

New Announcement !!!!

Master Thesis Research Opportunities

Tekeze Atbara Sub-basin



The Hydraulic Research Center (HRC) is looking for highly motivated candidates to conduct MSc research studies under the umbrella of project “**River basin simulation for improved transboundary water management in the Nile: Case study of the Tekeze-Atbara sub-basin**” jointly conducted with EiWR and IHE (for more information about project [click here](#)).

The research is on the following topics in **Tekeze Atbara sub-basin**:

1. Seasonal forecasting for improved operation of reservoirs system.
2. Optimization of transboundary reservoirs system.
3. Reservoir operation from the sky.
4. Reservoir sedimentation.





Prerequisites:

- Bachelor of Science in Civil Engineering, Water Resources or other related fields (First Class or 2nd Class Division -I).
- Excellent command of English Language.
- Enrollment in a master program in an accredited University in Sudan or abroad by courses or research.
- Experience in rainfall-runoff modelling is pre-requisite for topic-1.
- Good knowledge of optimization techniques and programming skills is pre-requisite for topic-2.
- Background on remote sensing and GIS tools is a pre-requisite for topic-3.
- Experience in 1D modelling software is a pre-requisite for topic-4.

What will be supported?

The project will provide available data for the MSc research and monthly stipend for researcher based on his/her research output.

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