

Water-Land-Scape

A new approach in Flanders to deal with water-land-scapes under pressure.

# WATER+LAND+SCHAP

## The Flemish Land Agency

A Government Agency:

Committed to

- developing resilient open spaces;
- enabling our countryside and open spaces to better endure urbanisation, fragmentation and climate change.

By

- collaborating on **policy**;
- investing in soil and water quality, biodiversity and Infrastructure;
- striving for beautiful, healthy urban and rural environments that are a pleasure to live and work in, with ample space for relaxation.
- We do so with uncompromising **passion and expertise**, and in constant **collaboration with our partners**.



## Our working area = 'open space' in Flanders





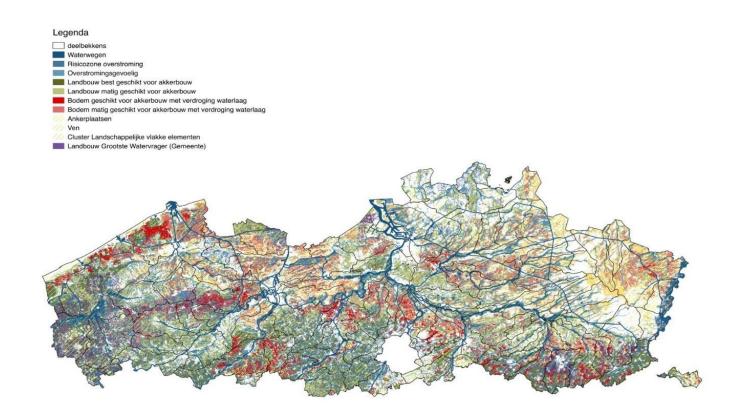


#### Some numbers

|                     | Flanders                     | Spain              | Europe                     |
|---------------------|------------------------------|--------------------|----------------------------|
| Surface             | 13.522 km²                   | 505,990            | 10,180,000 km <sup>2</sup> |
| Population          | 6.516.011                    | 46,733,038         | 741,447,15                 |
| Population density  | 482/km <sup>2</sup>          | 92/km <sup>2</sup> | 72.9/km <sup>2</sup>       |
| Built-on area       | 3.679 km²                    |                    |                            |
| Residential density | 230,9 houses/km <sup>2</sup> |                    |                            |
| Non-built-on area   | 9.844 km²                    |                    |                            |



## Flanders: Water-Land-Scapes in highly urbanised area and intensive agriculture







# Current/usual means of efficient spatial planning in Flanders

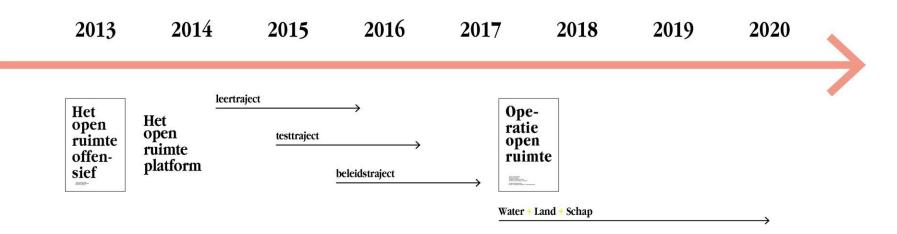
- ▶ Land use plans, protection of landscape, nature reserve, even a national park.
- Different measures to deal with the pressures on open spaces and water-land-scapes.







#### Water-Land-Scape: a new approach



The idea: 6new approaches for future open space management





## Ambitious landscapes

## Water-Land-Scape

#### Landscape infrastructure

20

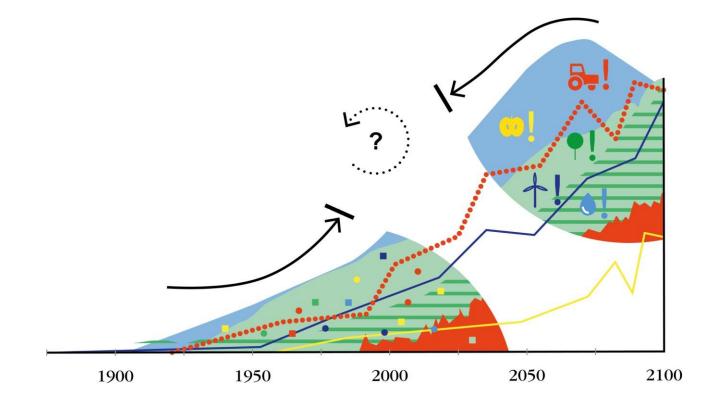
OPEN RUIMTE





SMARTER AGRO

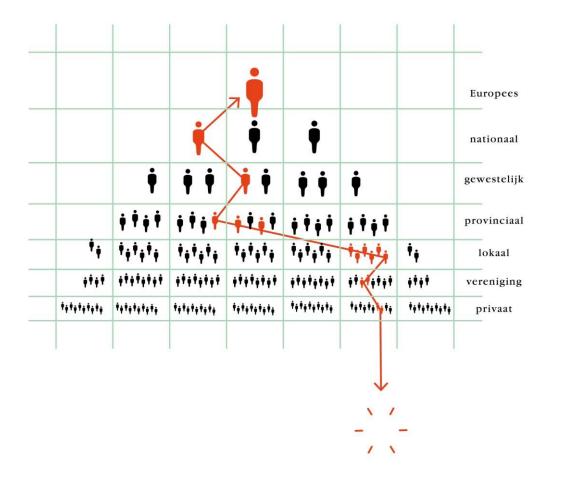
# There is a gap between goals and results on the ground!





WATER+LAND+SCHAP

### **Co-operation is the way to go...**







# Recent floods and droughts show the urgency!







# So, we brought together a Flemish team for the programme

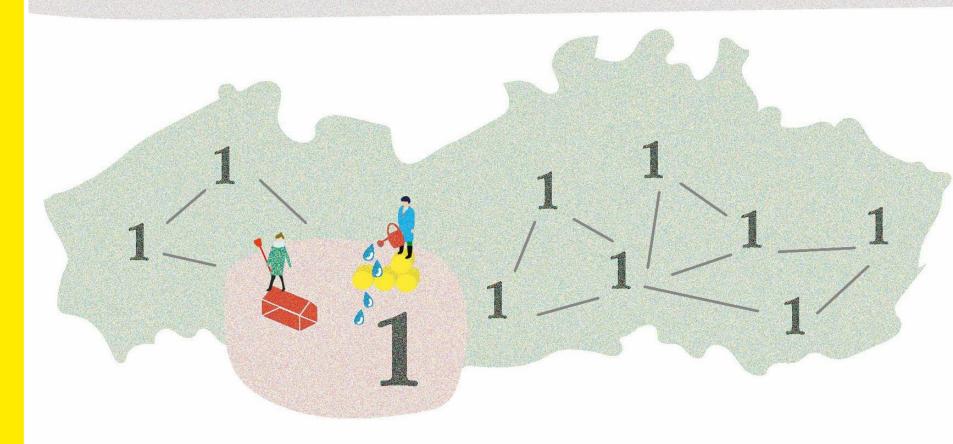






## This team will support actors in the field with knowledge and instruments





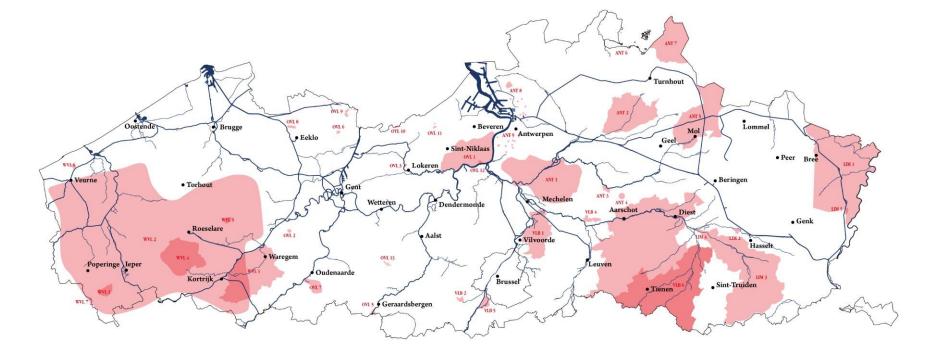
# Our minister agreed to fund the programme







# Our call for proposals gave us 40 initiatives!

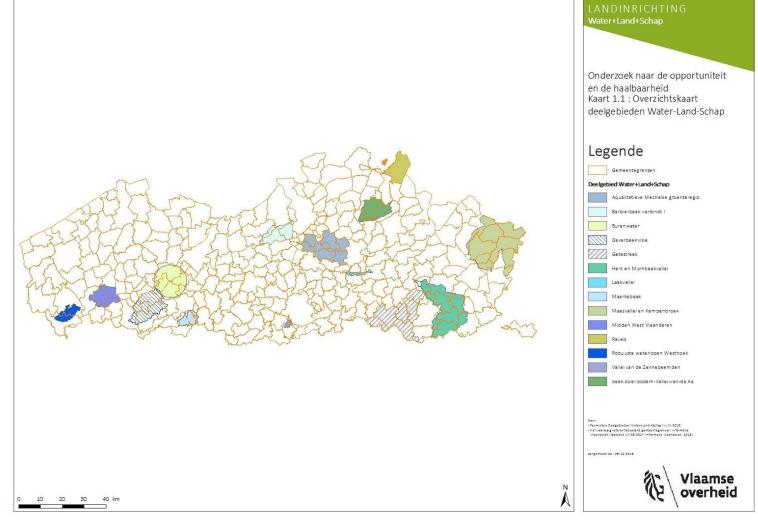


West-Vlaanderen WVL 1: Gaverbeekvisie-Harelbeke-Anzegem - Intercommunale Leiedal <u>Vlaams-Brahant</u> VIB 1: Floordambos-Barenbos-Steenokkerzeel - gemeente Steenokkerzeel VIB 2: Horada automanada as paraenta watadaanad magaana Malaabadraallai aasuaana Ciat Biatagalaa





#### 14 selected areas







## Local partners and farmers will come round the table to find solutions







# Local partners and programme partners work together

- Four days of reflection:
  - → Day 1: explanaton of the programme;
  - → Day 2: models for solutions and involvement;
  - → Day 3: measures and instruments;
  - $\rightarrow$  Day 4: synthesis.
- Report with measures and solutions for a Flemish approach in 14 pilot areas in Flanders;
- Measures for local partners to develop good practices;
- Future land development plans for water-land-scapes.





# Solutions for water management in rural areas in Flanders

14 pilot areas;

 Test of different approaches for water management with farmers;

Themes:

- → how to provide water in intensively used areas during dry periods?
- $\rightarrow$  How to solve problems with water pollution?
- → How to use the landscape as a smart solution for water capture in the prevention of floods and drought?

-LAND+

 $\rightarrow \cdots$ 

New solutions! A recent study and approaches will be integrated in local situations: European co-operations eg. Water Protect project, Co-Adapt,...



## **Our plans**

- Different solutions will be tested in 14 pilot areas;
- Local knowledge and goals of government come together in one plan;
- Best solutions to spread out in Flanders (and Europe);
- Learning points in other countries welcomed;
- Funds are foreseen for initiatives with local farmers within the three main goals: water, agriculture and landscape;
- Quick wins;
- Long term projects: 10years;
- Programme = learning platform for government and local actors;
- Website: <u>www.waterlandschap.be</u>



#### Water-Land-Schap



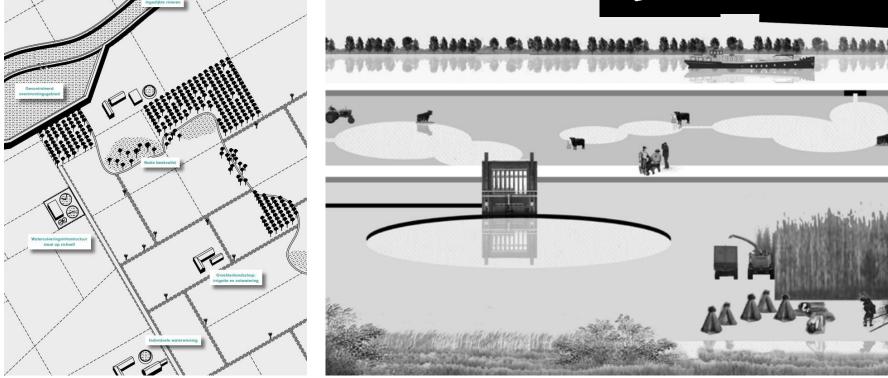






#### Innovative WIN-WIN scenario WATER+AGRICULTURE+LANDSCAPE









#### Relationship between Water-Land-Schap's objective and Core Qualities of Environmental Quality

#### WIS1– A robust water system



CQ 1.There are efficient green-blue networks.

#### WLS2 – Sustainable food production



CQ 3. The environment contributes to a vital economy.



CO 7. The environment has a clear identity.

WLS3 – Quality



CQ 6. Immovable Heritage serves as the basis for identity and new developments.



CQ 9. The open space is robust and resilient.



CQ 2. Good environmental quality prevails.



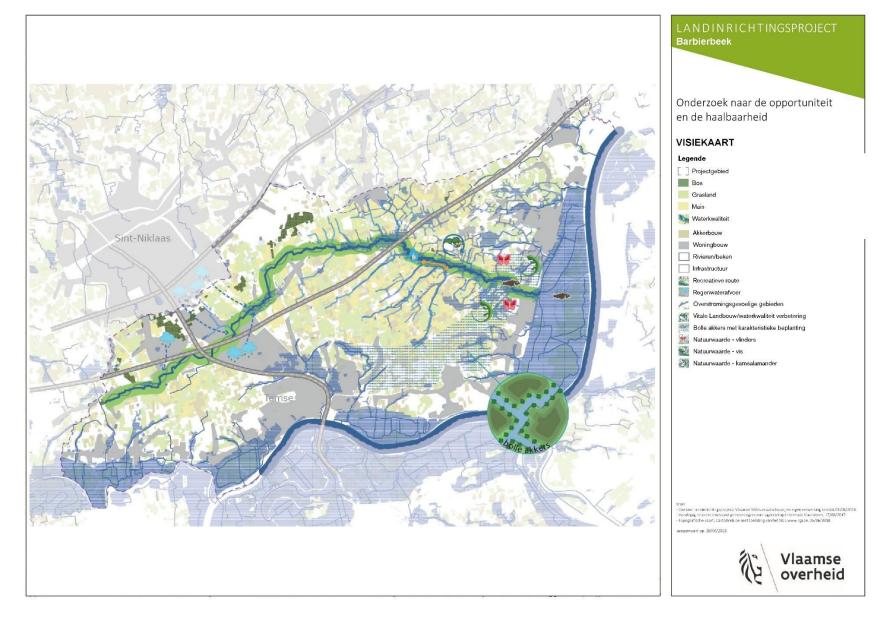
CQ 8. The environment promotes social cohesion.



CQ 4. Basic facilities are nearby and accessible.

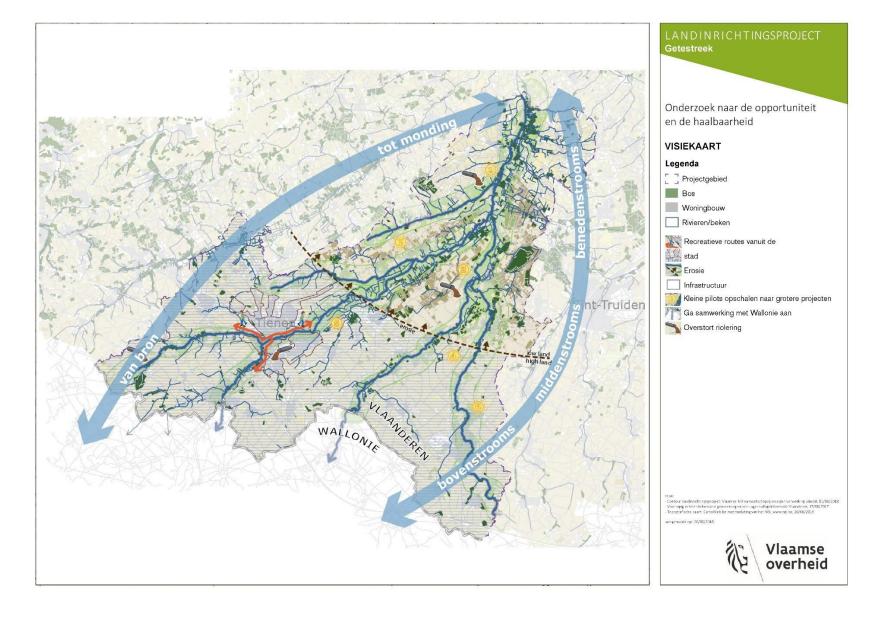


CQ 5. The accessibility of the environment is in accordance with capacity and needs.















#### LANDINRICHTINGSPROJECT Burenwater

Onderzoek naar de opportuniteit en de haalbaarheid

#### VISIEKAART

Burenwater: Creëren van kringlopen Het effluent van Agristo, aardappelverwerkend bedrijf, vormt het startpunt voor een gebied van hoogwaardige groentonteelt, zowel serre als vollegronds.

Agristo levert dagelijks zo een 2000m3 water aan een bufferbekken. Ook aqua4C levert als viskwekerij water aan het basin. Vanuit dit bufferbekken worden groentebedrijven voorzien van voor hen waardevol teeltwater. In eerste instantie kunnen Tomatomaaters en PCG het watter inzetten in periodes van droogte. Vanwege de grote hoeveelheid beschikbaar water ligt het voor de hand dat de volle grondteelt van groenten sterk kan toenemen in de onmiddelijke omgeving.

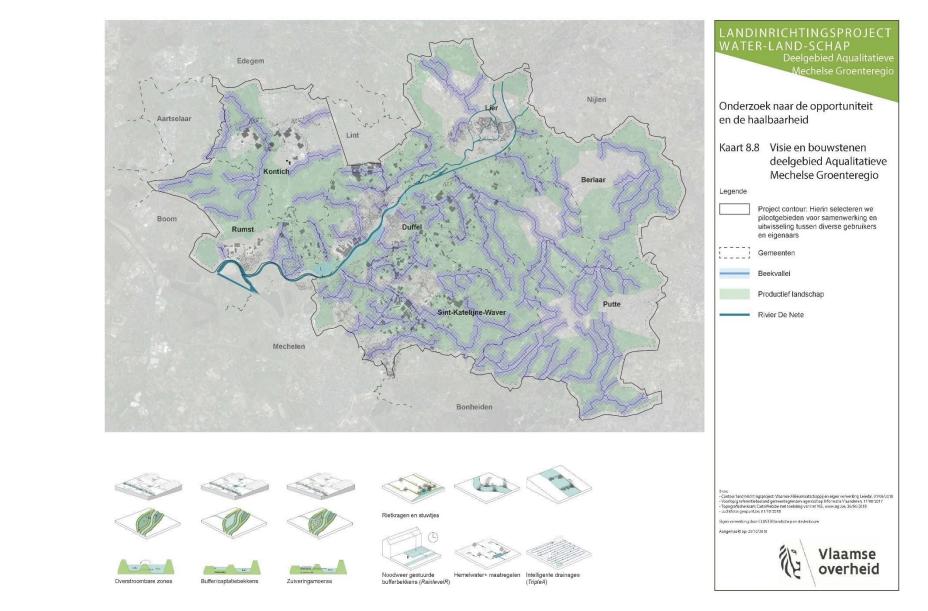
Het hemelwater van de bedrijfsdaken van de Prijkels wordt ingezet voor de ontwikkeling van een groenblauw netwerk doorheen het intensief landgebruik van bedrijven, vollegronds groenteteelt en het serrecomplex van Tomatomasters.

Consul land in ruho rgisolojest. Vlaa mie W. leum aatschappij en eigen verwerking Leetoli, 01/05/2018 - Voorloging referensiebestand gemeenting renzem algentschap informatie Vlaanderen, 17/02/2017 - Toppgrafische sonst: CertoWeb ble met toelating van het NGL evwo rglice, 26/06/2018 aangemaakt op: 26/06/2018



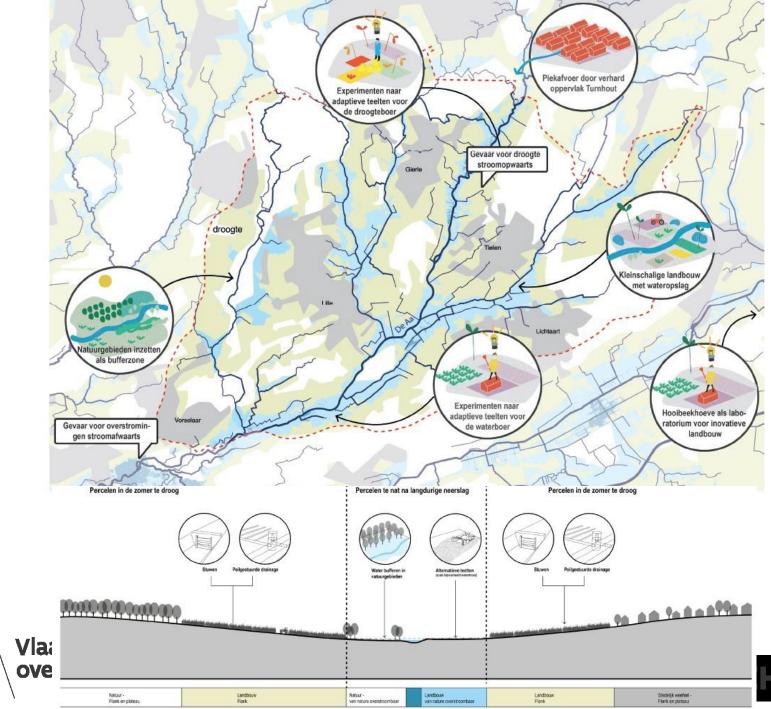














## Conclusion

- Not only climate, but also people have to change.
- Climate change forces us to:
  - $\rightarrow$  Act fast;
  - → Be more creative in our solutions for the future waterland-scapes;
  - → Work together with all stakeholders.



