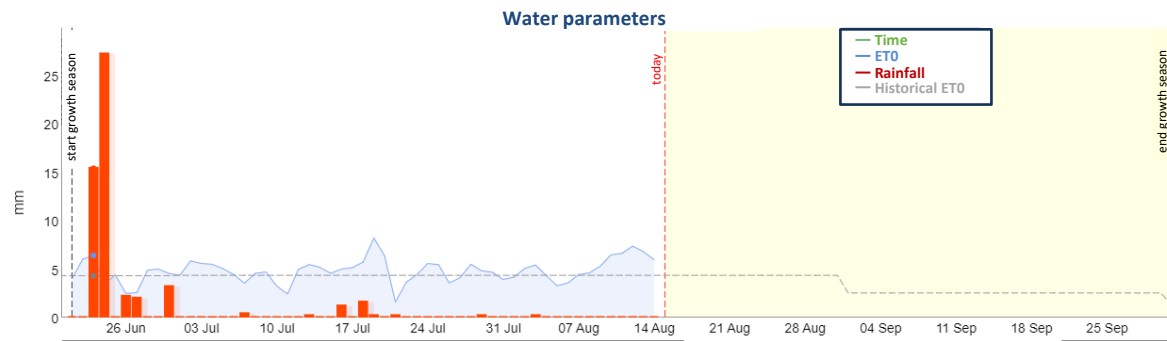
Irrigation modelling

Combining data from

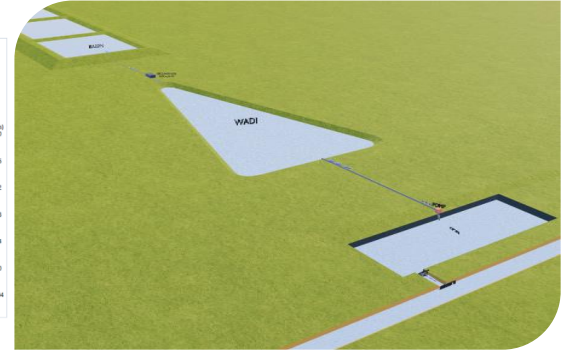
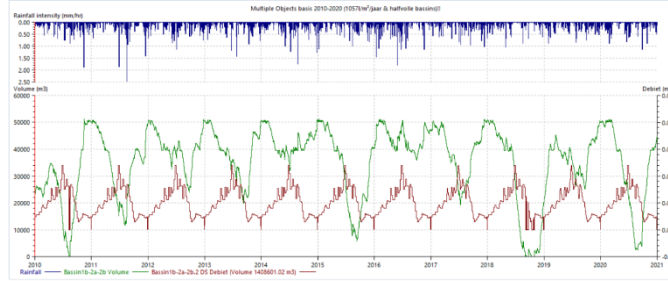
- Crop characteristics
- Soil composition
- Geographical specifications
- Soil sensing
- (historical) Rainfall
- ...

Into one predictive model





Capturing surface water



A holistic approach to integrate

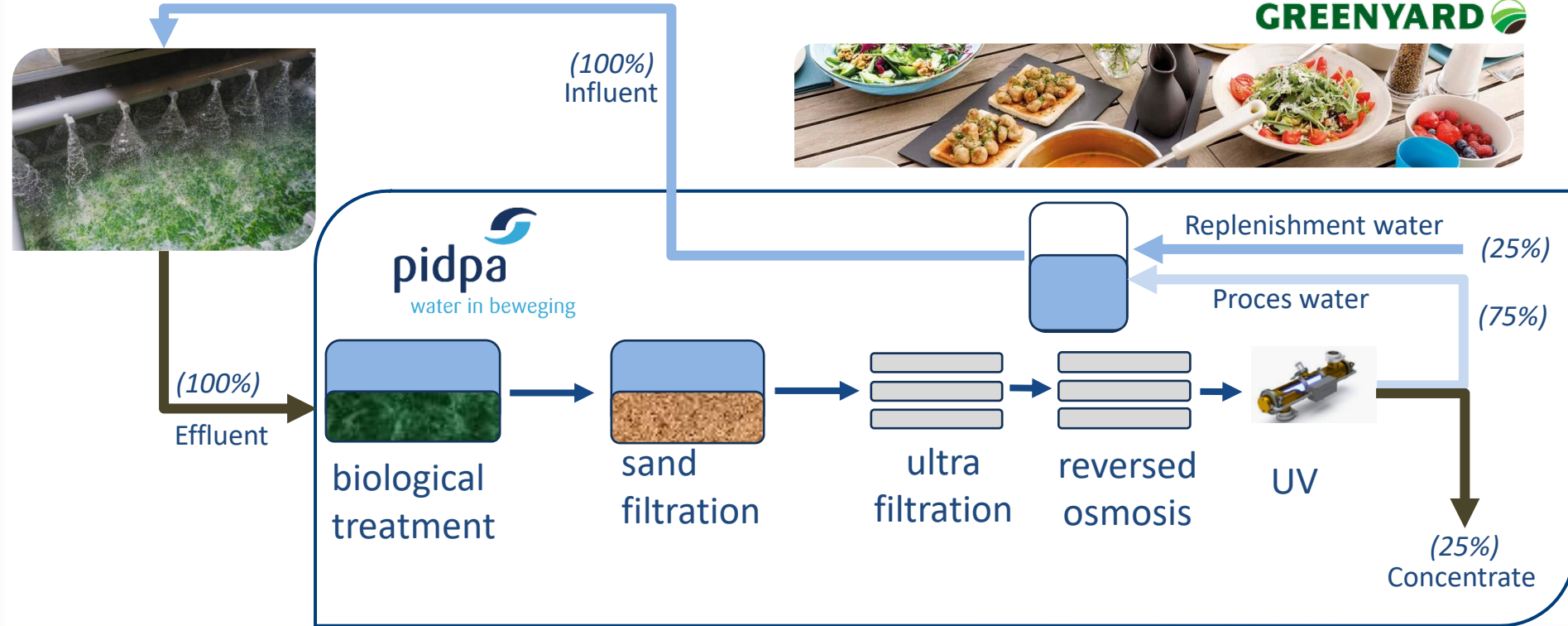
- Rainwater and drought charts
- Characteristics of a landscape
- Modelling of seasonal water use
- Pathogenically water analysis & treatment to optimize water for greenhouse cultivation



The next mile – agricultural processing

pidpa

GREENYARD



our strengths

- 100 years of knowledge and experience
- integrated water management for more than 1.300.000 users
- sewage management in over 46 municipalities and more than 4.800 km of sewage piping
- investment partner, innovation and project

