

WISE

spatial data

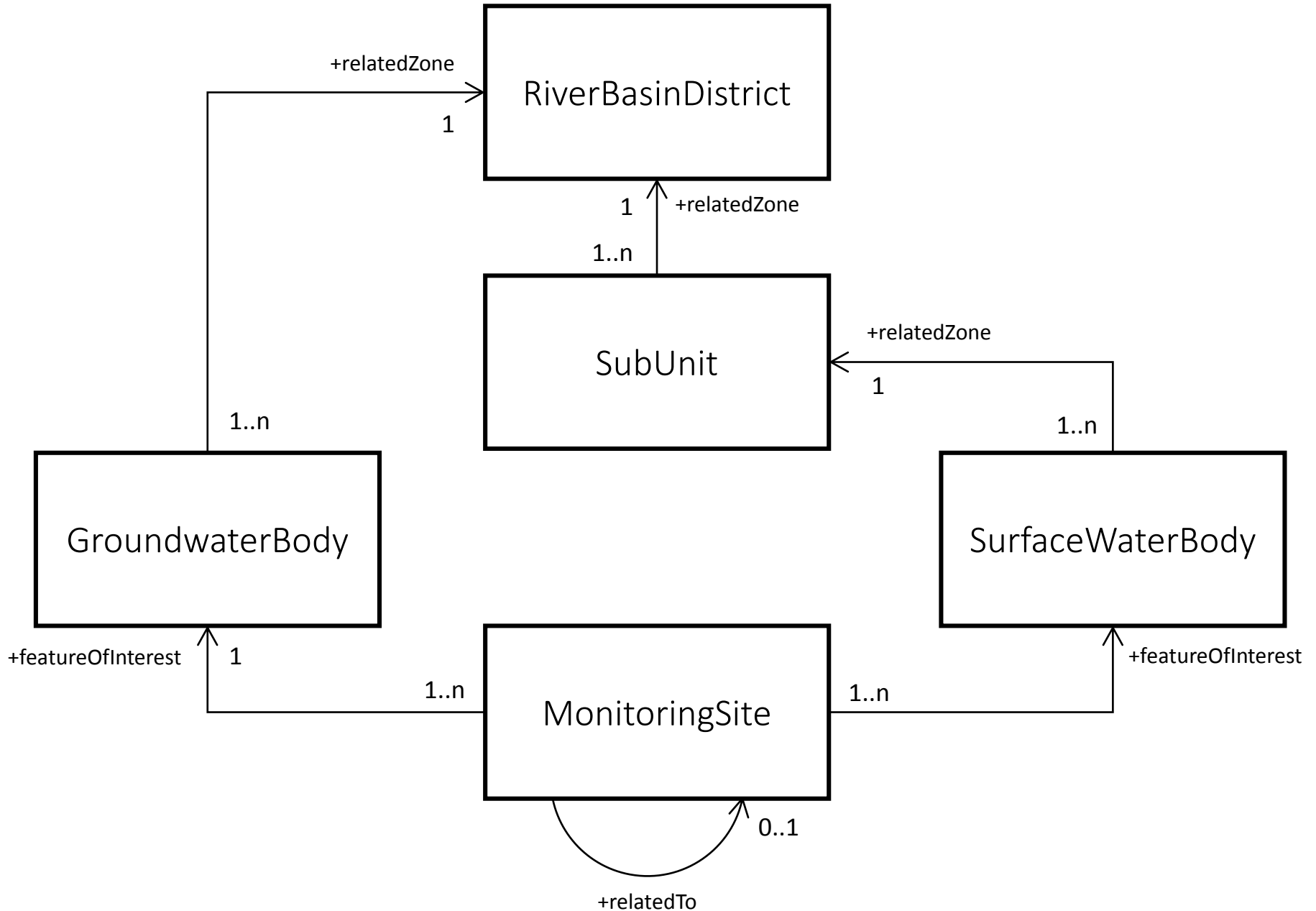


How does
the spatial data
**fit with other
reported data?**

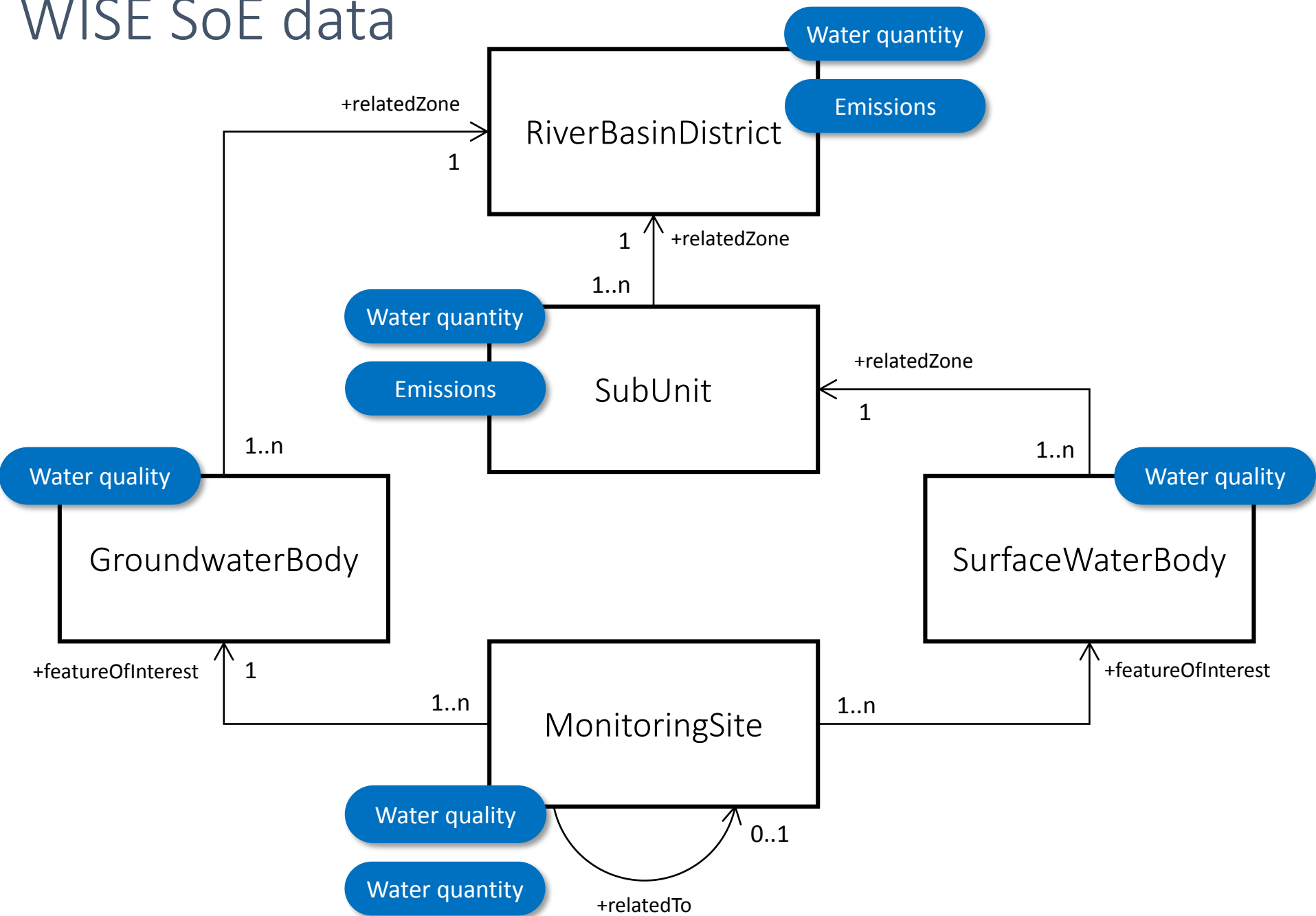
Reference datasets

- The **WISE** reference spatial datasets are:
 - RiverBasinDistrict
 - SubUnit
 - SurfaceWaterBody
 - GroundWaterBody
 - MonitoringSite
- The datasets provide the spatial reference to other information: for example, time series or status assessments.

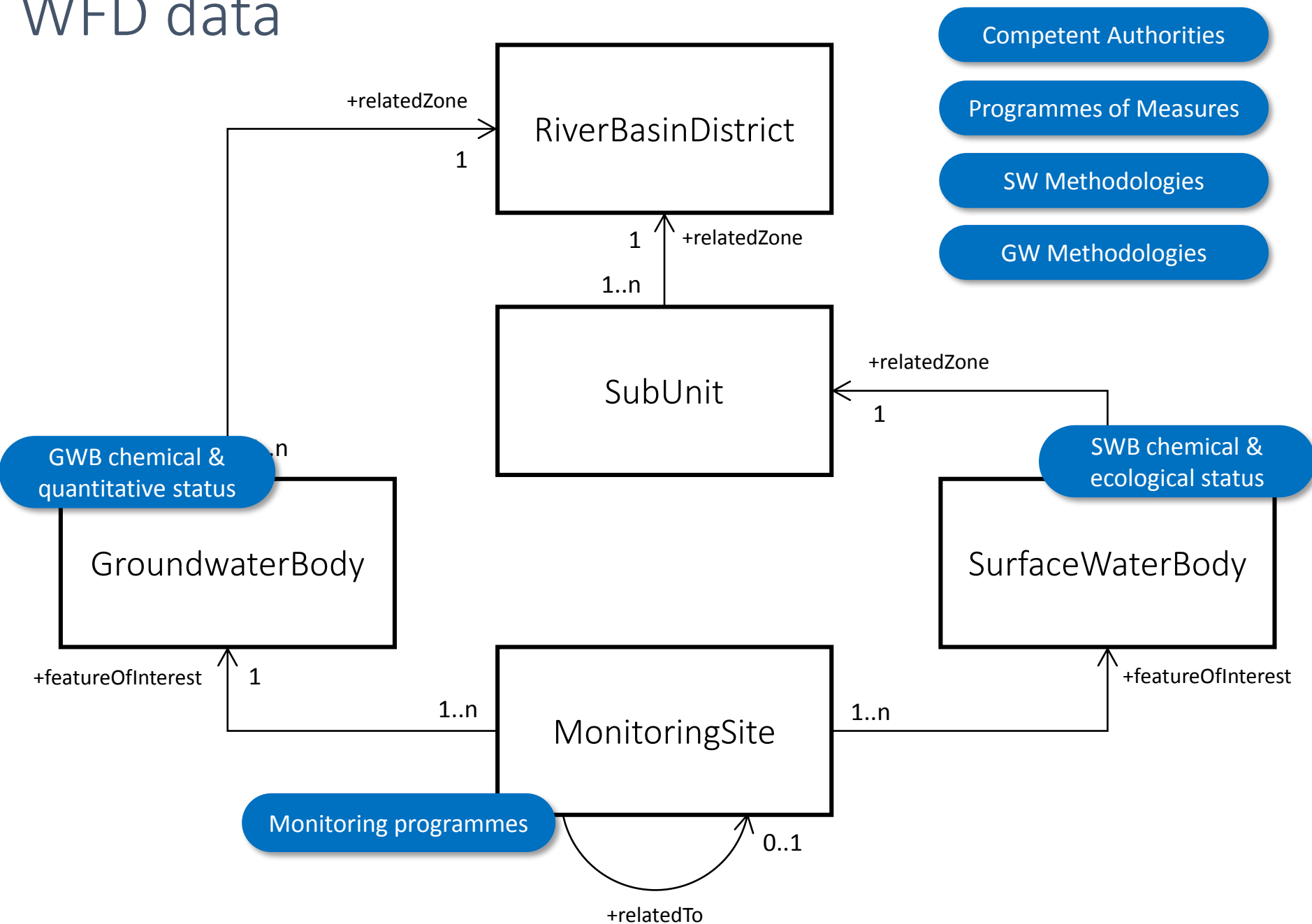
Reference data



WISE SoE data



WFD data



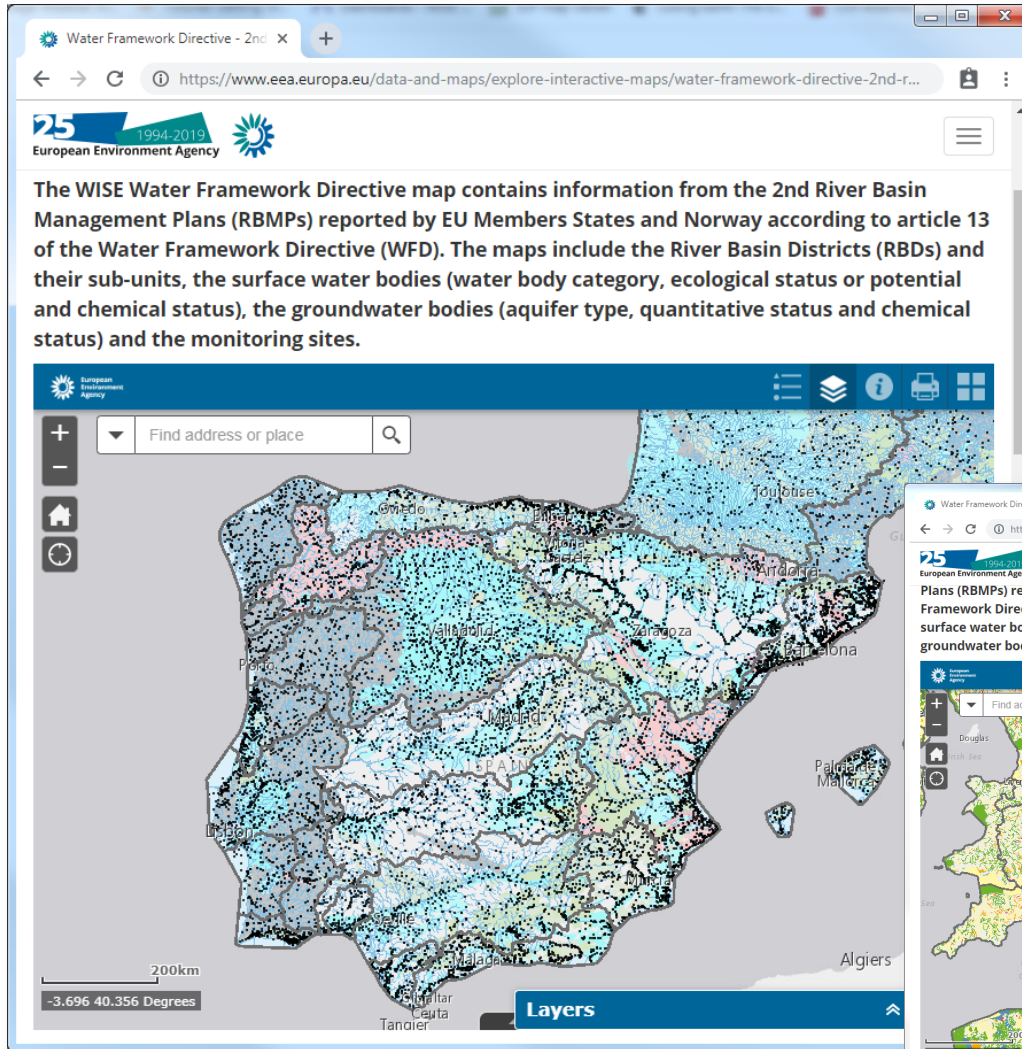
WFD

Water Framework Directive

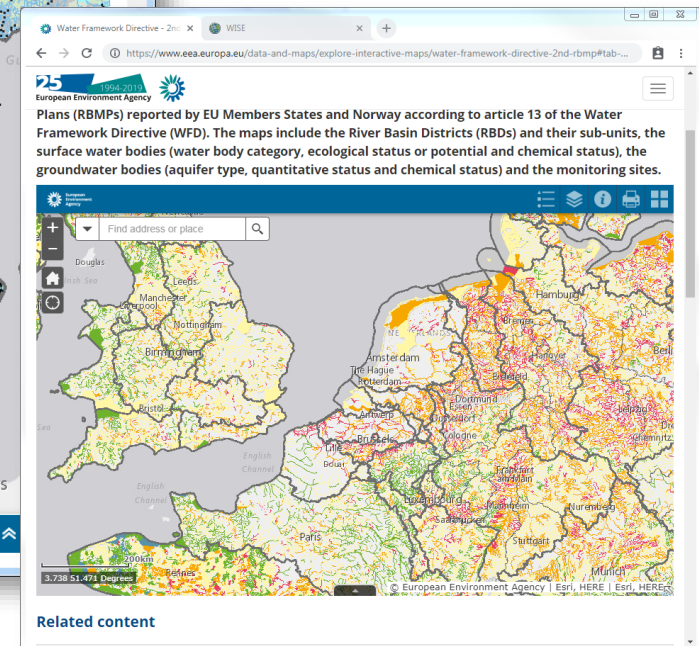
spatial data



Reference datasets

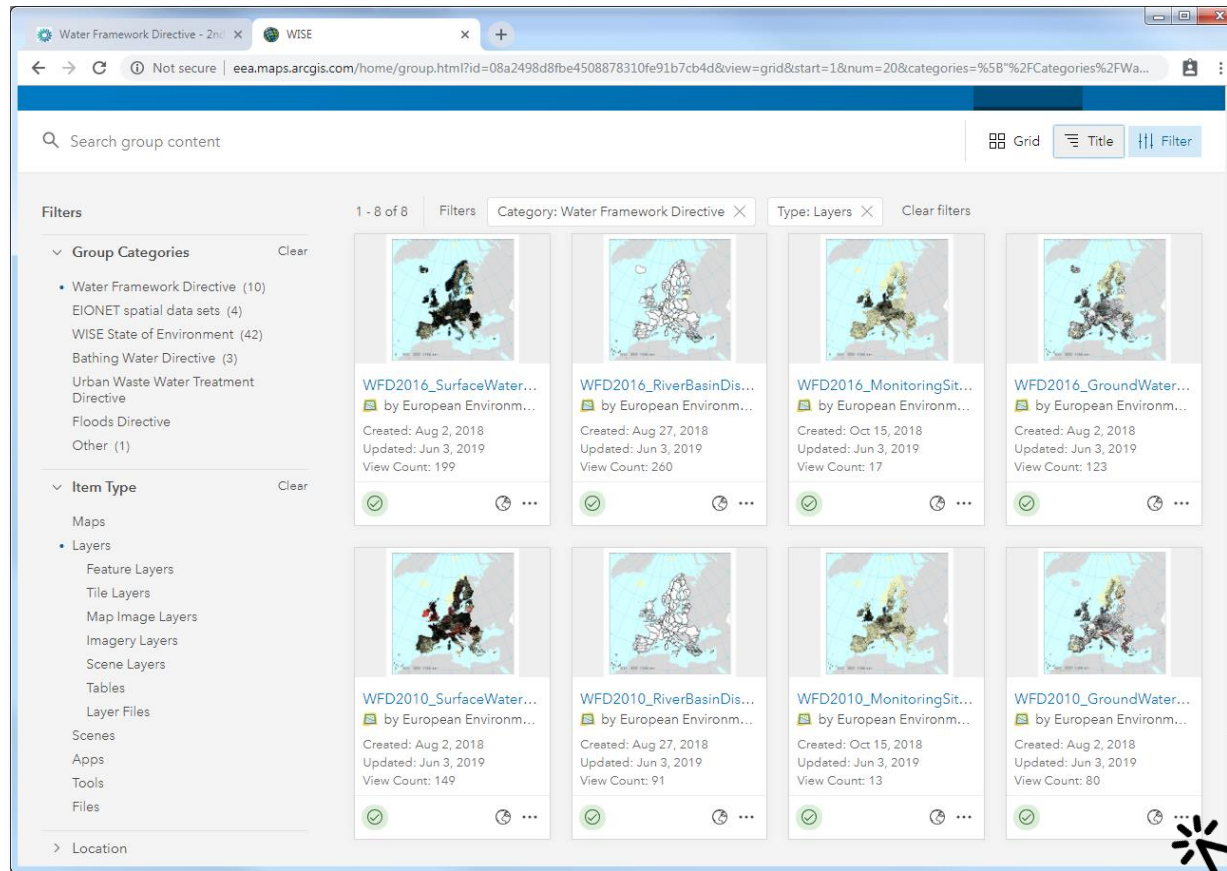


Click the image
to access the online version...



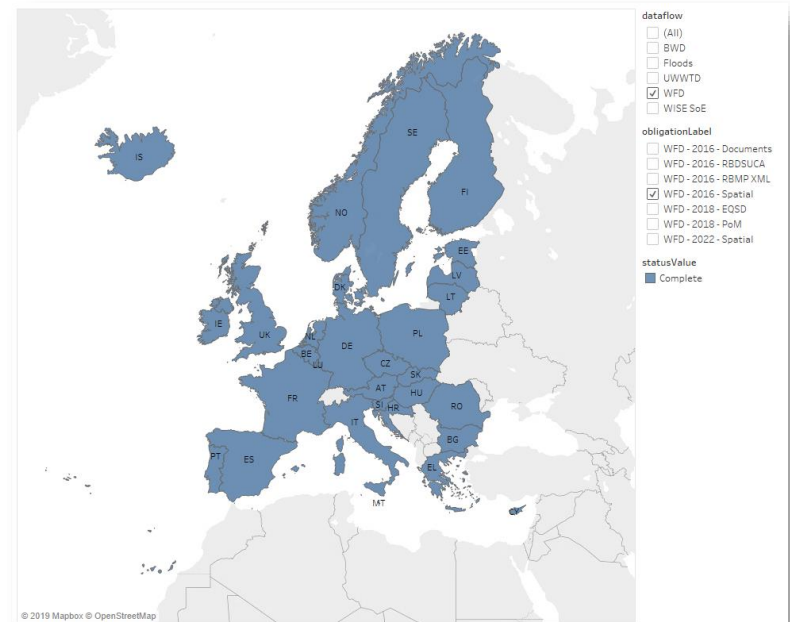
WFD reference datasets

- The source for most of the data is the Water Framework Directive reporting ([link](#))



WFD reference datasets

- The EU-28 Member States, Norway and Iceland have already reported the spatial reference datasets associated to their River Basin Management Plans.
- The data was reported under the [Water Framework Directive - River Basin Management Plans - 2016 Spatial data](#) reporting obligation (WFD2016 Spatial).
- Complete country shapefiles are available for the authorised national reporters in the [WISE restricted access area](#). Note that the files may include information that is not published, e.g. monitoring sites with confidential location.
- The [WISE WFD reference spatial data sets](#) are available in the EEA website.
- The published European dataset will be updated to include data for Lithuania, Greece, the Canary Islands and Gibraltar, when the remaining non-spatial WFD data is reported and processed.

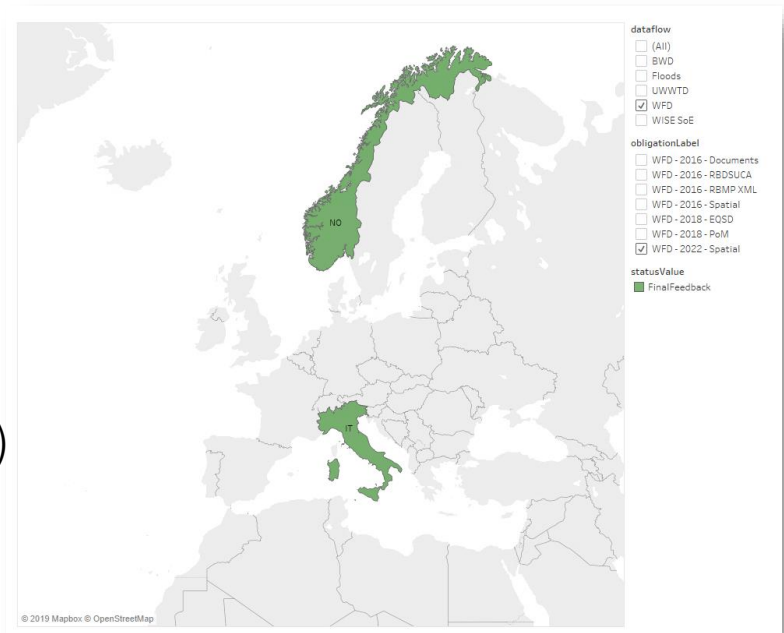


WFD reference datasets

- For the EU-28 Member States, Norway and Iceland no additional reporting or resubmission is expected under the WFD2016 Spatial reporting.
- Any change to the existing river basin districts (RBD), subunits, water bodies or monitoring sites should be reported under the [Water Framework Directive - River Basin Management Plans - 2022 Spatial data](#) reporting obligation.

For example:

- Norway and Italy have recently delivered updates to their WFD datasets.
- Their envelopes are pending final feedback, but will be processed in time for the time series reporting under WISE SoE.
- For Norway, the update includes a new file with a large set of WFD monitoring sites (that had not included in the WFD2016 reporting) and their relation to legacy EIONET sites.
- For Italy, the update includes a redelineation of the RBDs and the concomitant changes to subunits, etc.



EIONET

spatial data



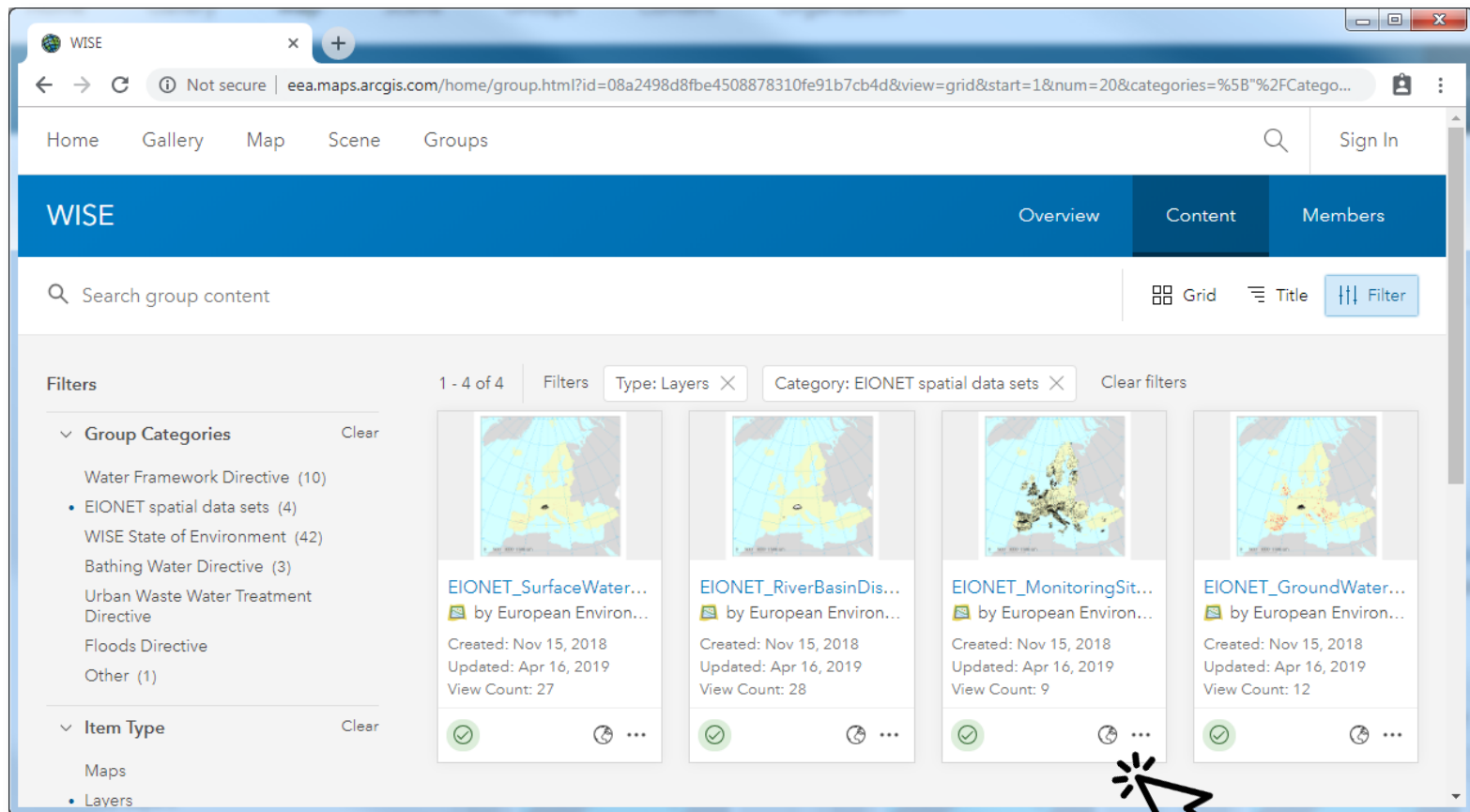
EIONET reference datasets

- Since 2000, the 33 EEA member countries and six cooperating countries have reported information on water quantity and water quality under the EIONET WISE SoE dataflows. The annual reporting also included information about the location of monitoring stations and the geometry of surface and groundwater bodies.
- In 2015, the WISE SoE data flows were revised and consolidated. The same data model used in the WFD Spatial Data was adopted for the EIONET spatial data, and the [WISE - Spatial Data \(WISE-5\)](#) reporting flow was created.
- The legacy data reported until 2013 to the EEA under the terminated EIONET reporting obligations* was converted to the new spatial data model.
- Following the principle of “report once, use many times”, the EIONET data sets only have to be reported once. Resubmissions are only necessary if there are changes.
- Complete country shapefiles are available in the [WISE restricted access area](#) (including information that is not published, e.g. monitoring sites with confidential location).

*River quality (EWN-1), Lake quality (EWN-2), Groundwater quality (EWN-3), State & Quantity of Water Resources (EWN-4).

EIONET reference datasets

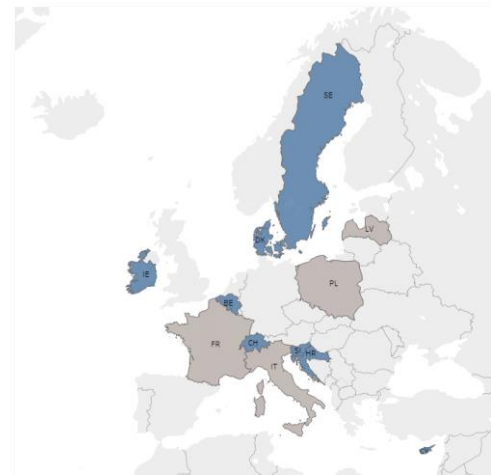
- The EIONET spatial data sets were compiled from legacy deliveries (<2016) updated with recent WISE-5 deliveries ([link](#))



Click the image...

EIONET reference datasets

- The countries that do not report under WFD should report under the WISE-5 data flow.
- This includes: **Liechtenstein, Switzerland, Turkey, Albania, Bosnia and Herzegovina, Kosovo, Montenegro, Republic of North Macedonia and Serbia.**
- Presently (2019-09-17) only Switzerland has completed a full submission – so no further delivery is expected.



What about

EU-28,

Iceland and

Norway?



Click the image...

To conclude...

How to report in WISE-5?

[http://cdr.eionet.europa.eu/help/WISE SoE/wise5](http://cdr.eionet.europa.eu/help/WISE_SoE/wise5)

The WISE-5 data flow includes the EIONET spatial reference datasets relevant for the Water Information System for Europe.

WISE-5 uses the same data models as the [Water Framework Directive - River Basin Management Plans - 2016 Spatial data](#) reporting and the [Water Framework Directive - River Basin Management Plans - 2022 Spatial data](#) reporting.

Data Providers that do not report under WFD should report their reference spatial data under WISE-5. This includes: Liechtenstein, Switzerland, Turkey, Albania, Bosnia and Herzegovina, Kosovo, Montenegro, Republic of North Macedonia and Serbia.

If necessary, Data Providers that report under WFD should use the [Water Framework Directive - River Basin Management Plans - 2022 Spatial data](#) data flow to update their reference spatial data. Presently, this includes: the EU-28 Member States, Iceland and Norway.

Data Providers that report under WFD may also use the WISE-5 data flow to provide information on **EIONET spatial objects** not covered by the WFD reporting, although it is expected that this will be an exceptional situation.

Data Providers that report under WFD should use WISE-5 to report missing information about EIONET spatial objects reported before 2016 or the mapping between those EIONET spatial objects and the current WFD spatial objects.