



WaterProtect in Belgium

The case study of the Bollaertbeek

2 april 2020 – By Rhune Van Cleemput



WATERPROTECT

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 727450

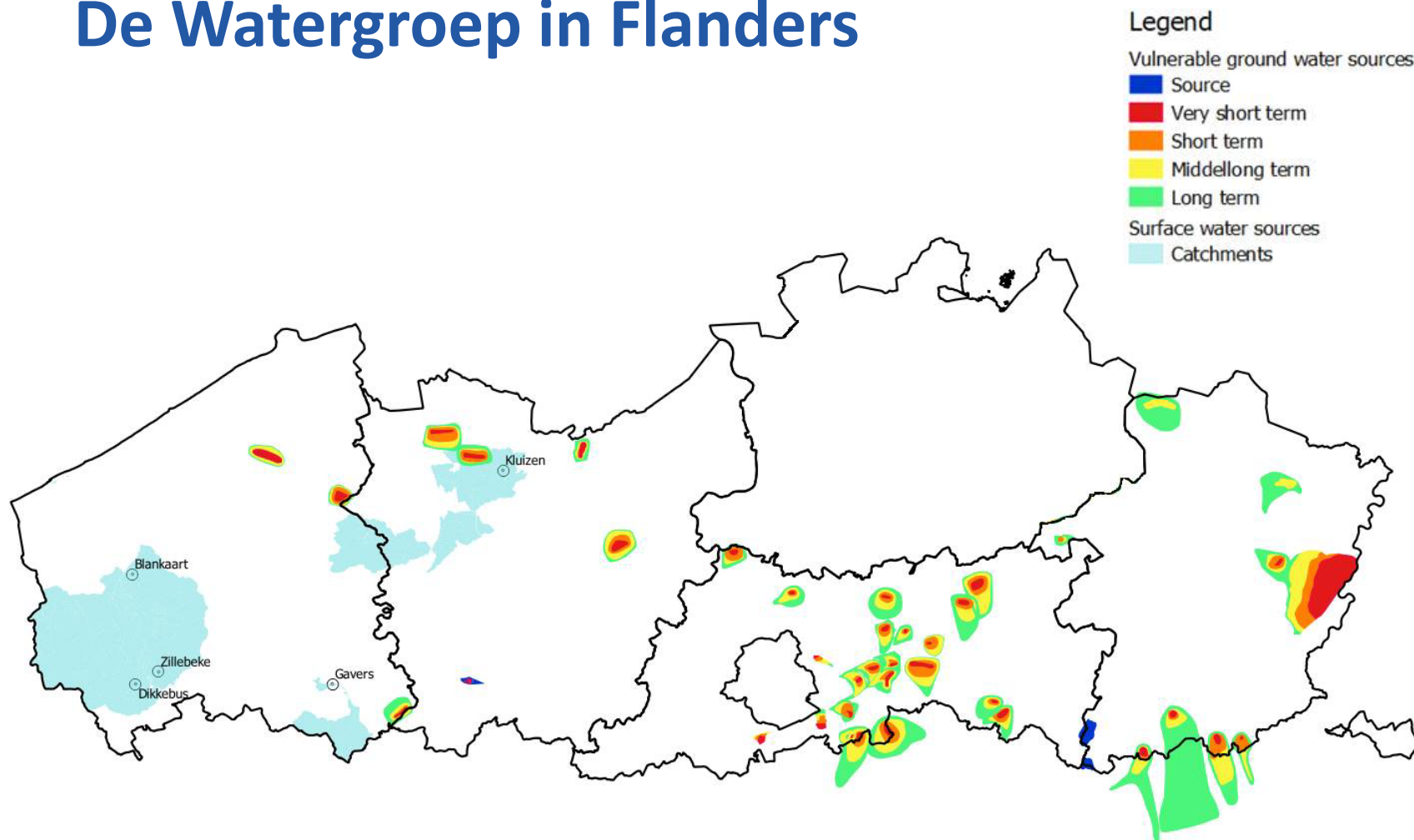




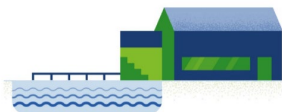
De Watergroep

A Flemish drinking water company

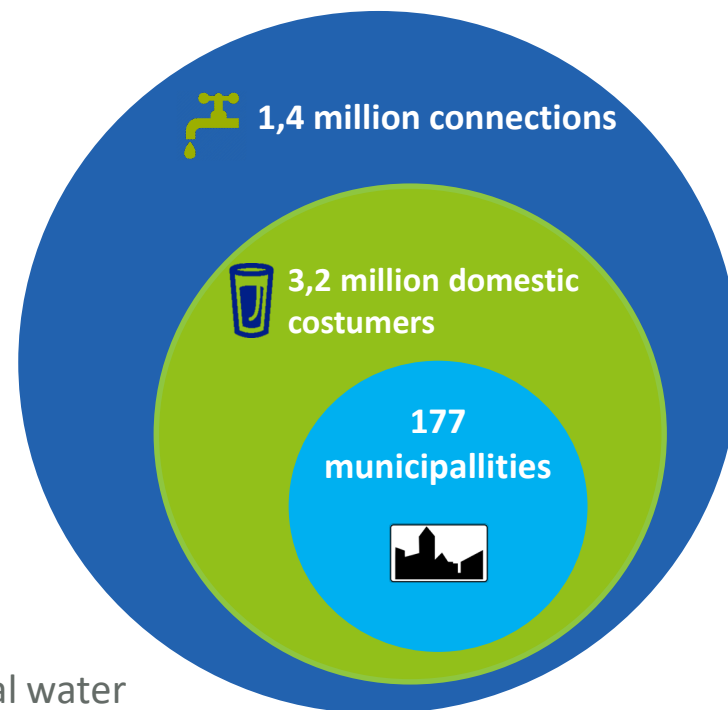
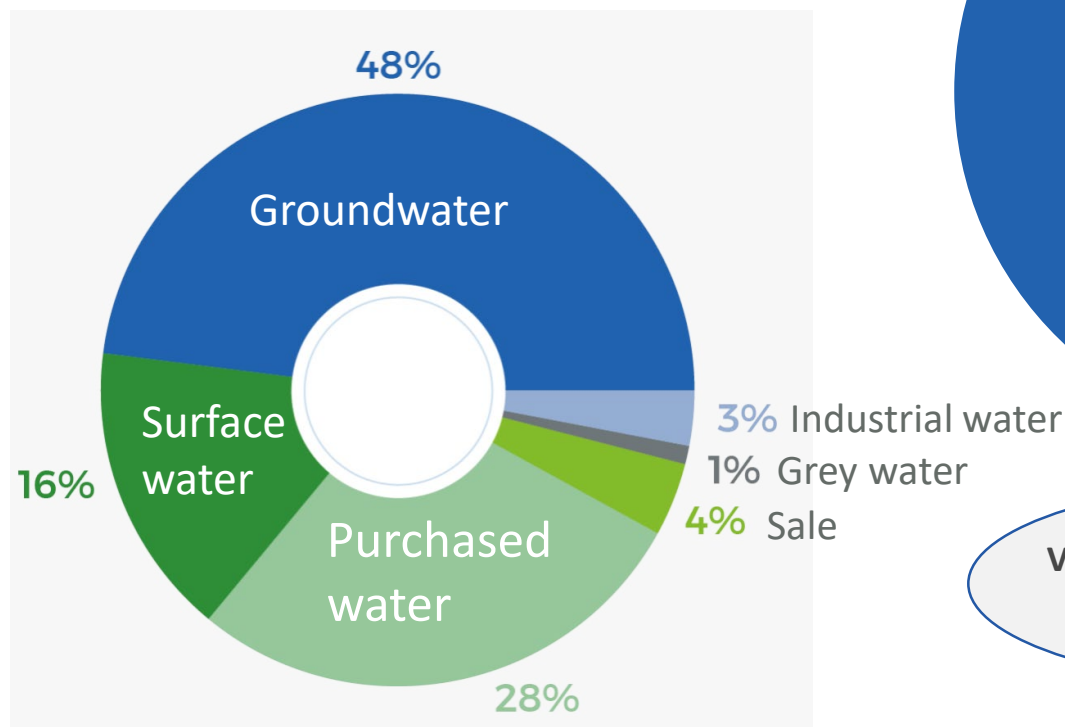
De Watergroep in Flanders



De Watergroep: some details



- 85 ground water abstractions
- 5 surface water abstractions



Volume available for distribution:
180 million m³/year

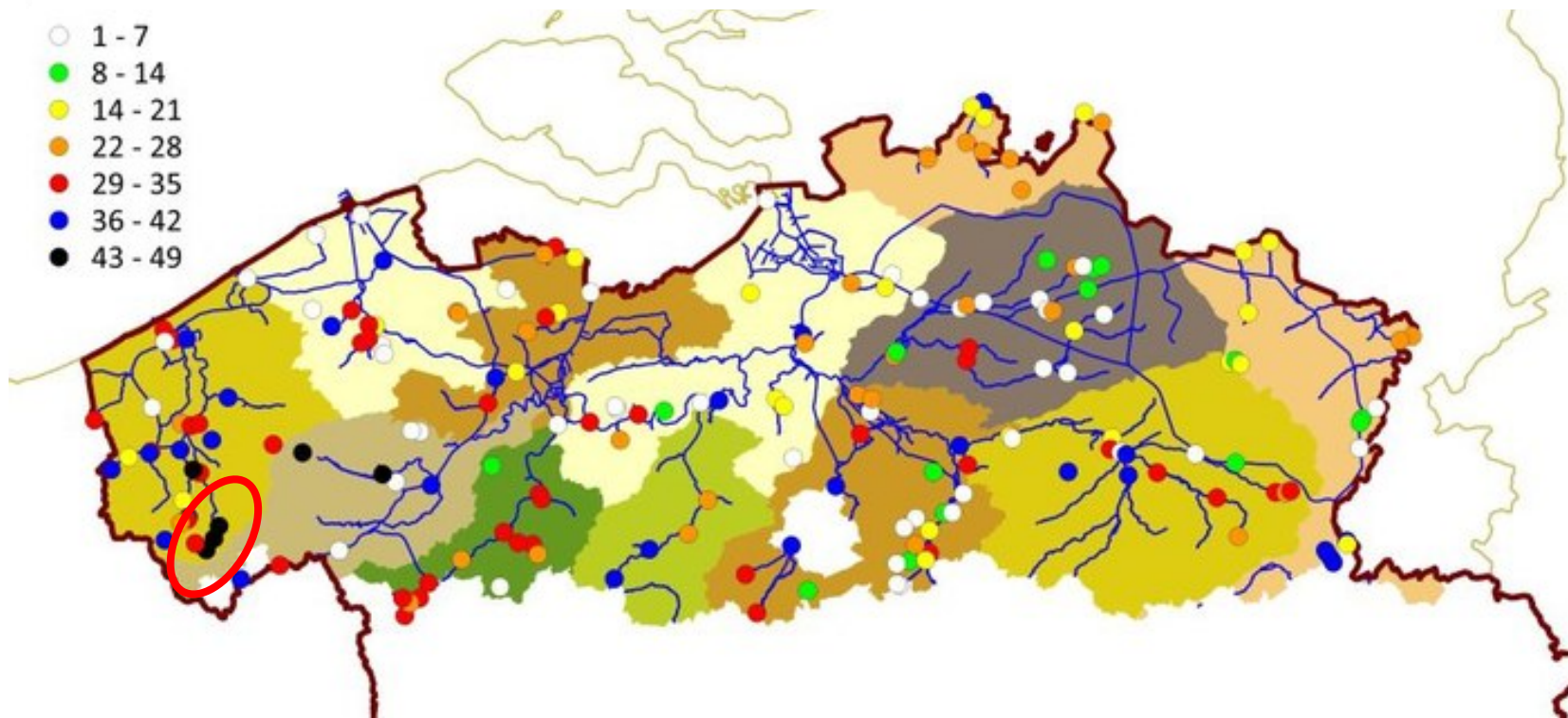


Water Production Center Zillebeke

Treating water from the stream Bollaertbeek

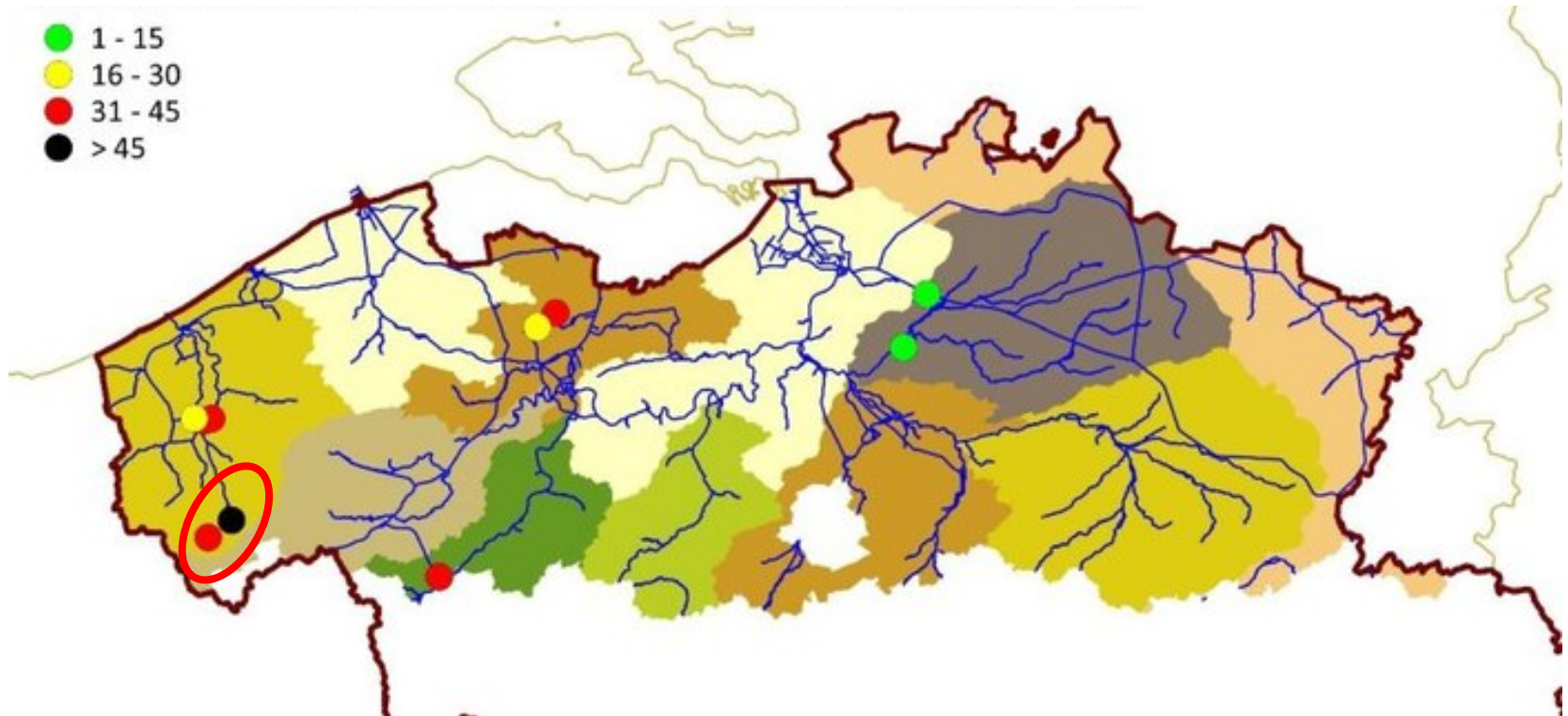
Pesticides in surface water

Amount of pesticides > 0,1 µg/l (drinkingwater standard)



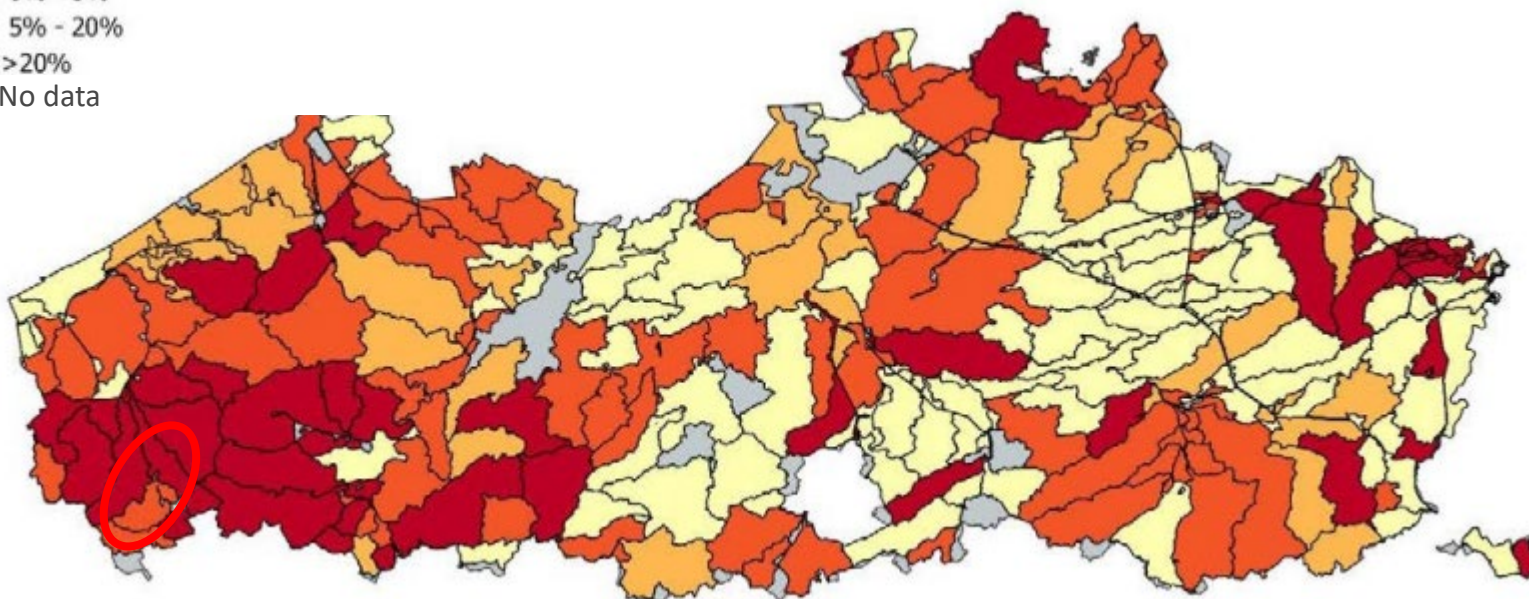
Pesticides in drinking water production sites

Amount of pesticides measured at drinking water intake points ($> 0,1 \mu\text{g/L}$)

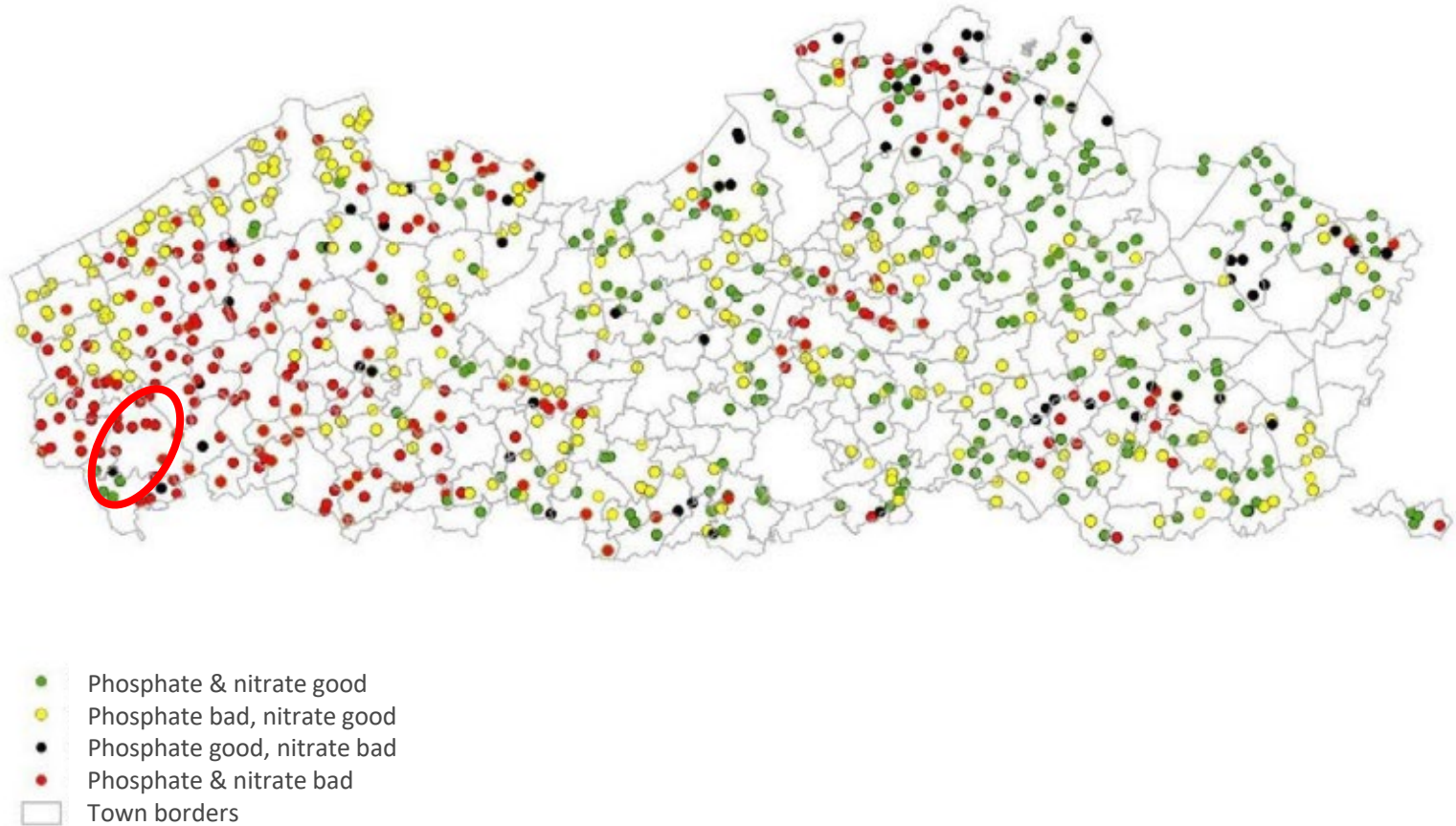


Nitrate

% measurements exceeding 50 mg NO₃/L, per outlet zone

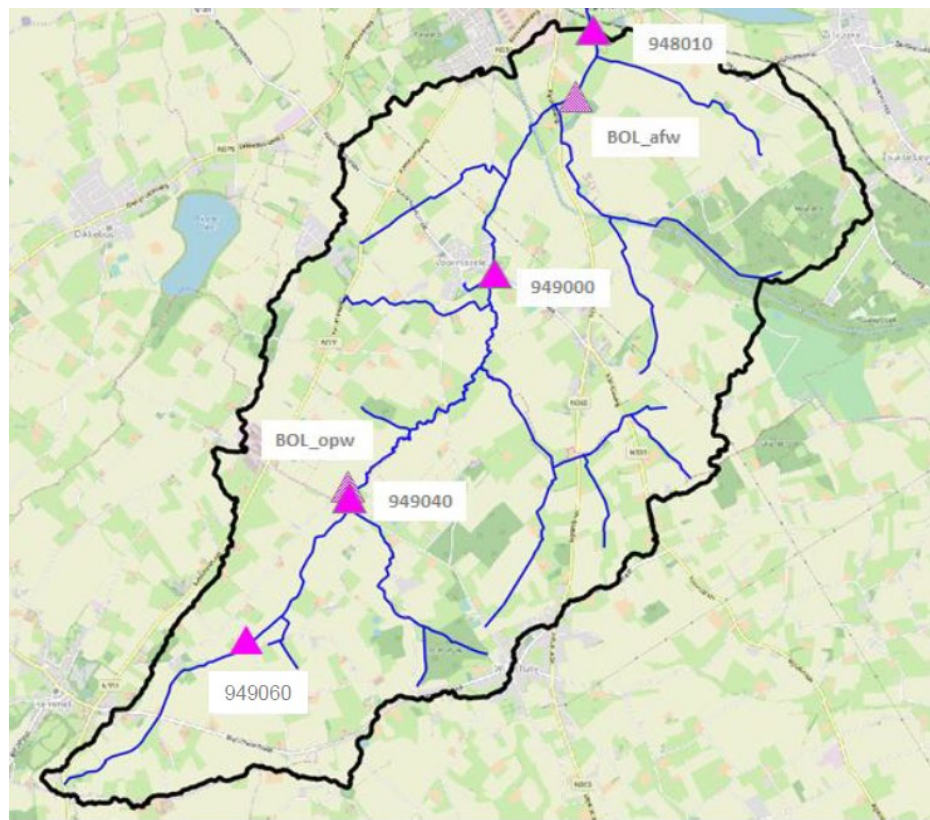


orthophosphate



Figuur 12: Beoordeling meetresultaten MAP-meetnet voor nitraat en orthofosfaat voor winterjaar 2018-2019

Source: VMM (www.milieuraport.be)



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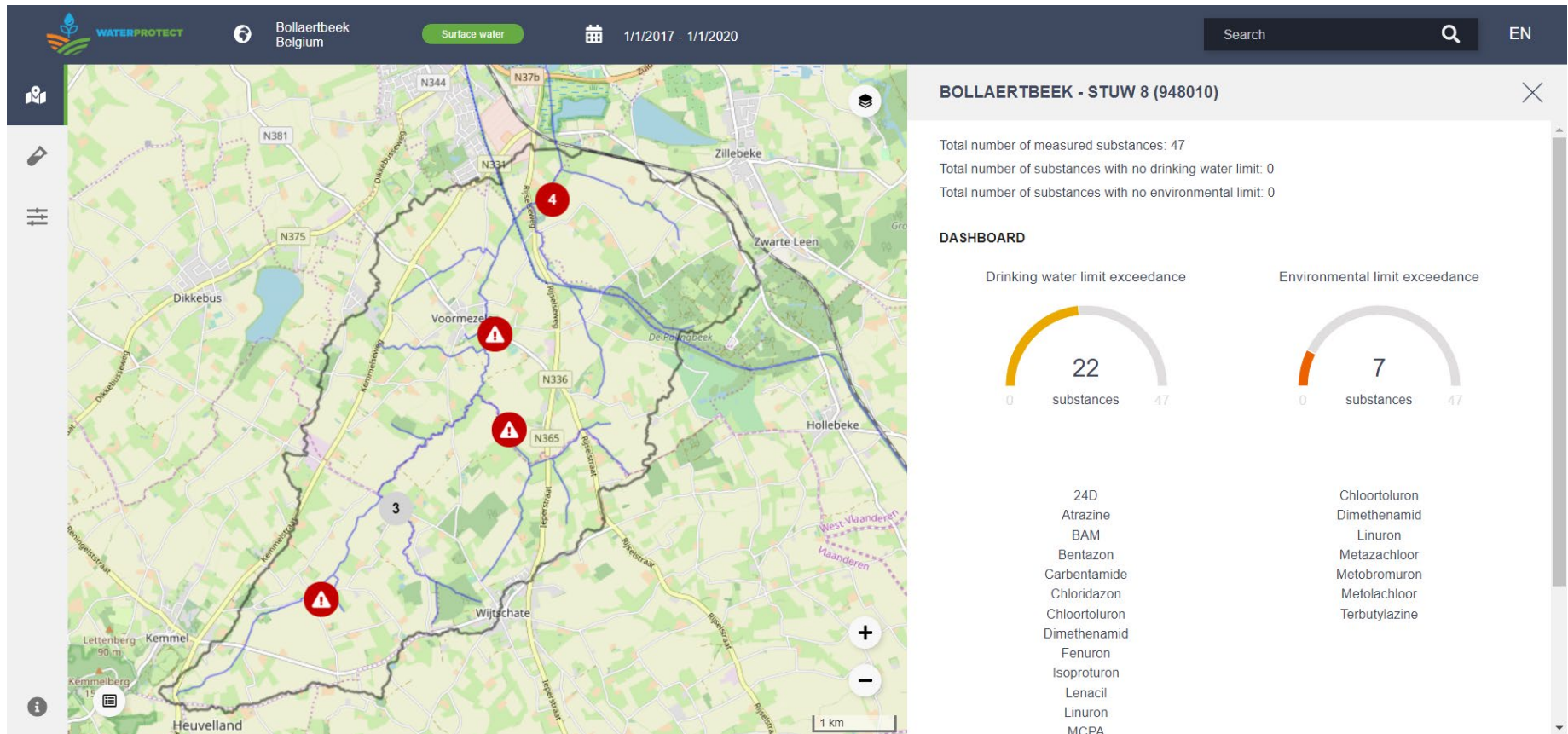
The project at the stream Bollaertbeek

Actions at the Bollaertbeek

- Stakeholder meetings
- Studiedays
- Demonstrationdays
- Kitchentable conversations
- Receptacles for residual water
- Communal rinsing place for farmers



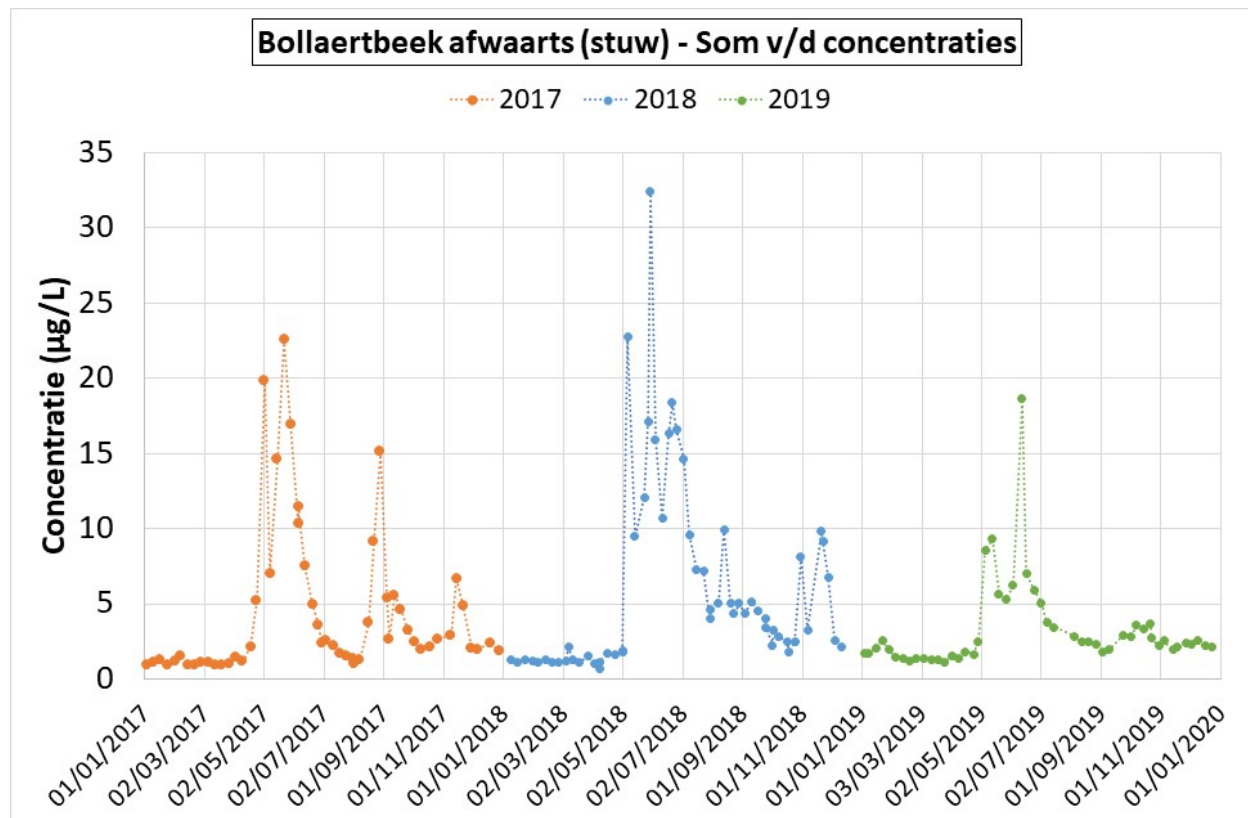
Actions at the Bollaertbeek



<http://www.fyteauscan.be/> & <https://waterprotecteu.marvin.vito.be/water-quality-locations/59>

Lessons learned from WaterProtect

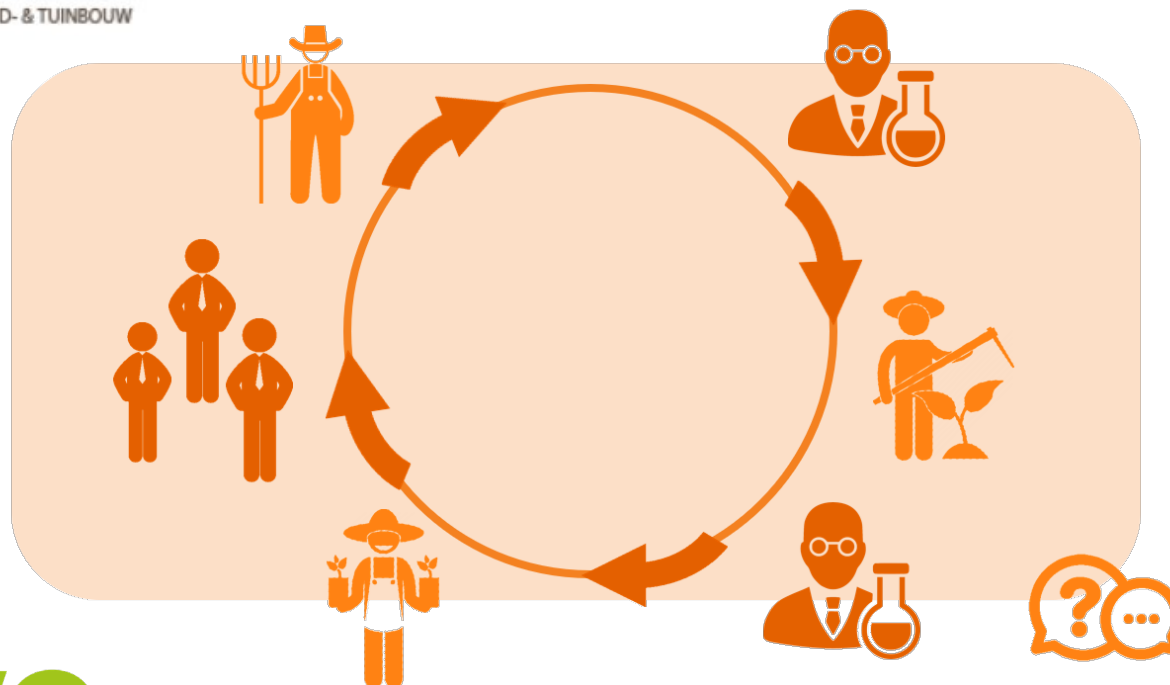
Teamwork is dreamwork: the water quality improved



Partners of WaterProtect in Belgium



VLAAMSE
MILIEUMAATSCHAPPIJ



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The future of the Bollaertbeek

- **Leader project**

- European subsidie program for rural development
- Focus on point-pollution
- De Watergroep: financing

- **water+land+schap**

- Flemish call for land development projects
- 2 years trial-period
- Implementation of land development
- Focus on diffuse pollution
- De Watergroep: financing PES-retribution for farmers



Questions?

Rhune Van Cleemput