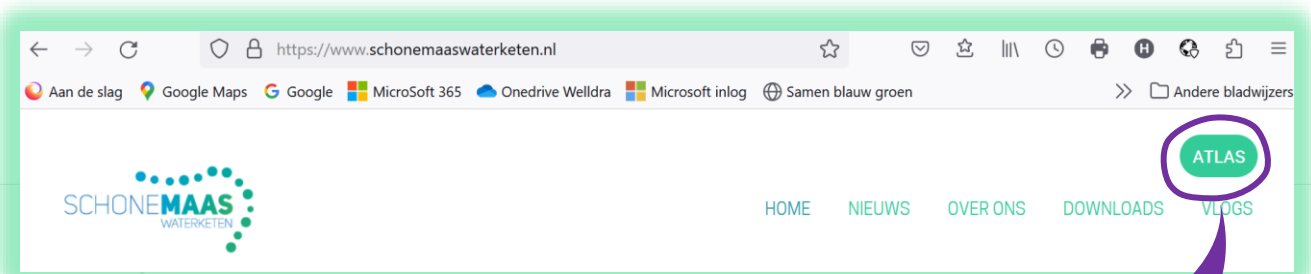


# Collecting and Sharing Data

To get a complete picture of the River Meuse basin



*Welcome! Let's find good examples and ideas!*



# Atlas for a Clean Meuse

about the Meuse river basin, the water quality, the origin of contaminants and actions to make the Meuse river basin cleaner

Scroll down for the story about the Meuse  
August 21, 2023

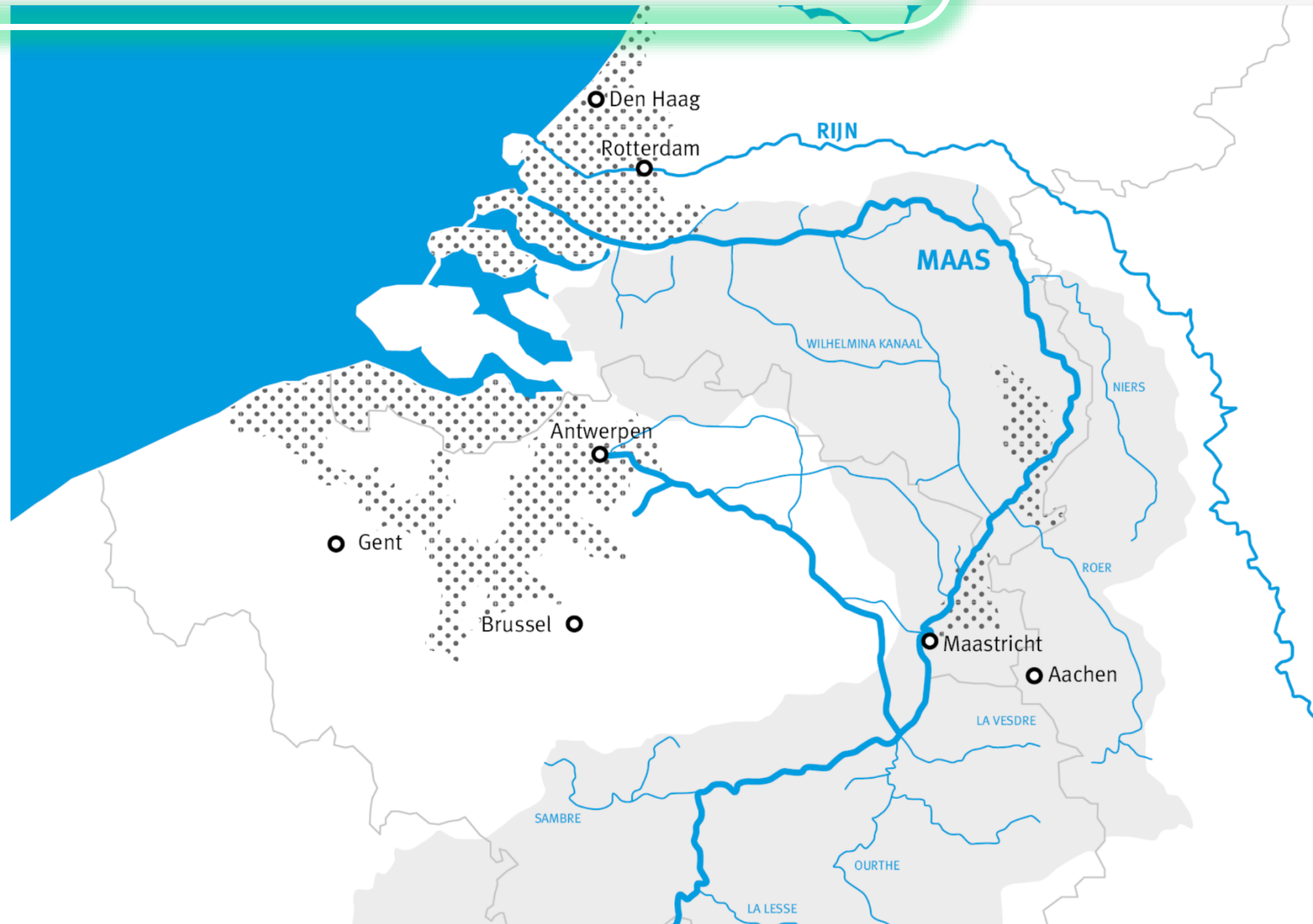
Originally in Dutch.  
Automatically translated in Google Chrome.

## Drinking water from the Meuse, use outside the catchment area

The map on the right shows the catchment area of the Maas (light blue) and the places where drinking water from Maaswater is used (dotted shading). The map makes it clear that a large proportion of these users do not live within the Meuse catchment area. This concerns, for example, a large part of Flanders and the regions of Rotterdam and The Hague.

We now zoom in on the water quality within the Meuse basin.

**About 7 million people use drinking water made from the River Meuse**



## Water quality development along the Meuse

The map on the right shows measurement points along the Meuse, from Tailfer in Wallonia to Stellendam. The graph below the map shows the course along the Meuse of the average concentrations of drinking water-relevant substances in micrograms per litre. In the map, substances, measurement locations and periods can be selected on the left. In this way, concrete measurement values of specific substances along the Meuse can be retrieved.

*There are several graphs that you can find via the arrows left and right below the graph. The measurement data come from the period 2007-2019 [to be expanded]. Over time, the number of measured substances and the number of measurement locations has increased. The first three graphs show mean values (G). The fourth graph shows the measured values versus the flow rate in the Meuse (D). The last three graphs show maximum values (M).*

*For the first graph (G1 and M1) it is useful to choose a year (average concentration of the substance(s) in that year). Not so for the other graphs.*

**Stof**  
Geen selectie

**Meetlocatie**  
Geen selectie

**Periode**  
Geen datum geselecteerd

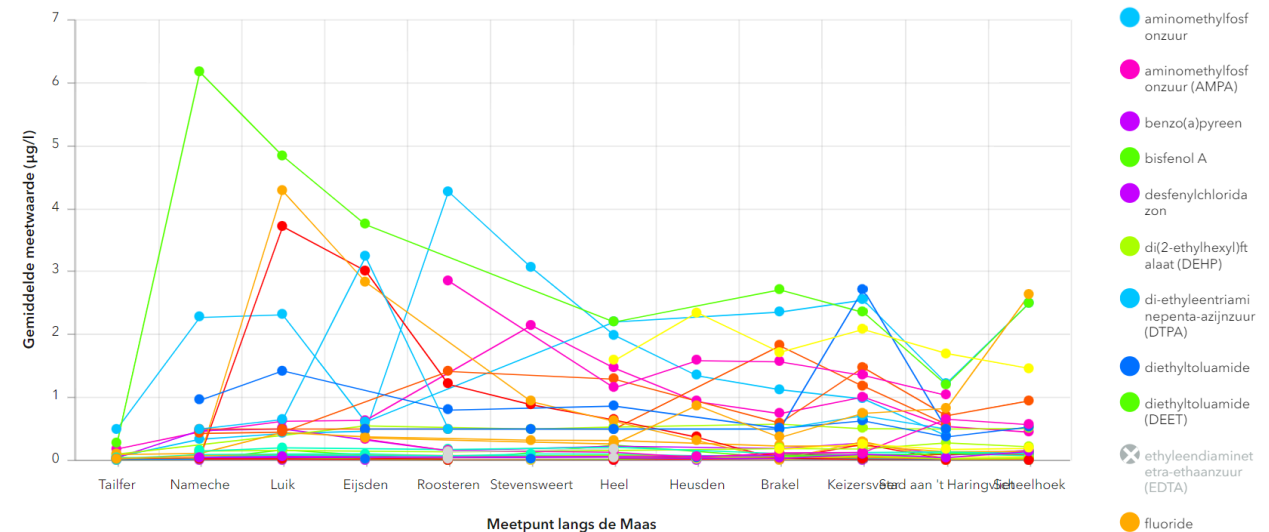
**Selecteer jaren**  
Geen selectie

**Selecteer maand en jaar**  
Geen selectie

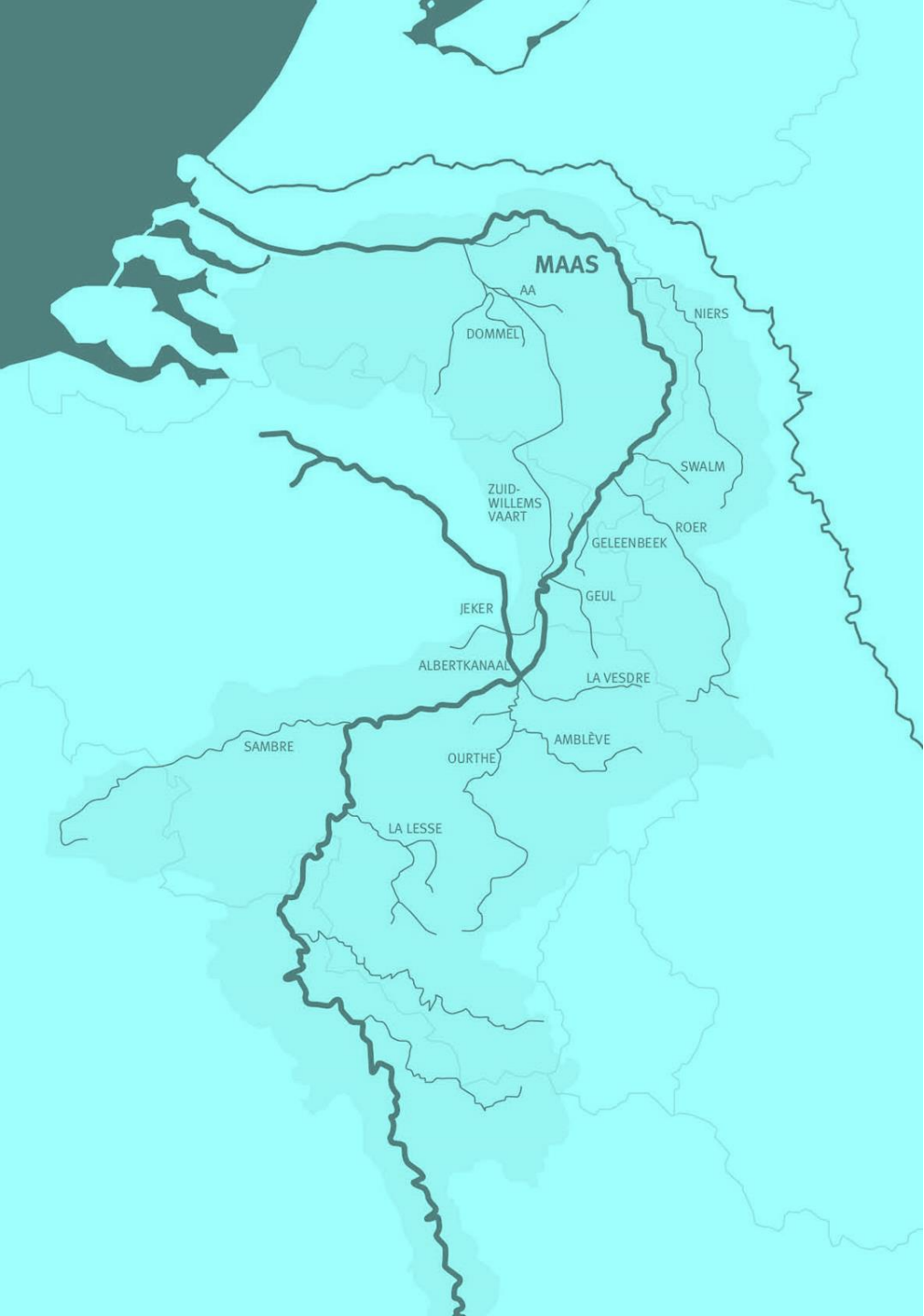
**Maximum concentratie is**  
Geen nummer geselecteerd



Gemiddelde meetwaarde per stof (µg/l) per meetpuntlocatie



(G1) Gem. concentratie per stof per meetlocatie



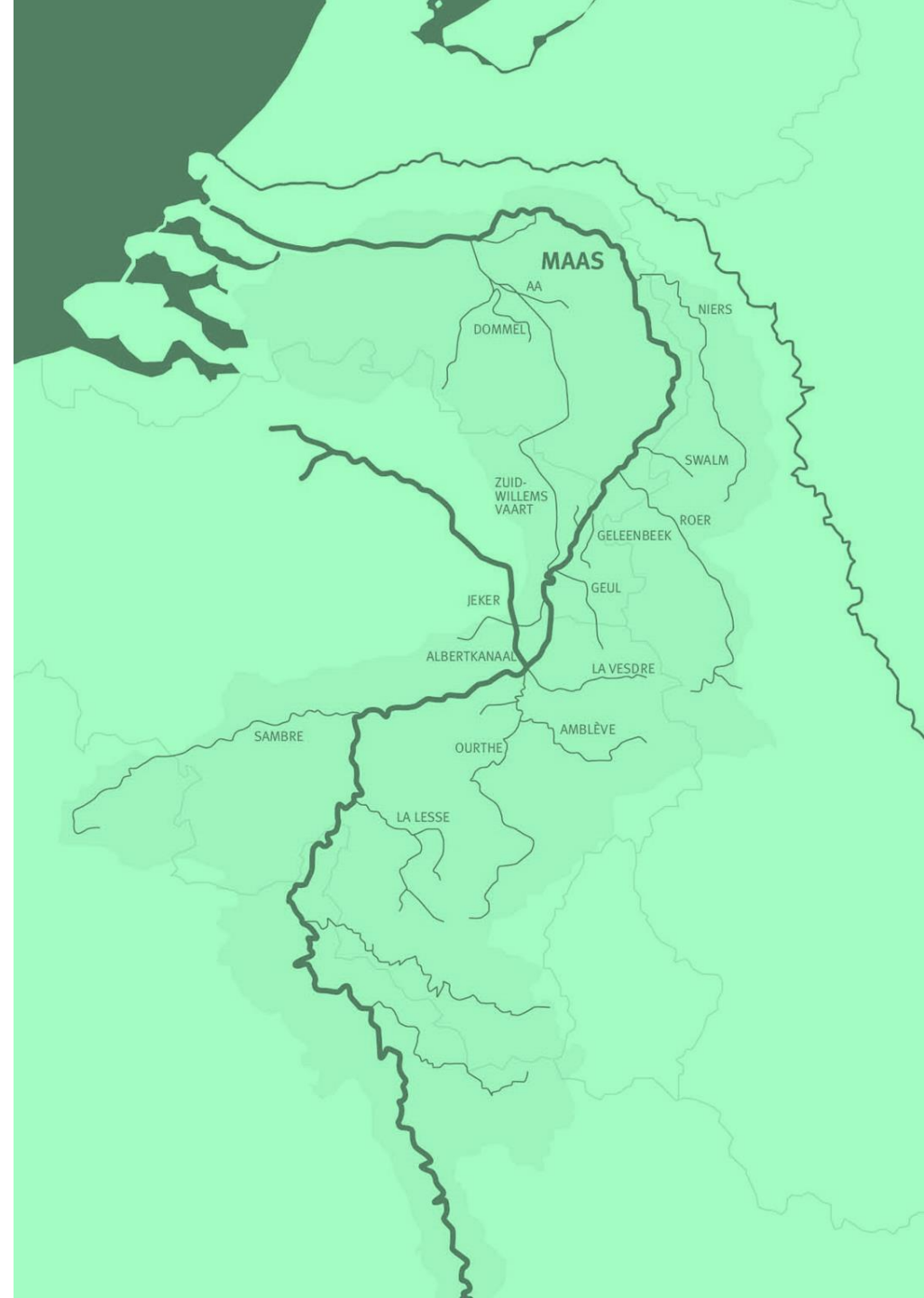
*Who wants to show his/her  
example of water quality  
information in Flanders,  
Wallonië, Germany or  
France?*

*What are you proud of? 😊*

Please add websites  
and contact persons  
on the flipovers

*What information would  
you like to gather /  
What pictures would you  
like to make  
concerning water  
quality?*

Please share your ideas  
with sticky notes; put  
your name on it



## Permits in the picture

Within the Clean Meuse Water Chain, we want to get a good overview of the discharge permits. These permits have been collected in different ways by various implementing organizations and are not always available digitally. Step-by-step, we are working towards the central disclosure of permits, so that, for example, a quick overview can be obtained of where, which substances, and in what quantities may be discharged.

Rijkswaterstaat Zuid Nederland has made available all permits for direct discharges on the Maas, for which they are the competent authority. The permits are indicated in the map below. Among other things, you can search for specific substances or a specific company.

The permits of the Limburg, Aa en Maas, Dommel and Brabantse Delta water boards for discharges into their regional waters are also included in the atlas.

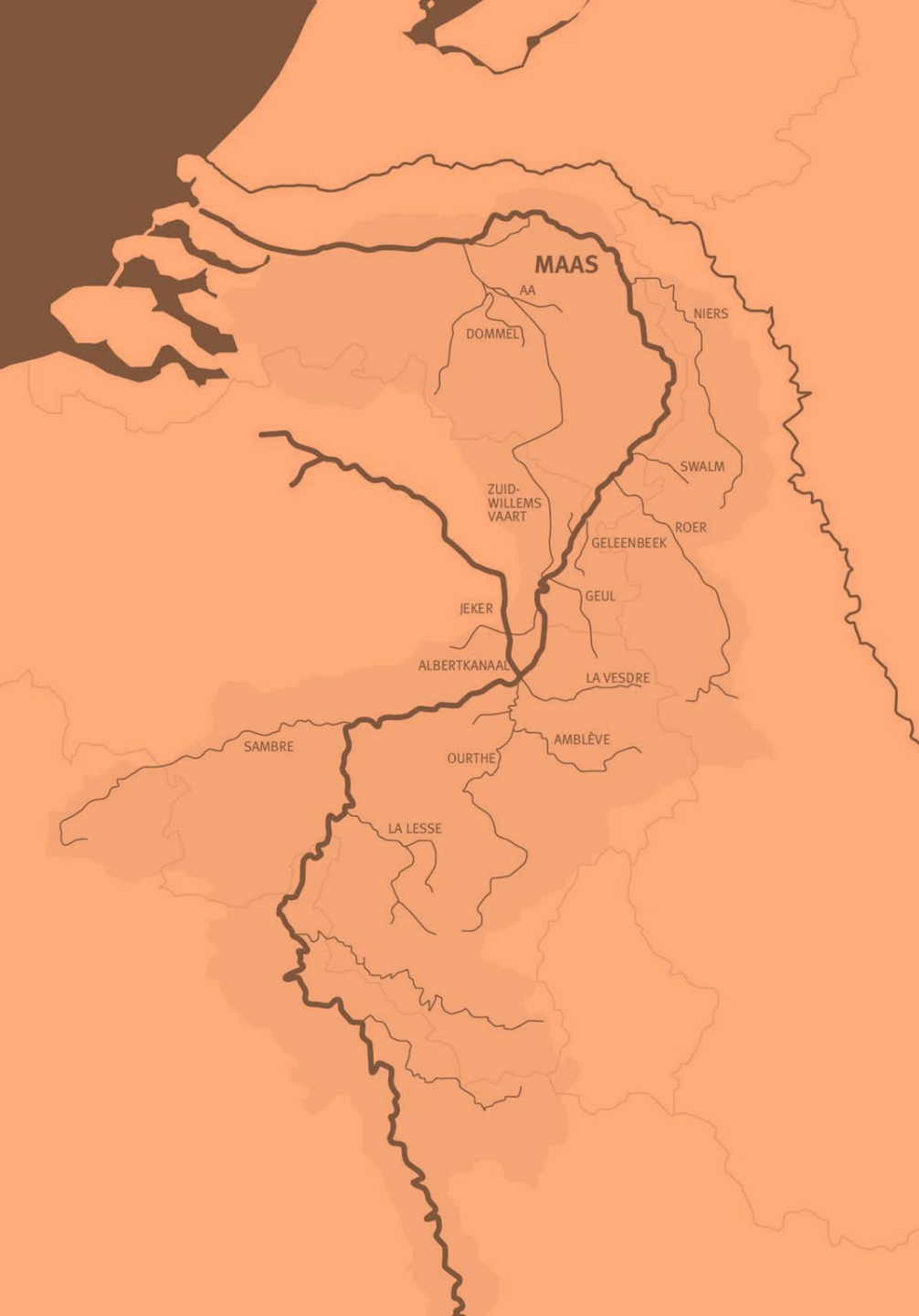
By clicking on a location in the map, information about the company name and discharge criteria is accessed and the applicable permit can be viewed (available as a PDF). N.: zoom in enough on the map to see the information of only 1 permit. A permit is not always required. The Activities Decree already specifies which requirements must be met for a number of activities.

- To quickly see which permit conditions apply to a location in the middle column, select 'point' at the top left of the map. Then click on a point in the map and you will see the conditions. To find the permit

<b>Bedrijfsnaam</b> Geen selectie	2019-Z4532 Geldig van: 15-12-2020 01:00 tot 31-12-2021 01:00 ampa: 120 microgram per liter
<b>Stof</b> ampa	2019-Z4532 Geldig van: 15-12-2022 01:00 tot 31-12-2022 01:00 ampa: 85 microgram per liter
<b>Bemonsteringswijze</b> Geen selectie	2019-Z4532 Geldig van: 1-1-2023 01:00 tot 31-12-2027 01:00 ampa: 10 microgram per liter
<b>Bewerkingsmethode</b> Geen selectie	
<b>IPPC</b> Geen selectie	
<b>Vergunning afgegeven door</b> Geen selectie	
De data van de vergunningen zijn afkomstig van Rijkswaterstaat en de waterschappen Limburg, Brabantse Delta, Aa en Maas, De Dommel, Hollandse Delta en Rivierenland.	
Hieronder is de legenda van de bemonsteringspunten:	

**Vergunning Sitech Services B.V.**  
Locatie: Sitech Services B.V.

Sitech Stein 2019-Z4532.pdf



*Who wants to show his/her  
example on licenses?  
What are you proud of? 😊*

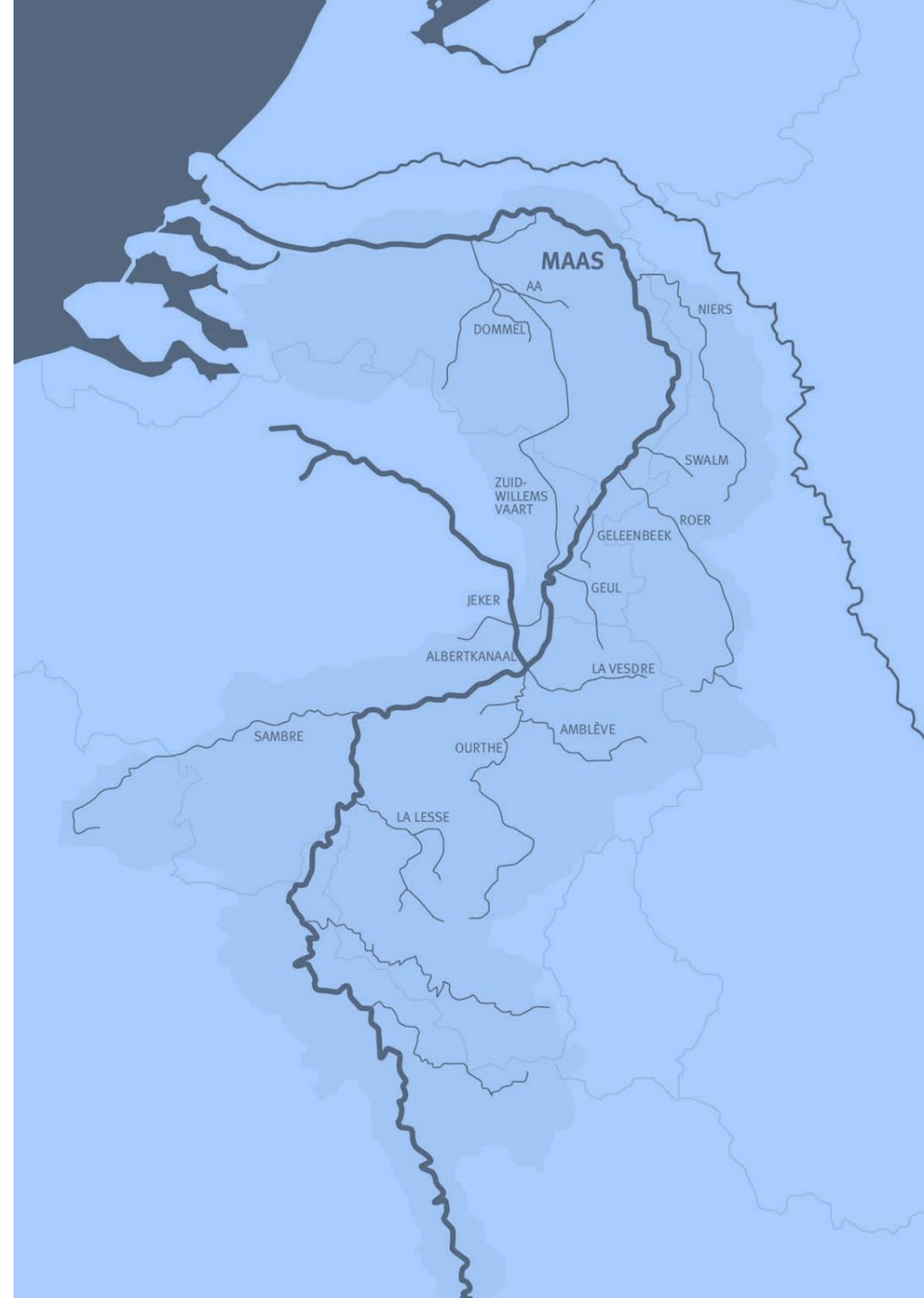
Please add websites  
and contact persons  
on the flipovers



*Do you have a structured way of digitally capturing permit conditions (=what is allowed)?*

*What elements must be part of the permit?*

Please share your ideas with sticky notes; put your name on it



## Purges

Micropollutants end up in the surface water via industrial (purple) and sewage treatment plants (orange) among other things. But these installations naturally make a major contribution to limiting the pollution. The iazis and sewage treatment plants are included on the map opposite. The places are also included (large orange diamonds) where additional purification in demo installations is being investigated in the context of the national acceleration program "medicine residues from WWTP water".

In the meantime, a PACAS installation has been realized at WWTP Oijen of the Aa & Maas water board in 2022, which was officially opened on March 9, 2023. A first concrete step to reduce the load of the Meuse catchment area with organic micropollutants.

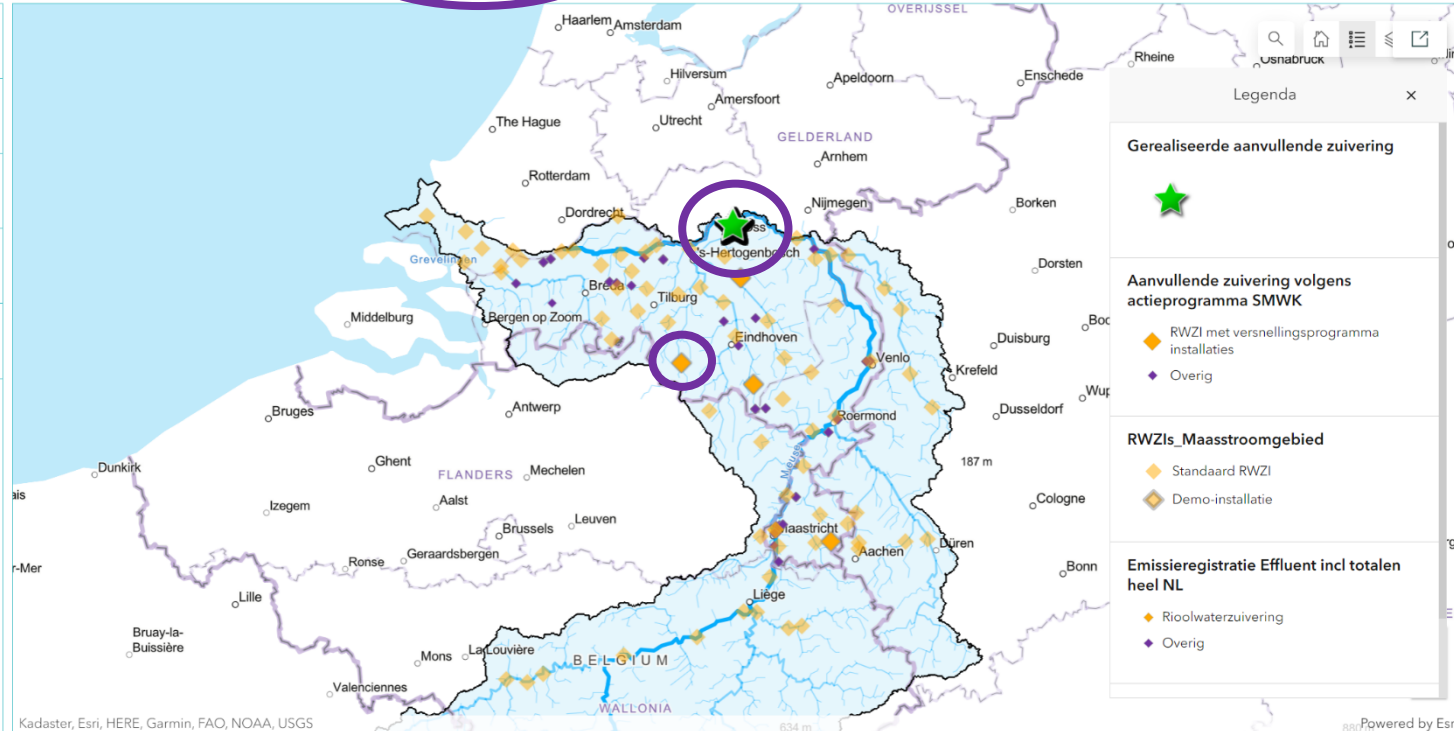
Provincie  
Geen selectie

Waterschap  
Geen selectie

Stroomgebied  
Geen selectie

Aantal inwoners meer dan  
Geen nummer geselecteerd

RWZI  
Geen selectie



Legenda

Gerealiseerde aanvullende zuivering

Aanvullende zuivering volgens actieprogramma SMWK

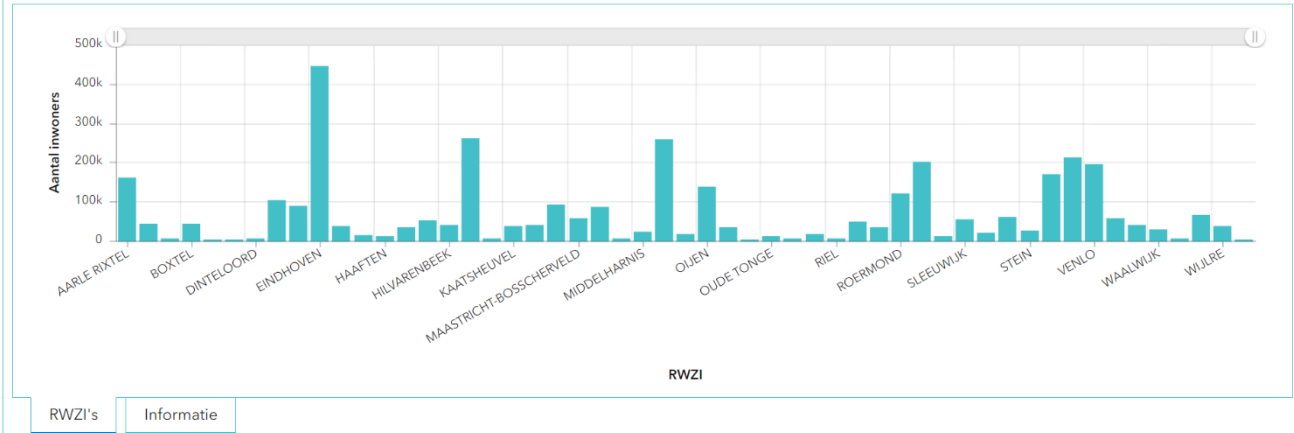
- RWZI met versnellingsprogramma installaties
- Overig

RWZIs\_Maasstroomgebied

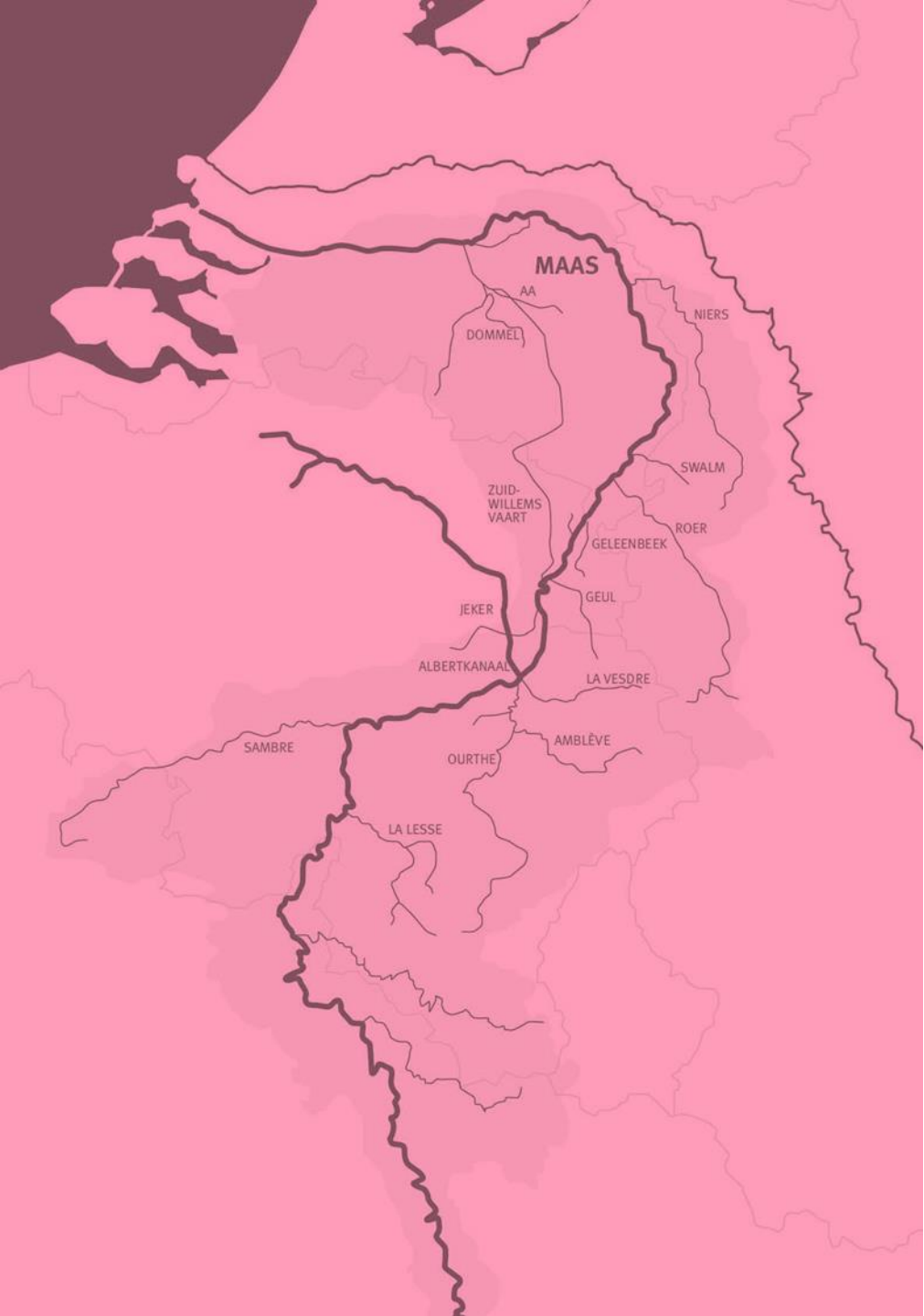
- Standaard RWZI
- Demo-installatie

Emissieregistratie Effluent incl totalen heel NL

- Rioolwaterzuivering
- Overig



Aantal RWZI's  
**82**



*Who wants to show/tell  
improvements made?  
What are you working on?  
What are you proud of? 😊*

Please add websites  
and contact persons  
on the flipovers

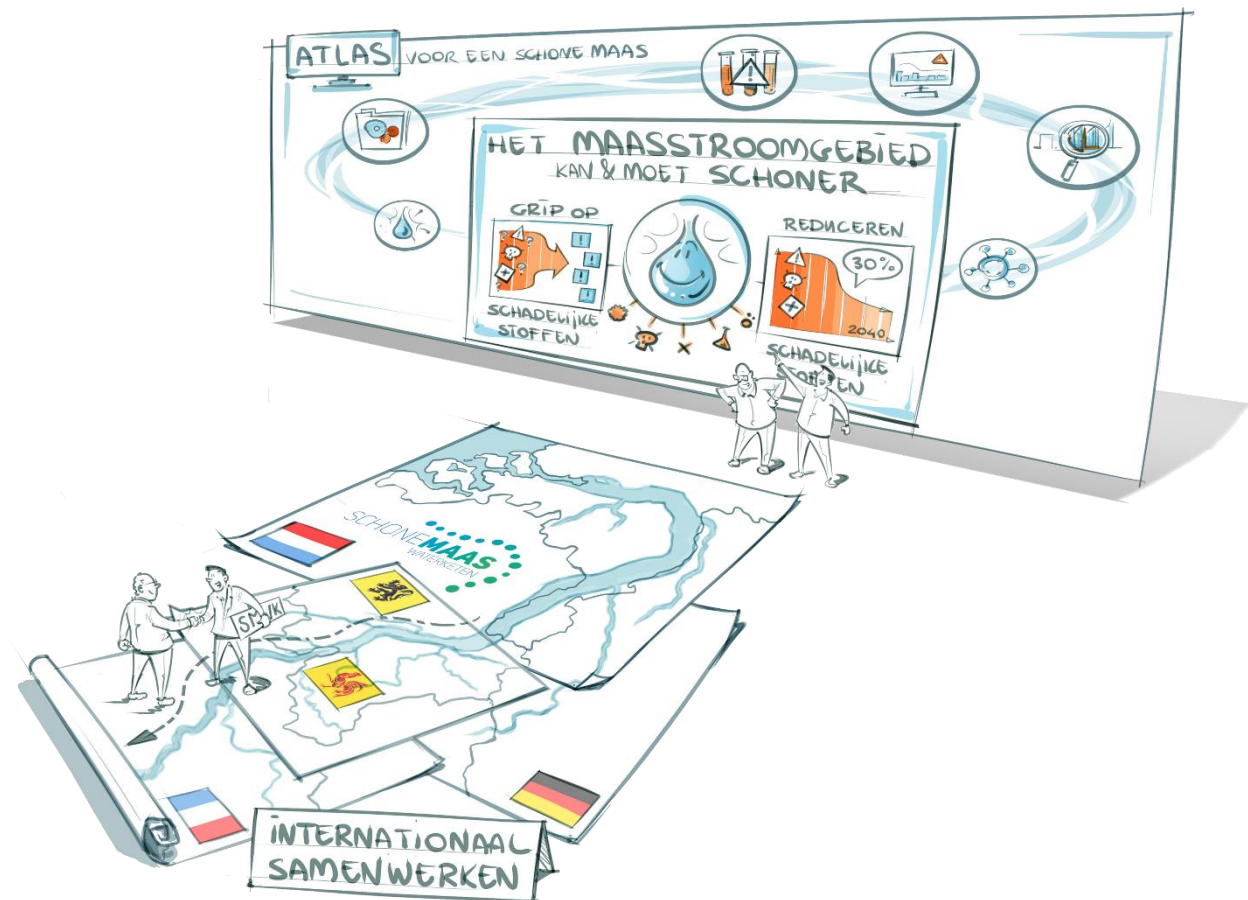
*What's for you the  
main improvement to reach  
a better River Meuse  
water quality?  
And what information is  
necessary to make it  
happen?*

Please share your ideas  
with sticky notes; put  
your name on it



# Collecting and Sharing Data

Let's make a team that can easily connect and share new ideas and information!



*Who wants to participate??*



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**+31 6 17 10 44 73**