

Junior water quality modeller

Are you someone who, when seeing rivers and lakes, is curious about what is going on under the surface? Whether the quality of the water is good and what substances are in it? How would you like to improve the quality of those same water systems through applied research! You can at Deltares. Apply now for the role junior water quality modeller!

What can you expect as a junior water quality modeller?

You will join the Freshwater Ecology and Water Quality department. Your future team consists of 28 driven professionals from whom you can learn a lot. Your main task? Conducting applied research on Dutch and international freshwater systems, including lakes, rivers and delta areas. You will analyse water quality, ecological status and the related impact on human health. Of course, you also work on measures to improve them. This is how you make an impact!

Tasks:

The tasks involved are:

- Modelling nutrients and ecology, but also modelling other (WFD) problem substances such as plant protection products, plastics, pharmaceuticals and emerging substances.
- Creating integrated analyses of the water systems (i.e. system analysis) based on data and model results.
- Working with Deltares' water quality models such as D-Water Quality and applying these in 1D, 2D or 3D applications.

Collaboration and innovation

To develop the knowledge around water quality and ecology and to optimally align and utilise market opportunities, you work closely with other departments. Which in turn also bring in various (inter)national projects.

You partly control how you want to shape your work. By being proactive and through good communication, you work on your internal network and get involved in interesting projects. This is necessary to successfully fulfil the role of junior water quality modeller.

Why work at Deltares?

This is what drives Rianne, she is advisor researcher environmental foreign substances.

What does Deltares expect from you as a junior water quality modeller?

You are a starter on the labor market and you (recently) have completed a master's degree with environmental science background. In addition we ask:

- A large part of your work involves setting up and applying models for various water quality issues. We therefore ask for affinity and experience with setting up and modelling processes relevant to water quality and ecology in surface waters.
- You have mastered scripting languages, such as R and python; e.g. for performing data analysis, pre- and post-processing;
- Understanding of water balances and hydrological models is a plus;
- A good command of the English language in word and writing. Dutch or already learning the Dutch language is an advantage.

What we offer

- Deltares offers a contract for 12 months with the intention to an indefinite period of time. Our starting salary for juniors who just finished their MSc is gross €3.846 per month based on 40 per week.
- Every new employee is paired with a mentor. He or she helps you settle into the organization in the first year. And you will start, together with other juniors, with the Young Professional Program.
- All junior employees start with our Young Professional Program.
- [Here](#) you can find more information about our attractive terms of employment.

How to apply

Has this vacancy sparked your interest and do you match the job profile? Then apply directly with CV or LinkedIn profile and motivation letter. Do you have any questions about the vacancy? Please contact Brian de Bruin (recruiter, Brian.debruin@deltares.nl, +31615267686). Deadline April 16. The selection procedure contains 2 interviews. First round of interviews will take place on April 28 and 29.

This role is based in Delft, but Utrecht is also possible in consultation. Do expected to travel back and forth regularly between the offices due to the fact that the department is based in both locations.

Working from abroad is not possible.