

Waterinfo.be

Flanders
State of
the Art

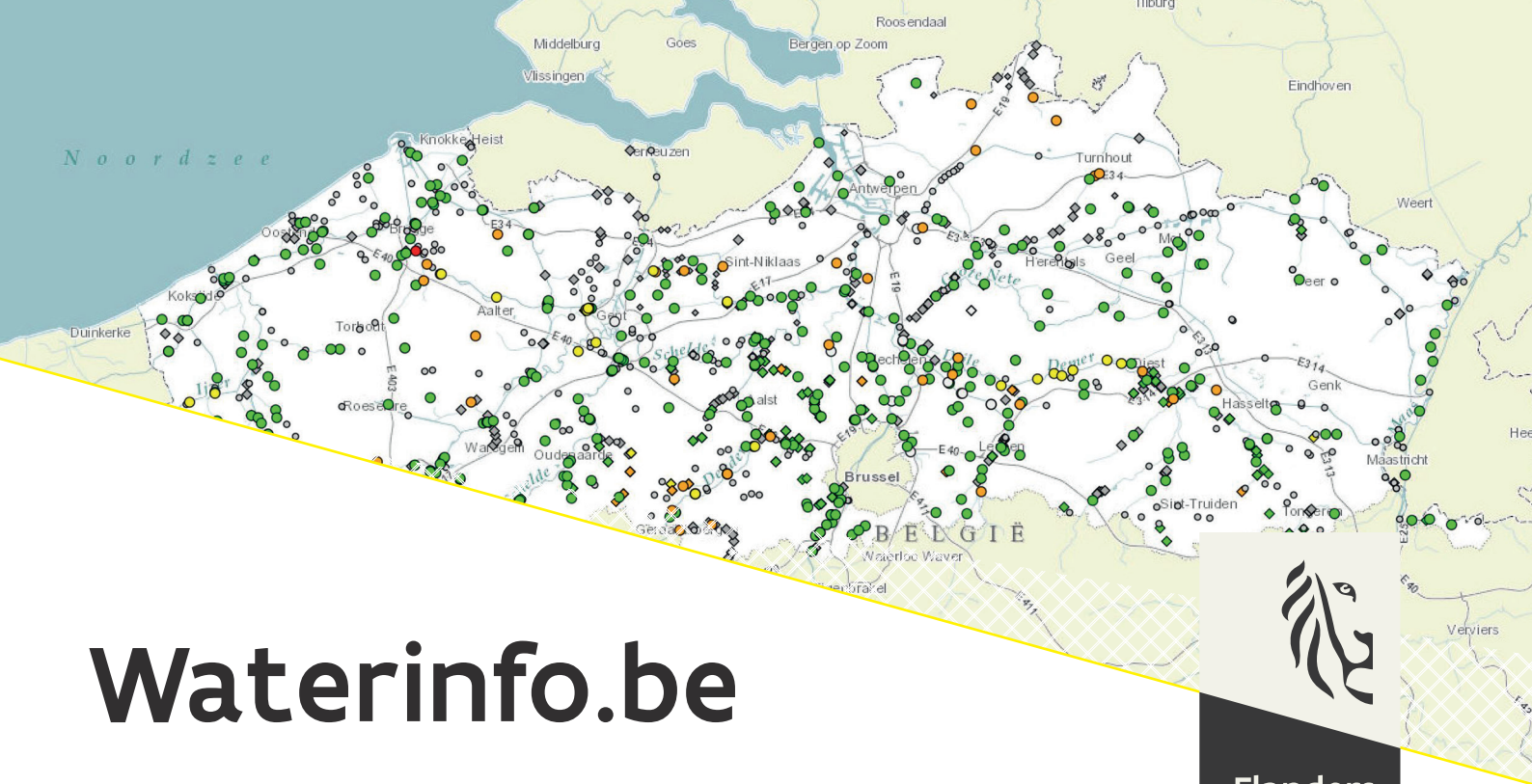
Waterinfo.be informs as accurately as possible about fluvial floods, tidal stormtides and (hydrological) droughts in Flanders. All the measurements and forecasts are to be found on waterinfo.be since January 2014. This way, appropriate measures can be taken to minimize water damage.

Important floodings in November 2010 triggered the cooperation of the most important players in the Flemish watermanagement in the realization of waterinfo.be. The website, with all source-data available as open data via Webservices, replaced individual websites with older technologies. It has not only become a well-known instrument for water-and crisismanagement but also plays an important role in the gathering of data used in studies.

Flood forecasting and warnings

The operational flood forecasting service of Flanders Hydraulics (HIC – Hydrological Information Centre) and the Flemish Environmental Agency uses a wide variety of meteorological inputs in combination with 1D/2D hydrological and hydraulic models to provide waterlevel and discharge forecasts on the Flemish waterways and along the Belgian coast. Experts make daily interpretations on the situation and communicates with messages on waterinfo.be. During crisis, these messages are actively spread for crisismanagement and emergency services.





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Hydrological measurements

Waterinfo.be currently integrates 2162 measuring stations providing (near-) realtime data with high resolution timeseries along the Flemish waterways and Northsea coast. Additional stations from surrounding areas (Walloon region in Belgium, France, The Netherlands) are available for operational crisismanagement during floods.

- 730 measuring stations via Flanders Hydraulics
 - Available as open data using webservices (<https://hicws.vlaanderen.be>)

Tidal Storms

When wind speed and direction, especially during spring tide, leads to high stormtides along the Belgian coast or in the Scheldt estuary, this is communicated on waterinfo.be by experts of Flanders Hydraulics who make the interpretations based on different model-outputs. The emergency plan to be applied along the coastal region can be found on waterinfo.be

Reports

Waterinfo.be provides reports on important flooding events, storms and dry periods made by Flanders Hydraulics and/or the Flemish Environmental Agency to gather all insights and factual data on the hydrological conditions of an event.

Partners

It is a partnership of:

- Waterbouwkundig Laboratorium - Flanders Hydraulics
- VMM - Flemish Environmental Agency
- De Vlaamse Waterweg NV
- Agentschap Maritieme Dienstverlening en Kust - Maritime and Coastal Services

