



International Project Weeks *Water*

27th of September till 8th of October 2021

Leeuwarden, the Netherlands



Welcome everyone to the Project Weeks

Water in Leeuwarden, the Netherlands

Get to know us

During these weeks you will get to know the Leeuwarden WaterCampus, follow lessons related to water and water purification, do research at the WaterApplicationCentre and ofcourse there will be many different excursions.

These two weeks will be concluded with a presentation on your findings. Together with students from Czech Republic, Latvia, Malta and the Netherlands you will go on this exciting journey within the world of water technology.

We hope you will have a good time here in Leeuwarden. If you have any questions, please let us know!

Team CIV Water

Important

- Bring a laptop.
- Bring your own lunch. There is also a canteen in school where you can buy lunch. When lunch is provided, you will see 'lunch' in the program.



Leo Groendijk is lecturer Water Technology at Van Hall Larenstein University of Applied Science. Leo teaches subjects ranging from Water technology, Drinking water & Wastewater to the reuse of water and Sanitation. He has been involved in several international projects concerning knowledge transfer and is highly experienced in "teach the teacher" projects. He will be your teacher these two weeks.



In case of emergency

If you find yourself in need of some help, if you have burning questions, you feel sick or something else, you can call us! You can reach us from 08.00h till 21.00h.

Petra van den Berg: +31 (0)88 060 31 36
or mail at p.vandenberg@civwater.nl

Freya Gobby: +31 (0)6 15 14 36 19

Who is who?



Dirk Draaisma is a lecturer Instrumentation and Automation at Friesland College in Leeuwarden. Dirk will teach us how to make a logic programmer that controls a wastewater treatment system.

Aize Tolsma is the lab-manager of the Water Application Centre and is working with us on Kameleon Island to do analytical field work.



From left to right:
Sanne Ligthart, Petra van den Berg, Johanna Wijtsma and Freya Gobby. They are the organizing team. You will see them during the project weeks.

Important addresses. What's where?

We don't want you to get lost, so here are all the addresses where you are going to spend a lot of your time:

- Waterapplicationcentre (WAC): Agora 1
- Van Hall Lareinstein (VHL): Agora 1
- MBO Life Sciences (MBO LS): Jansoniusstraat 2A
- Friesland College (FC): Julianalaan 97 (not on the map below)



Programme week 1

Monday

27th of September

- 13.00h at MBO LS: VB210
Gather at reception 'De Proeftuin'.
Welcome and introduction
- 18.00h at Grote Hoogstraat 16:
Restaurant Lachende Koe
Welcomes dinner



Thursday

30th of September

- 08.45h: Gather for the bus
- 09.30h: Welcome at Kameleon Terherne.
Introduction groups assignment on
Kameleon Island: analyses + games + lunch

Bring dry clothes. You are going to an island.

Tuesday

28th of September

- 10.00h at MBO LS: VB013
Presentation schools
- 13.00h at FC: Triangle TrB115
Introduction to water pollution & legislation
and regulations



Wednesday

29th of September

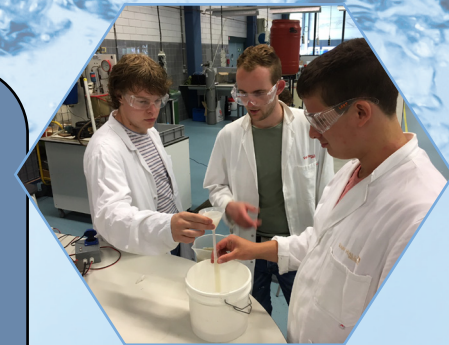
- 09.00h at MBO LS: VB014
Theory Biological Water Treatment
- 13.00h at MBO LS: VB014
Theory about the waste water
treatment plant
- 14.00h: Gather for the bus
- 14.30h: Visit waste water
Treatment Plant



Friday

1st of October

- 09.00h at MBO LS: VC112
Workshop technique >Arduino
- 10.30h at WAC
Practical technique >Arduino
- 13.00h at WAC
Assembling WaterPurifier
- 15.00h at WAC
Training analyses in lab

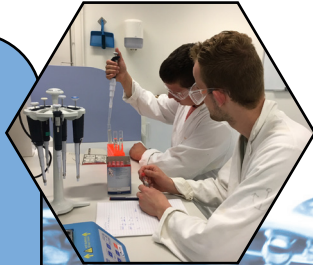


Programme week 2

Monday

4th of October

- 09.00h at MBO LS: VB212
Workshop Ecology & water treatment
- 10.30h at VHL: S2.15
- 13.00h at WAC
Start up WaterPurifiers and performing analyses



Tuesday

5th of October

- 09.00h at your hotel:
Preparing presentations
- 13.00h: Gather for the bus
- 13.30h: Visit Sonac, Burgum



Thursday

7th of October

- 08.45h: Gather for the bus
- 10.00h: Visit Woudagemaal, Lemmer
- Lunch
- 13.00h: Visit Waterloopbos, Marknesse



Friday

8th of October

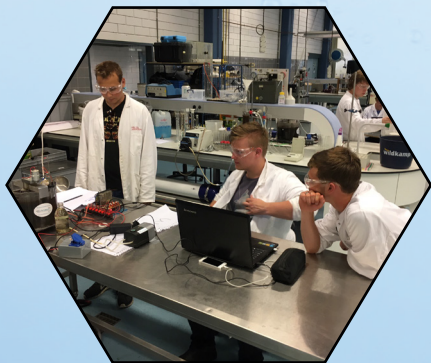
- 10.00h at Flex Café Friesland College:
Presentation results of all groups
- 12.00h at Flex Café Friesland College :
Farewell lunch. Award ceremony for
the best Purifiers



Wednesday

6th of October

- 09.00h at WAC
Testing water quality WaterPurifier
- 13.00h at WAC
Shut down systems and cleaning



About Leeuwarden

The city of Leeuwarden is a city with an exciting history and a vibrant future. Leeuwarden is the capital of Friesland. Located in the northwest of the Netherlands, just 1,5 hours' drive from Amsterdam. It is one of the Frisian 'Elfsteden' (historical eleven towns). A city with an old historic city centre that has all the characteristics of a typical Dutch city with canals, bridges, a weigh house and many houses from the 17th century (the Dutch golden age).



It is the birthplace of graphic artist M.C. Escher, double spy Mata Hari, Rembrandt's wife Saskia van Uylenburgh and it's the former residence of the Nassau family, the ancestors of the current Dutch king.

With a population of 96.000 it is big enough to call itself a city, but it mostly feels like a village. And that is not a bad thing in our opinion. It is easy to get to know people and get things done. Everything here is at a walking distance and we have never heard of the word over-crowded. Still, there is enough happening in this city and there is always something to do. Three Universities of applied sciences and 3 VET colleges supply the city with a lively input of young people.



Tips to do

Here are things to do in the neighbourhood of Leeuwarden, easy accesable by train or bus. Look at www.9292.nl/en for more information about public transport.

Daytrips

- Wadden island Ameland:
<https://www.vvameland.com/?language=en>
- The city of Groningen
<https://www.visitgroningen.nl/en>



Interesting

- Planetarium Franeker:
<https://www.planetarium-friesland.nl/en/>
- Check the folder about Leeuwarden for all interesting places in Leeuwarden.



Water related

- Frisian Maritime Museum Sneek
<https://friesscheepvaartmuseum.nl/en/>
- Waddencentrum
<https://afsluitdijkwaddencenter.nl/language/en/>



CIV water

Platform of Vocational Excellence partners:

Learning
Hub
Friesland

friesland
college



**KATA
PULT**

PROMOTING
THE KNOWLEDGE
OF TOMORROW

GLASGOW CLYDE
COLLEGE

Vitens
LAAT WATER VOOR JE WERKEN

CREA
Hydro & Energy

Mendel
University
in Brno

1862
RIGA TECHNICAL

1862
RTU
OLAINES TEHNOLOĢIJU
KOLEDŽA

MCAST

water
services corporation



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