

# Loes Heemskerk

## Water Technologist

PhD candidate with a fascination for ice physics and speed skating. Strong skills in communication, teamwork, and adaptability, coupled with a relentless drive for learning and growth. Looking forward to make a debut in the fields of Ice, Tribology and Material Science.



✉ loes.heemskerk@wetsus.nl

📍 Leeuwarden, Netherlands

🌐 [linkedin.com/in/lhmheemskerk](https://www.linkedin.com/in/lhmheemskerk)

## WORK EXPERIENCE

### PhD student

University of Amsterdam | Wetsus | Thialf

02/2024 - Present

Leeuwarden, The Netherlands

#### Tasks

- Lead researcher in a multidisciplinary team integrating expertise from experimental physics, water technology, crystallography, rheology, and tribology.
- Design, execution and analysis on chemical & physical experiments.
- Finding technological solutions for Thialf to improve ice quality for elite sports and sustainability.

Contact: Dr. Elmar C. Fuchs - [Elmar.Fuchs@wetsus.nl](mailto:Elmar.Fuchs@wetsus.nl)

### Program ambassador & PR

MSc. Water Technology - WUR, UTwente en RUG

10/2022 - Present

Promotion of MSc. Water Technology at Wetsus.

#### Tasks

- Organisation of recruitment events, development of communication tools and strategies and direct contact with students and universities.

Contact: Dr. Valentina Sechi - [valentina.sechi@wetsus.nl](mailto:valentina.sechi@wetsus.nl)

## EDUCATION

### MSc. Water Technology (joint degree)

WUR, UTwente & RUG @ Wetsus Leeuwarden

2020 - 2022

#### Content

- Internship: Development of sludge chain strategy for Evides Industriewater. Supervisor: Paula van den Brink
- Thesis: Effect of alternative electron donors on biomass productivity in cyanobacteria. Supervisor: Tom Sleutel

### BSc. Biotechnology

Wageningen University

2016 - 2020

#### Content

- Combination of (micro)Biology, Chemistry, Process Engineering, and Bio-Organic Chemistry at Surfaces.
- Thesis at Organic Chemistry: "Anti-fouling and self-healing fluorinated polymer brushes". Supervisor: Annemieke van Dam-Engelbert

## SKILLS

Chemical technology & Process engineering

Analytical methods (organic) chemistry

Data in Excel

Research

Teamwork

Event organisation

Organic synthesis

Design and execution of experiments in (bio)labs

## PERSONAL PROJECTS

Gast Lecturer - IMC weekendschool (2021)

- Introducing young students of the 'Weekendschool' to Water Technology with lectures and experiments

Secretary - De Wilde Wereld (11/2018 - 05/2020)

- 'De Wilde Wereld' is a historic residential, retail and cultural building in the centre of Wageningen. The secretary is responsible for all contracts and internal and external communication.

Garbage collector - ACV Groep (2020 - 2021)

- Allround employee, learned about the size and diversity of waste streams, from bin to landfill

Athlete - Dutch Rugby 7s Ladies (2013 - 2015)

- Training program of 'Centrum Topsport en Onderwijs' and 'Rugby Nederland' working towards the 2020 Olympics.

## LANGUAGES

Dutch

Native or Bilingual Proficiency

English

Full Professional Proficiency

## HOBBIES

Speedskating

Drums

Lifeguard

Climbing

Outdoor & Hiking

Sailing