Student Assistant, Energy & Water Resources

Are you enthusiastic about sustainable resource management and programming? Do you want to be involved with the latest innovations in hydrology? DHI is currently looking for a part-time student assistant to support operation and maintenance for their large-scale hydrological model, DHI-GHM.
Large-scale hydrological modelling is an essential tool for governments and river basin organizations to ensure the security of the population in our changing climate. DHI has developed a Global Hydrological Model (GHM), which has already been used all over the world: from transboundary river studies in Vietnam, to water scarcity studies in Nigeria, to macroplastic pollution forecasting for UNEP. The model is being used frequently, both as an operational system and as a tool for studies and planning purposes. This student assistant position is an opportunity to explore the behind-the-scenes model development, application, and O&M for DHI-GHM.

What we offer:

- Spending your workday supporting sustainable resource use
- Working with a group with highly skilled specialists and possibilities to contribute to frontrunning research within the field of water resources management
- Developing your network and learning from world renowned actors within the field
- Flexibility of work hours and possibility for a mix of office and remote work

Your core tasks will include:

- Maintaining the model setup files and operational system
- Generating results for participation in ongoing global initiatives
- Running the model to produce updated results when needed
- Expanding the repository of tools scripted in python to work with model results
- Working closely with the DHI-GHM team to assist on model application in DHI projects

Depending on your background and interest, the role could also involve aspects of the following:

- Enhancing the model operational system
- Capturing localized model advancements in a global mosaic
- Producing and visualizing statistics and metrics on model results
- Assisting on frontend visualization of the model results in a portal

About the ideal candidate:

- Relevant educational background (preferably within environmental sciences/engineering, hydroinformatics, computer science, or geosciences)
- Excellent command of English (spoken and written) is required
- Python proficiency and MS Excel proficiency
- Familiarity with water resources management issues and hydrological modelling is an advantage
- Structured and proactive mindset with an ability to organize own work tasks
- Interest in becoming a core member of the team, including engaging in brainstorming and decision-making surrounding the work

Important information:

- You must be actively enrolled in a university for the duration of employment to qualify for consideration
- We expect the successful candidate to start work during the month of February 2025 and work 15 hrs/week for 1.5-2 years
- The position is at DHI Headquarters in Hørsholm (work from home to a limited extent is possible)

How to apply:

- Interested candidates should submit their application including CV and a cover letter via the relevant job posting on DHI's website: http://www.dhigroup.com/careers
- The final application deadline is 17 January 2025, but applications will be evaluated on ongoing basis, so we encourage you to apply as soon as possible (link to application submission site can be found below).

- The successful candidate is expected to commence work in February 2025.

For more information please contact Alex Murray, Water Resources Engineer (almm@dhigroup.com).