The German Federal Institute of Hydrology (BfG) is the federal scientific institute for research, assessment and public consulting in the fields of hydrology, water management, ecology and water conservation and a federal higher authority within the scope of the German Ministry of Transport and Digital Infrastructure (BMVI). The International Centre for Water Resources and Global Change (ICWRGC) at the Federal Institute of Hydrology has an open, full-time, temporary position (2 years) to be filled as soon as possible as

# Scientific Officer (M.Sc. or equivalent)

# Specialization in hydrology, meteorology, civil engineering (specialization: hydrology), computer science or comparable specialization. The place of work is Koblenz, Germany.

# Task description:

The position holder develops and maintains a global, web-based, hydrological data information system (GWIS) at the International Centre for Water Resources and Global Change to strengthen the global activities of the BfG including the development of data products for different national and international target groups.

The following activities/duties must be carried out in this context:

* Development of a scientific profile for the GWIS with a view to harmonising different national and international databases.
* Development of a strategic concept for the further development of the GWIS in the context of international water information policy (including adaptation of the GWIS to various existing systems, cooperation with various regional and international data providers, and communication with various United Nations organisations (UN) to compare the databases.
* Coordination of the technical development of the GWIS towards an online system.
* Data product development including the development of tools and methods for data harmonization, adaptation of existing data products as well as the development of new data products based on statistical methods and the application of various state-of-the-art visualization methods.
* Development of recommendations for action based on GWIS data products for ministries and national hydrological services, as well as environmental administrations worldwide.
* Development of information material (e.g. reports, maps, flyers, newsletters, statistics) for the media and ministries.
* Networking and exchange with UN organisations and programmes and other relevant international organisations and representation of the GWIS activities at WMO, UNEP, UNESCO, WHO, ICSU, GEO, FAO and other organisations.
* Coordination of own work with existing working groups such as GCOS, IHP-WINS, GTN-H, etc.
* Organization of meetings.

# Requirements:

## Mandatory requirement criteria:

* Degree (university diploma/master) in hydrology, civil engineering (specialization: hydrology), computer science or comparable subject, PhD desired.

## Important requirement criteria:

* Very good knowledge of hydrology, water management or hydrometeorology and related scientific fields.
* Sound knowledge in the areas of data analysis and management, as well as database techniques.
* Interdisciplinary expertise in the fields of standardization of hydrological exchange formats and metadata as well as software-technical developments.
* Proven scientific knowledge and practical experience in the field of integration and communication of complex issues as well as communication with different target groups.
* Knowledge of the structure, networking and working methods of the various UN organisations and working groups.
* Self-confident contact with people from different organisational structures and cultures at a high level.
* Practical experience or willingness to cooperate with international partners.
* Knowledge of MS Office products.
* Ability to independently write structured reports and other forms of publications.
* Good knowledge of written and spoken German (CEFR level B2 or better).
* High reliability, independence and organizational ability.
* High sense of responsibility and willingness for interdisciplinary teamwork.
* A confident appearance and good communication and presentation skills, also in an international environment.
* Willingness to travel abroad.

# Important Information:

Only the corresponding German job announcement text is legally valid.

Applications should be sent until **16th August 2018** through the following online system (in German): <https://www.bav.bund.de/SharedDocs/Stellenangebote/DE/BfG/20181206_0002_BfG.html>

(Reference number: 20181206\_0002)

Please upload there your complete application documents (curriculum vitae, master / PhD / School certificate) as an attachment to your candidate profile.

In addition, please introduce in your candidate profile under "professional experience" your employer of the last 5 years and under "education / degrees" your degree.

For questions in connection with the electronic application process, please contact the Federal Agency for Administrative Services under +49 (0) 4941 602-240.

If you have any questions regarding the open position, please contact Prof. Dr. Demuth (Tel.: +49 (0) 261 1306-5313) or Dr. Stephan Dietrich (Tel.: +49 (0) 261 1306-5059).