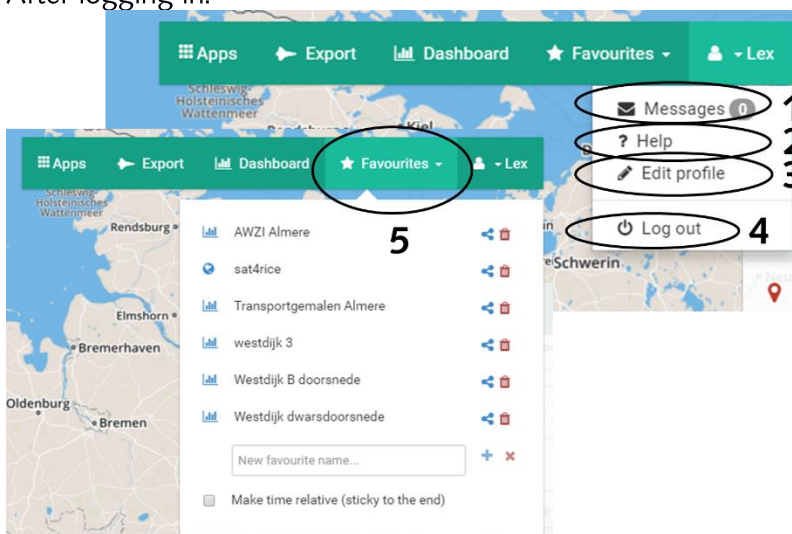# Manual

Content

Basic elements

Before logging in:

1. Log in (for private data)
2. Open help screen
3. Switch to dashboard view
4. Open export screen
5. Links to partner platforms and applications
6. Adjust view period in timeline
7. Zoom in and out on map
8. Search for addresses, dates, names or codes/tags
9. Open and close data menu
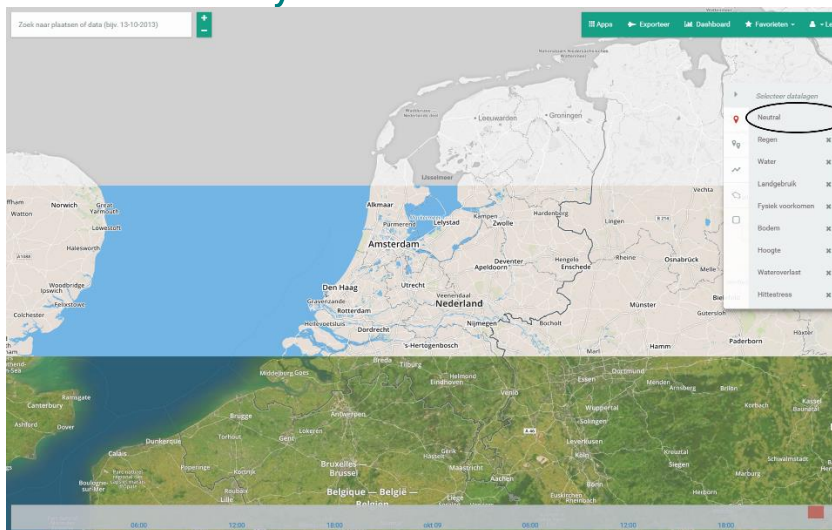10. Selection tools to query data on the map

After logging in:

1. Message inbox
2. Open help screen
3. Edit your profile
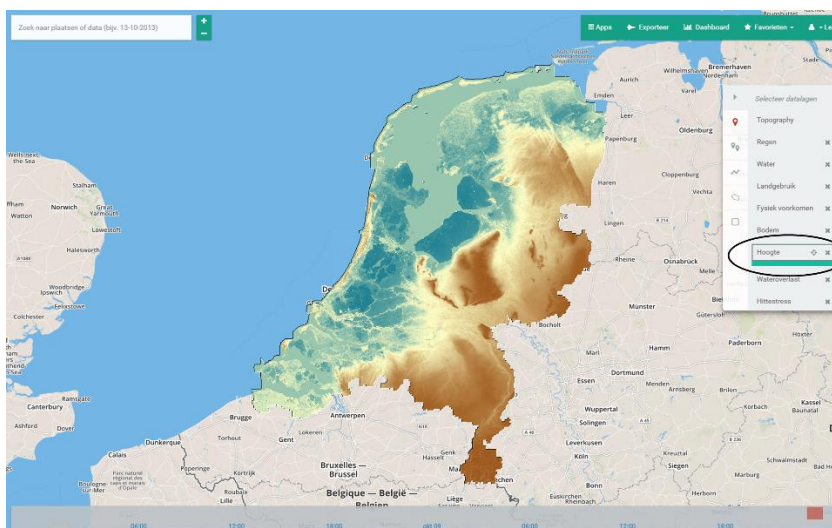4. Log out
5. Manage favourites

Manual

Data menu and layers

The topmost entry in the data menu toggles between the following base layers:
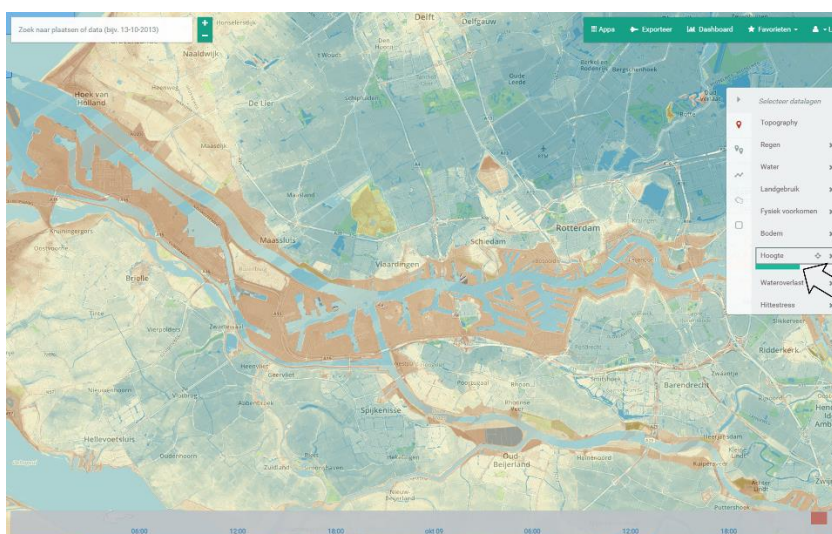- **Neutral**
- **Topography**
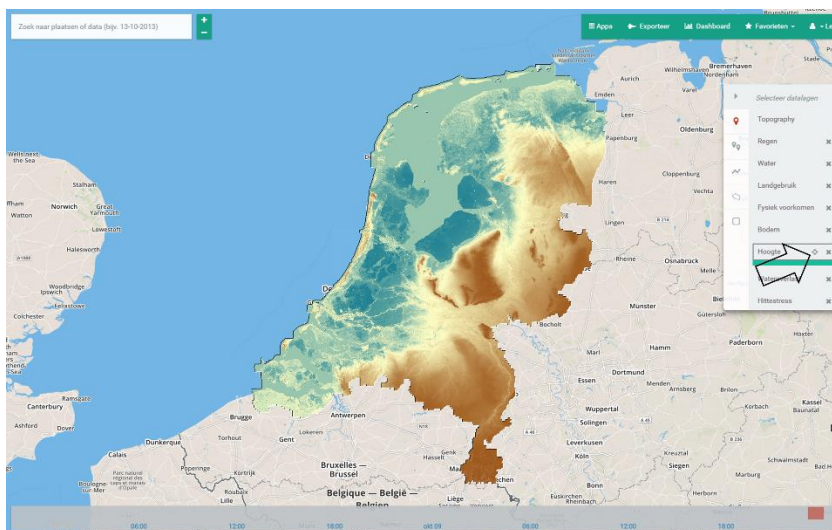- **Satellite**

Click a data layer to activate it.
NOTE: data layers need to be active to retrieve information from them in the map.

TIP: You can rescale the colour scale of the elevation layer (DEM) >> Double click the layer in the menu.
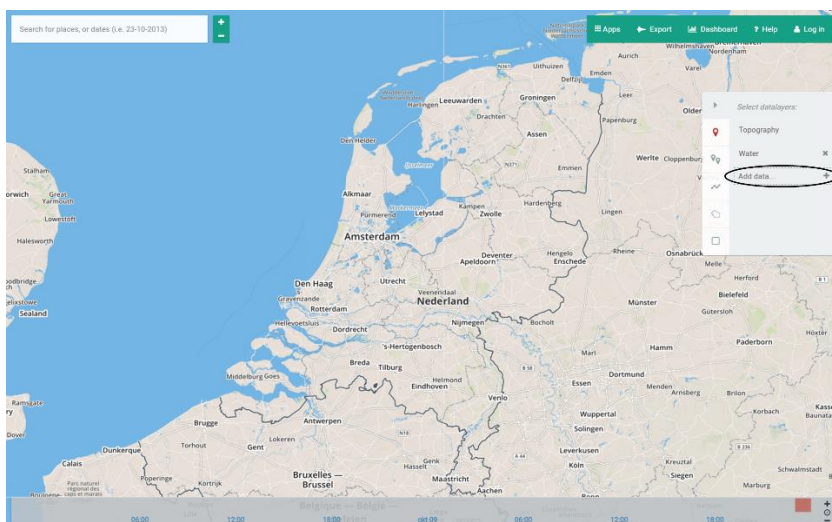

Adjust the **opacity** by clicking the green bar below the activated data layer.
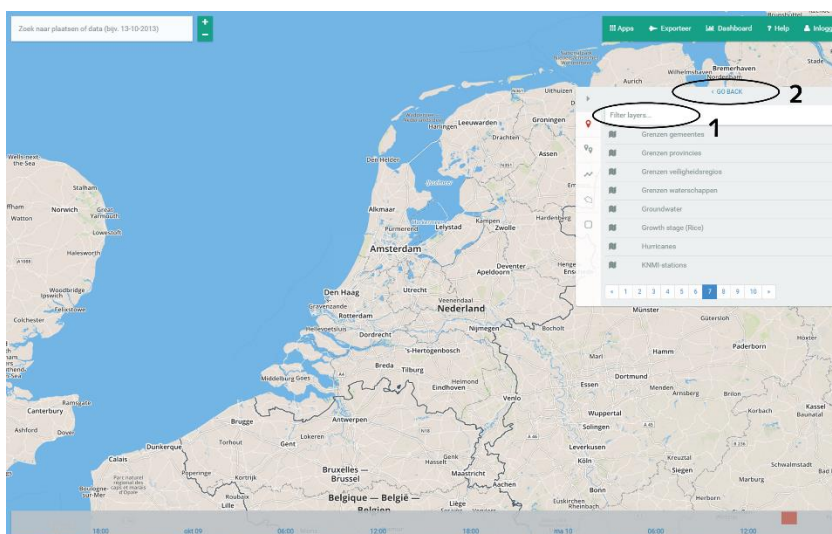
Upon activating a raster layer a crosshair appears. By clicking it the application zooms to the full data extent, both in space and time.

Want to see more or other data layers? Just add data that is available to you/your organisation.
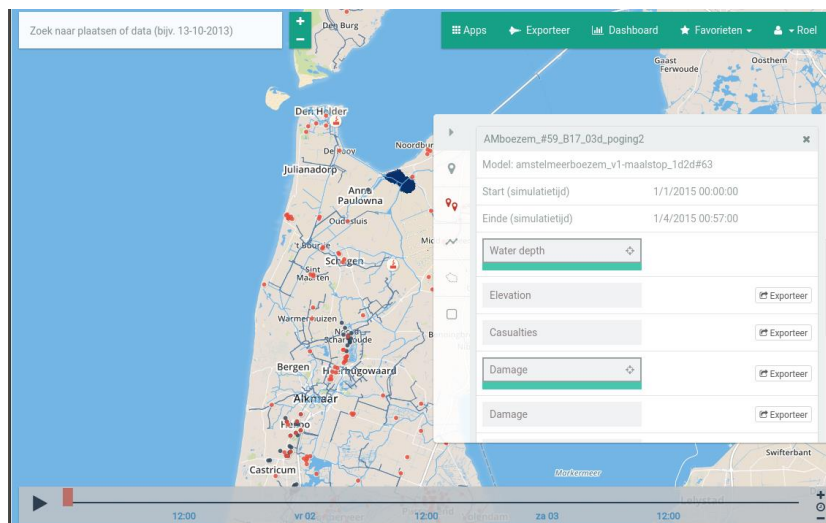
Hit the button in the bottom of the data menu: **Add data**. Clicking the cross (**x**) in the layer bar removes it from the menu instantaneously.

This is the **Add data** interface. Use the search bar to navigate through the data layers that you or your organisation are authorized to see.

1. Search bar.

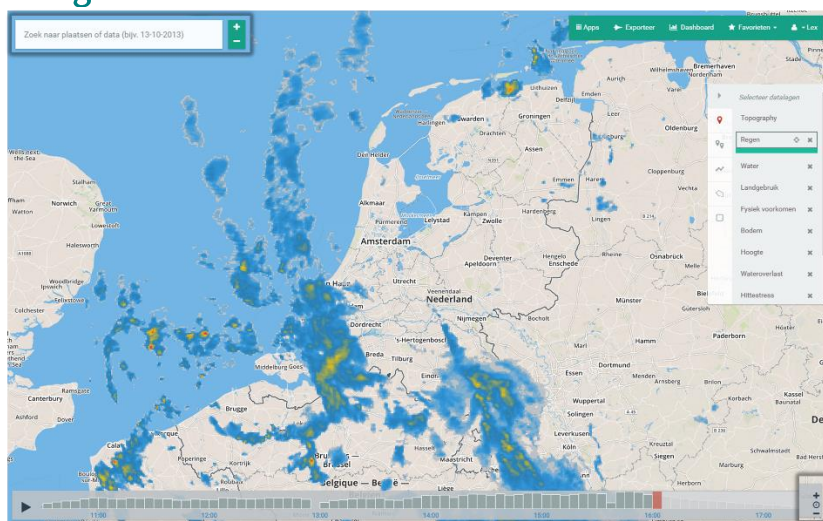2. Close the Add data interface and go back to the data menu.

Manual

One of the available data layer types are 3Di scenarios. A scenario is a combination of layers and products that belong to a 3Di model run. Click a scenario layer to expand it and activate data layers or download products.
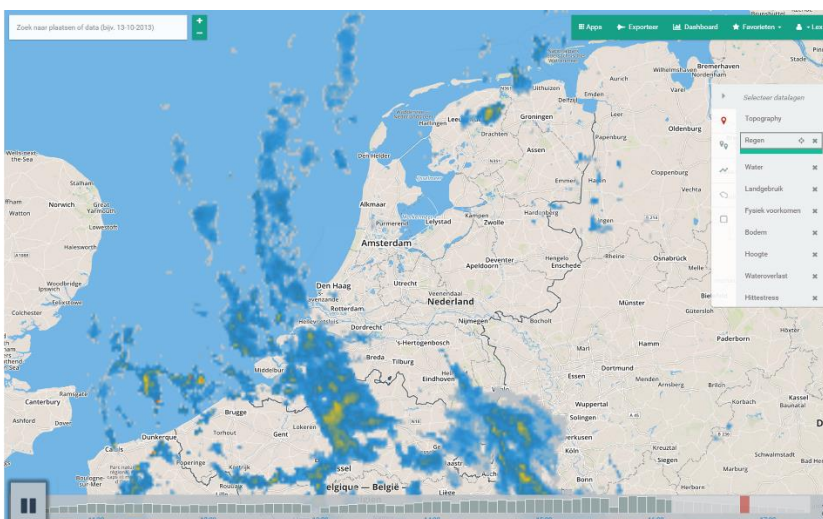
Manual

Navigation in time

Search for the period you are interested in through the search bar or use the buttons next to the timeline.

You can adjust the period by panning, zooming or dragging the timeline. Click the blue time indicators under the timeline to zoom to a particular year, month or day.

Raster layers with a time component (temporal raster layers, e.g. Rain radar) can be animated.

Start or pause the animation using the button on the left-hand side of the timeline.
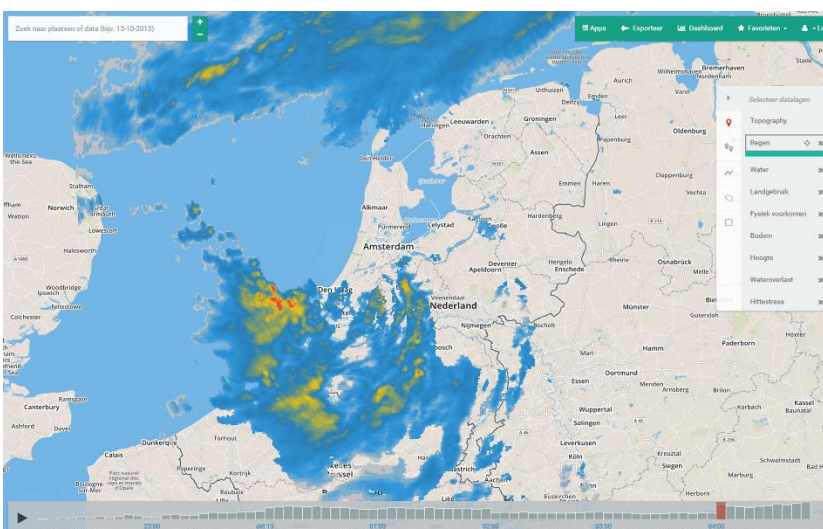
When the layer 'Regen' (Dutch Rain radar) is active the bars in the timeline show the distribution of rainfall in time for the area on your screen.

The length of the selected period of time determines the aggregation level of the rainfall data. This can be 5 minutes, hour or day.
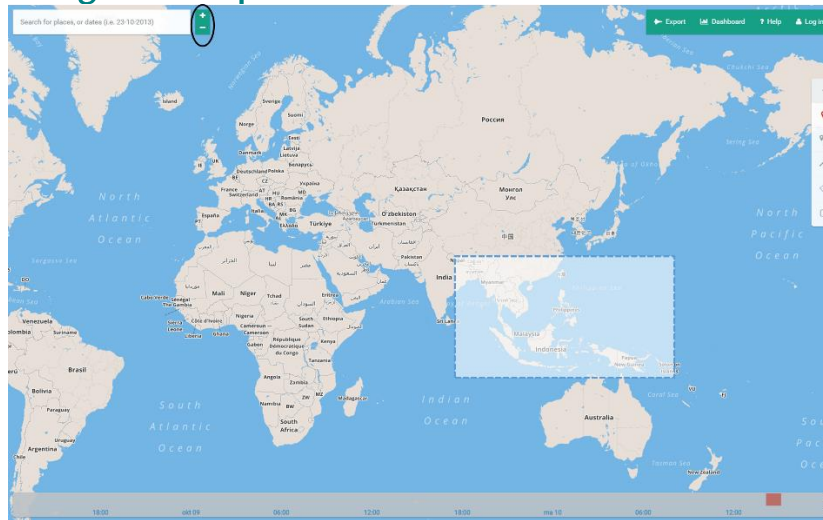
Dutch rainfall data is available from January 2010.
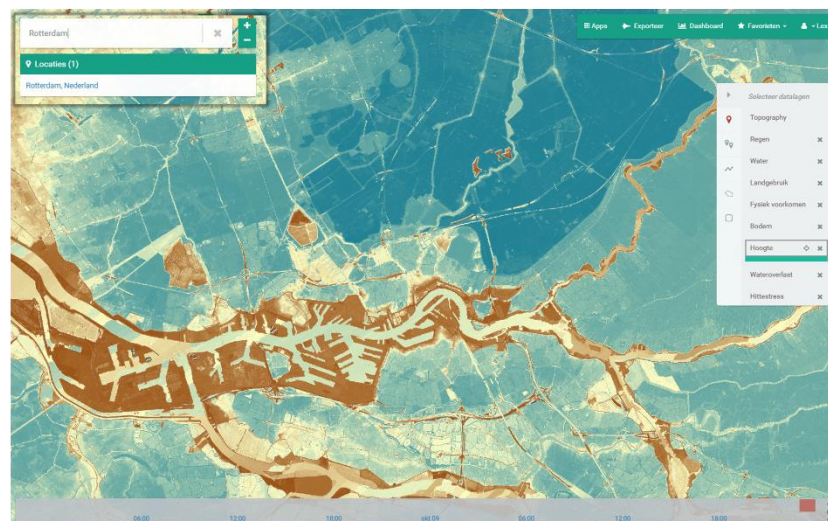
Manual

Navigation in space

Zoom in and out on the map by using the buttons next to the search bar.

Looking for a specific region? **Drag a frame** with your mouse while holding SHIFT. This feature enables you to navigate to the selected area (e.g. to Southeast Asia).
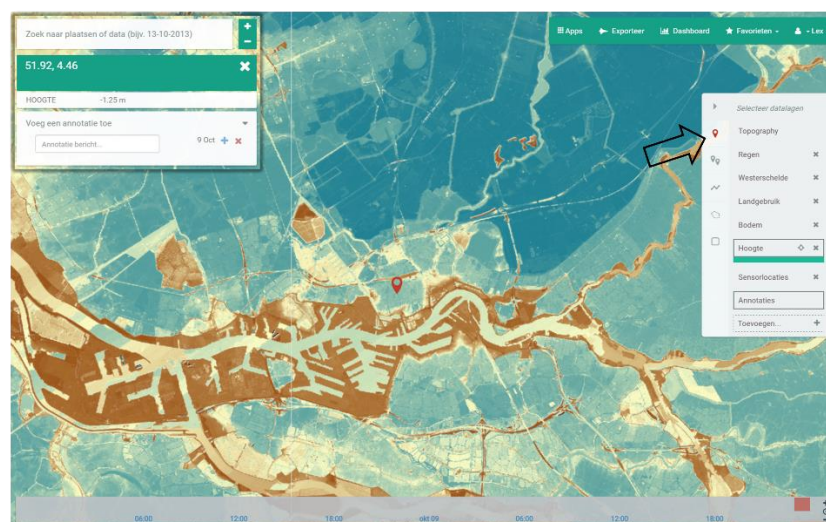

Use the search bar to navigate to specific locations like countries, cities or addresses.

Manual

Retrieve information from data layers
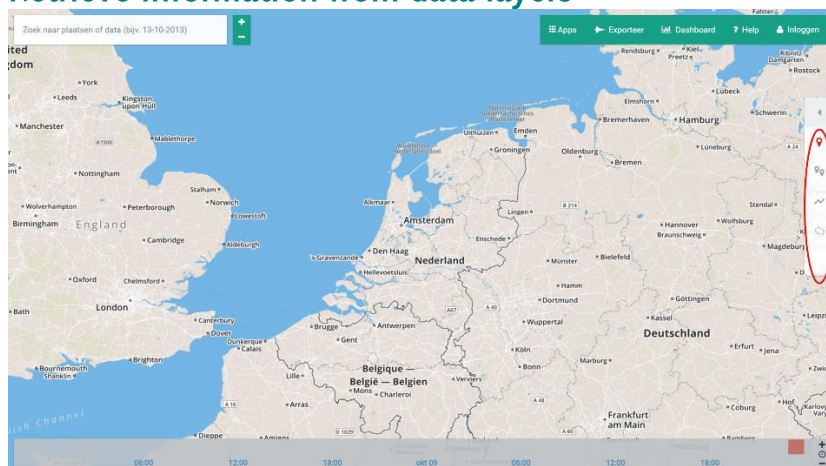
There are 4 selection tools:
- **Point**
- **Multipoint**
- **Line**
- **Region**

Point selection retrieves asset information, time series and map values from the active data layers. Results are displayed on the left.

With the Annotation layer being active you can enter annotations to objects or locations. Further explanation can be found in chapter 7 of this manual.
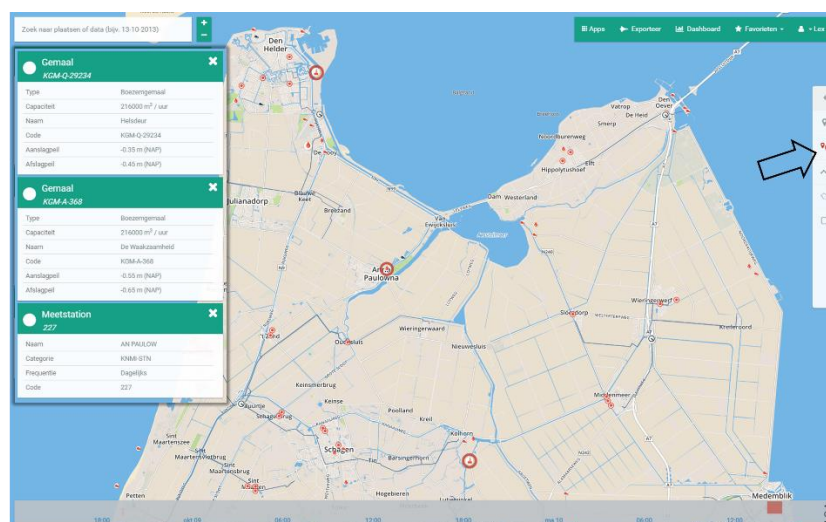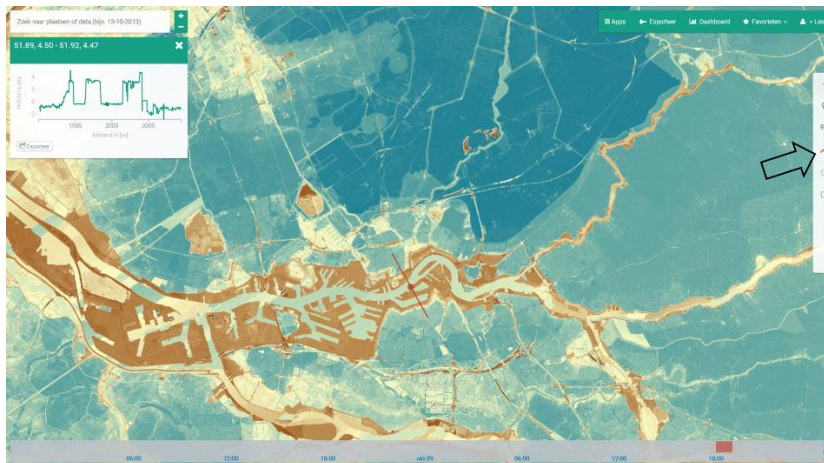

Use the **multipoint** tool to select multiple objects and/or locations.

NOTE: When multiple assets are selected time series are not displayed. Go to dashboard view to see them.

TIP: Add a set of locations to a favourite (see chapter 7) to always have them available instantaneously.
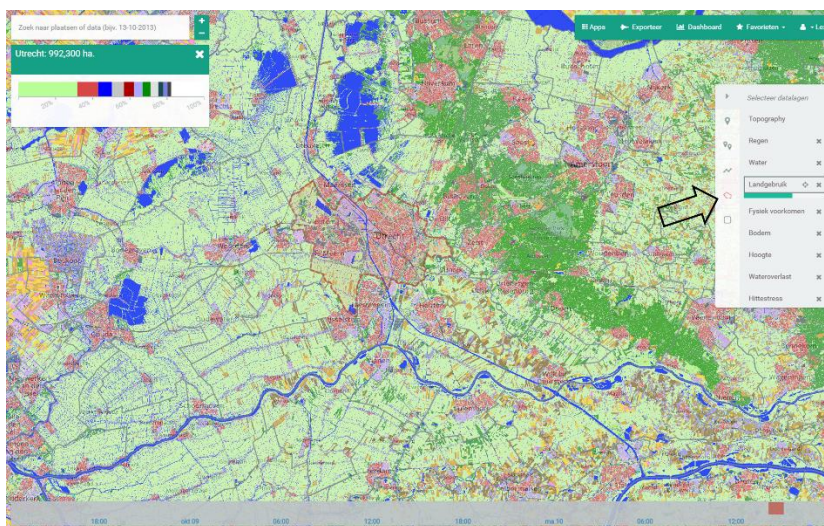
Manual

Use the **line selection** tool to retrieve data along a profile, e.g. elevation from a DEM.

1st click: Start point
2nd click: End point
3rd click: Reset

Hovering along the profile on the map shows a corresponding indicator in the graph.

The **region selection** tool aggregates data of the selected region (here land use in the city of Utrecht).

Supply us with your areas of interest in order to customize this feature, e.g. drainage areas, catchments or governmental units.
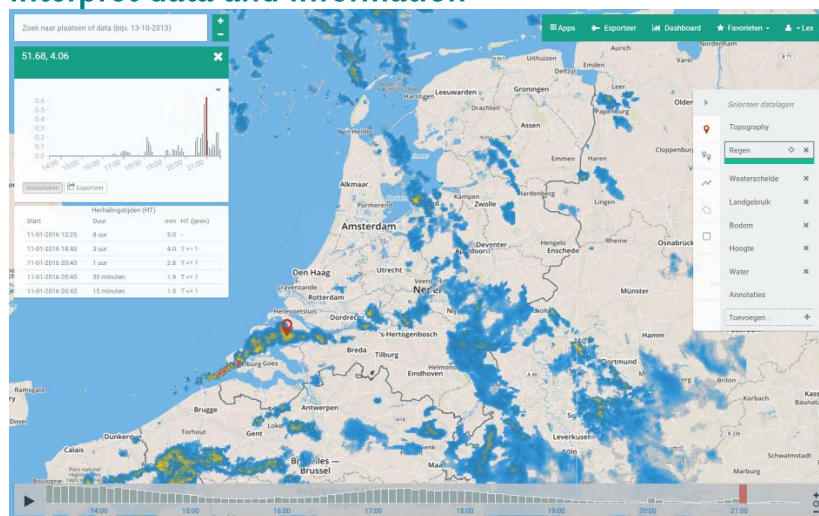
Hover over the classes in the diagram to see more information.

Manual

Interpret data and information

Results of selected locations, assets and regions are displayed on the left side of the screen.

Share your findings with others through favourites (see chapter 7).

TIP: No results shown? Check your selection of space and time and whether you activated the right data layers.
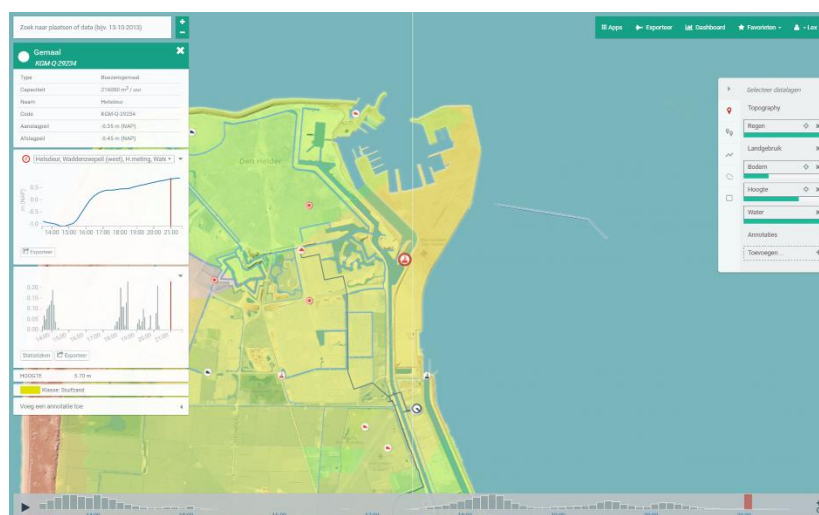
Activate multiple layers in order to get a more integral scope on situations or to see interaction between locations.

Lizard enables sharing asset, time series and raster data between organisations to provide (water) managers with a better overview of systems and processes.
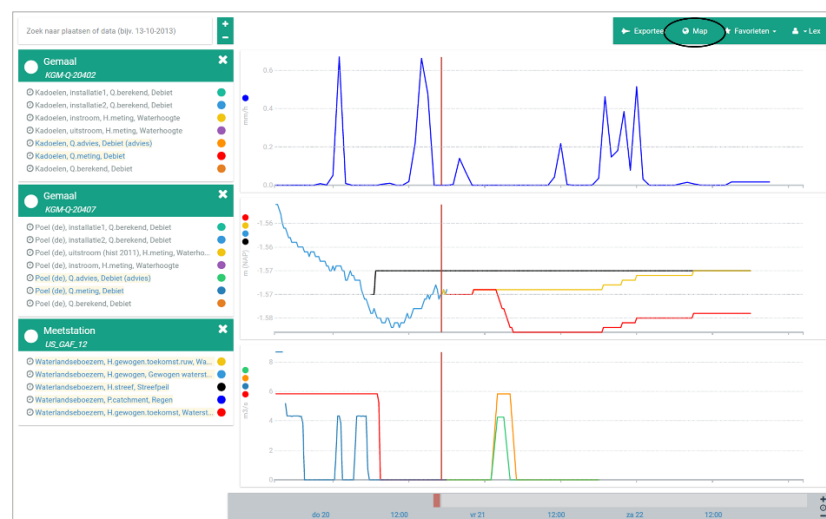
Switch between map view and dashboard with the **Dashboard/Map** button.

NOTE: If multiple locations with time series are selected initially there are no time series displayed. Click time series in the menu to show/hide them.

Manual

Adjust the colour of a line by choosing from the scale that opens by clicking the coloured dot.

Drag multiple time series items into one graph to combine them.

By scrolling or dragging within the graph the domain of the Y-axis can be changed.
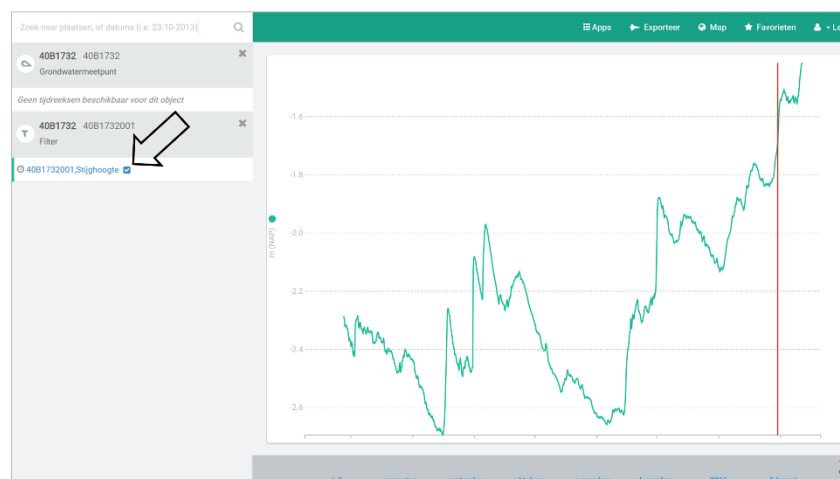
If a waterlevel time series (in mNAP) is related to an asset that has an attribute surface level a **check box** appears behind the title.

Selecting this check box computes the waterlevel compared to ground surface. This enables analysis of **drainage depth** or **freeboard**.

The option also applies to the export of these time series.
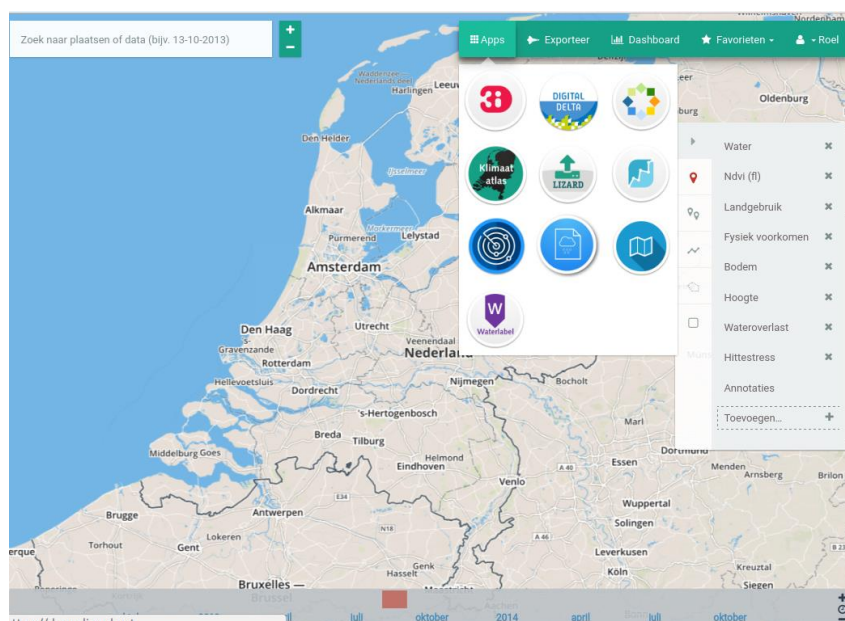
In order to examine your data in further detail open one of our partner platforms through the **Apps** screen.
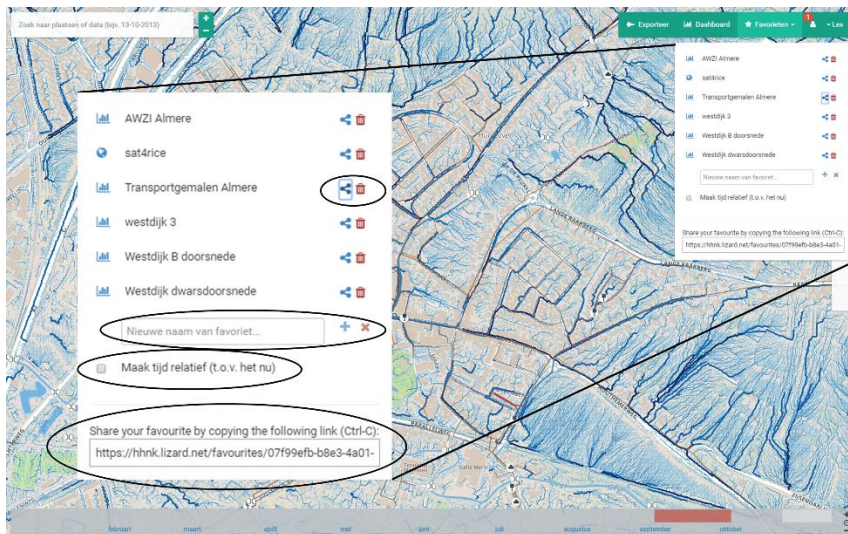
NOTE: Apps are not available by default in every Lizard portal.

TIP: Share data with colleagues from different fields of expertise to get a more integral grasp on data, information and system performance.

Manual

## Export and share data and information

You can save a Lizard state with data of one or more assets, maps or time series as a **favourite** and share it with others.

Open the **Favourites** dropdown and enter a name/short description. You can save a specific period or one that is relative to 'now'. In that case the favourite is always up to date.

Click a favourite to load the Lizard state that was saved in it. A link to the favourite can be retrieved by clicking the blue symbol next to the delete button.
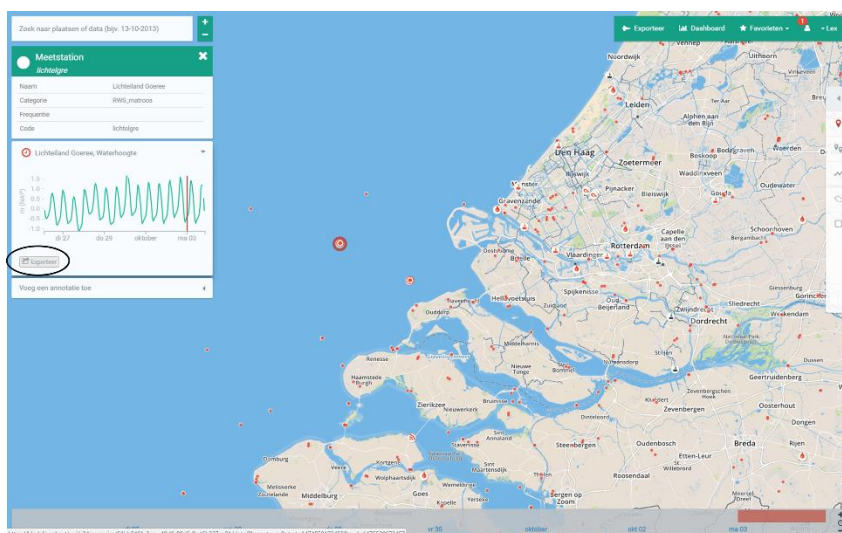
Time series can be exported to .CSV format with the **Export** button below the graph.
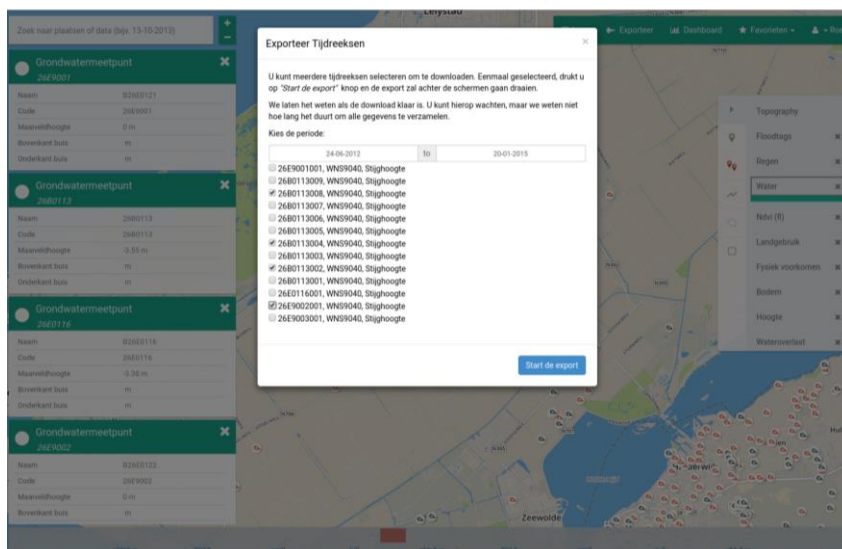
If you want to export multiple time series for a specific period in time you can use the **export screen**. Click the **Export** button at the top of the screen and select period and the time series you are interested in. The export format is .XLSX with separate sheets for each time series. Further instructions are provided on screen.
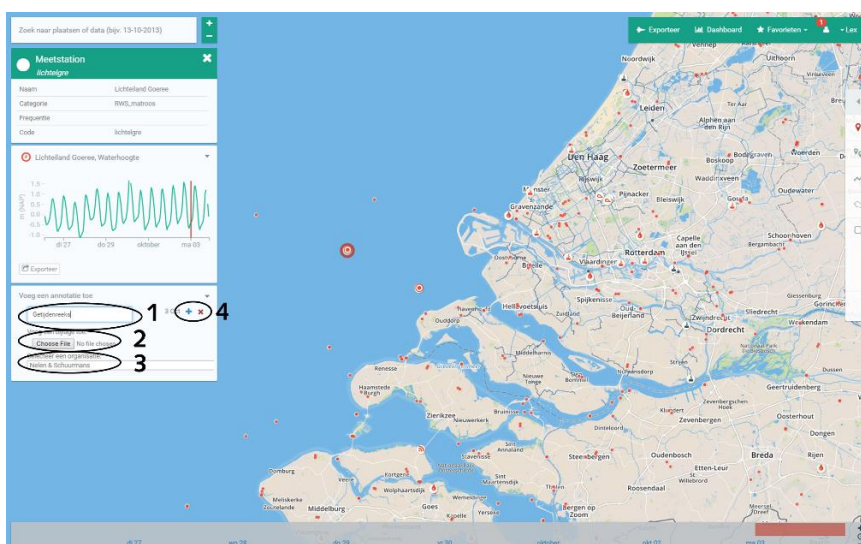
By adding an **annotation** to an object or location you can make notes or share remarks with others.

Select an object or location on the map while the annotation layer is activated:
1. Write a message
2. Upload a file (max. 15 Mb) to support the message
3. Select the organisation to share the annotation with
4. Save the annotation (or delete one)

TIP: Select the relevant moment in time to link the annotation to, such that it relates to an event and can easily be traced back.