



ANNOUNCEMENT AND CALL FOR APPLICATION

On behalf of the German Academic Exchange Service (DAAD)

**TU Bergakademie Freiberg in cooperation with
Hochschule für Technik und Wirtschaft Dresden**

organize a

DAAD Alumni Special Project 2021 on

Water in Africa in Balance with Human Needs and Nature

with a consecutive participation in the trade fair IFAT Africa 2021, Johannesburg

Date of the seminar: 6 - 11 July 2021

followed by the participation in IFAT Africa 2021: 13 - 15 July 2021

Arrival date in Johannesburg: 5 July 2021

Departure date from Johannesburg: 16 July 2021

Seminar Aims

In 2000, Africa's population was around 800 million and, in 2020, it stood at 1.340 billion. In 2015, the United Nations predicted a population growth of 1.68 billion by 2030. Currently, around 52 % of Africans are between 15 and 64 years old, in 2030, this share is estimated at 59 %. As a result, water issues need to be addressed. Over 300 million Africans have no access to clean and safe water for drinking. 700 million Africans lack adequate sanitation because of poor living conditions. Both have a serious impact on poverty reduction efforts and economic progress. According to estimates, Sub-Sahara Africa loses 5% of its GDP per year because of water problems and 40 billion hours are spent per year to provide households with water. This time is lost for more productive activities. Lack of access to water relates to water scarcity for which there are several reasons: (i) **physical shortage** (physical water scarcity), (ii) **institutional failures** or (iii) **lack of adequate infrastructure** to ensure a regular supply. In Africa, not one reason, but several reasons acting in combinations explain where and why water scarcity occurs.

In a publication entitled „Africa Water Vision 2025“ by the UN Economic Commission for Africa, key issues related to water management were identified and an “Africa Water Vision 2025” was proposed.

It is the intention of the convenors to deliver a practical contribution to some of the objectives of the “Africa Water Vision 2025” with a seminar programme sharing experiences with water projects having passed an „African Test of Performance“. The projects will be presented by the convenors and by the Alumni participants. The envisaged audience consists of „practicing experts“ who are involved in water projects and show a strong motivation to learn from each other and, in consequence, extend the established DAAD Africa Alumni Water Network ([GAWN Germany Alumni Water Network](#)).

The seminar and the participation in IFAT Africa 2021 are offered by the German Academic Exchange Service (DAAD) in the framework of the programme Alumni Special Projects ([www.daad.de/alumni-special-projects](#)). The International Alumni Seminar is organized by TU Bergakademie Freiberg in Partnership with Hochschule für Technik und Wirtschaft Dresden. The costs will be mainly covered by funds from DAAD provided by the German Federal Ministry for Economic Cooperation and Development (BMZ).

The seminar is scheduled in the run-up to the trade fair [IFAT Africa 2021](#), the leading German Industry and Trade Fair for Waste, Water and Environmental Technology in the region. The partner host university of the seminar will be University of Johannesburg.

Tentative Programme of the Seminar Week

The seminar programme will include:

- Introductory lectures on water in Africa
- A workshop on case studies dealing with water
- A poster session prepared by the participating alumni
- Visits to laboratories
- Excursions
- Cultural events

The final programme will be published once all applications have been reviewed.

It is necessary to participate in the whole programme: seminar, IFAT and social programme.

Special Note concerning an Alternative Programme Format

Given the world-wide pandemic and the current status of uncertainty of its development, DAAD will decide in due course to replace the event in South Africa by an online version. This will imply modifications of the programme which will be announced to participants. The alternative programme will rely on more and extended active contributions by participants. In the case of a virtual event, DAAD can support the alumni by covering the costs for sufficient and secured data volume (software support, no hardware support).

Eligibility Criteria for Participation

This seminar targets Alumni of German universities

- from the so called **developing countries in Sub Sahara Africa** (countries listed on the DAC list),
- who carried out research or studied in Germany for at least 3 months and
- who are currently living and working in their home countries.

You should have

- (1) a **proven background in academic fields relevant to the topics** of drinking and waste water technologies, industrial water technologies, water recovery and recycling, water resources management, water analytics, water and waste water economics, water and community development, water and agriculture, water in urban environments
- (2) **professional experience and personal interest in one of the following areas**: above all practical experience with respect to the topics mentioned in (1), in the context of project development, industry, government agencies, NGOs, local communities, applied research in academia and industry
- (3) the **requirements to act as a potential multiplier** to transmit the seminar results, disseminate the acquired knowledge and to develop innovative ideas and projects for implementation in the home countries

- (4) **adequate language proficiency** which is essential to actively participate in the workshops and discussions as the seminar will be held **in English**

Eligibility for repeated attendances at Alumni Special Projects:

Participations in Alumni Special Projects are limited to a maximum of 2 participations within 4 years. The year of participation, not the year of application, is decisive for the calculation.

Cost Coverage

- International return ticket from and to Johannesburg airport (lowest possible economy class airfare)
- Local airport transit
- Travel health insurance (max. 30 Euro) and visa costs
- Accommodation and meals during the stay in Johannesburg during the seminar and the trade fair participation
- Transport on excursions
- Entrance fees to IFAT Africa 2021

Please note: You have to cover by yourself any other costs, such as transport costs between your place of residence and “your” airport, and travel costs for visa application in your country of residence. Please keep in mind that living expenses are only covered partly during your stay in Johannesburg.

Extensions of stays before the seminar / after the trade fair are only possible **up to 5 working days and upon submission of a comparison of flight ticket prices before you start your travel**. You will have to pay any difference between the flight ticket prices for the official arrival / return date (see below) and your actual date of travel before / after your extension. You must also cover by yourself any additional travel costs, subsistence costs and other additional costs of your extension.

Extensions beyond 5 days must be of an official nature which you need to justify, e.g. through visits to universities, organizations, institutions, companies etc. and with details about contact persons and a day-to-day programme of activities. These extensions must be approved by DAAD before you start your travel. Decisions by DAAD are made on an individual nature based upon your justification, your programme etc.

For any extension you need to organize your accommodation by yourself, and, very importantly, you have to make sure to have a valid health insurance for the extension days.

Travel dates:

- 5 July 2021: Arrival in Johannesburg
- 16 July 2021: Departure from Johannesburg

It is essential that you participate from the first day of the seminar until the last day of the trade fair IFAT Africa 2021.

Application Procedure

Your application (in English language) should emphasize your motivation and personal and professional benefit for your participation.

You should illustrate how you are planning to imply the gained knowledge and what possible stakeholders for collaboration you may identify for your professional career.

Your application (in English language) must include the following documents:

- a filled out application form: The form is available on <https://tu-freiberg.de/fakult6/umwelt-und-ressourcenmanagement/international-german-alumni-seminar-2021/application-procedu>
- a short CV with photograph and relevant documentation of Germany Alumni status
- a design of a poster abstract on your own water project or any other practical water related professional activities
- a short description of your present duties / position and your personal professional goals, indicating your envisaged field of activities and duty level

- an overview on seminars, workshops or conferences visited in Germany after finishing your studies in Germany

Please submit your Application on the [application website](#) – latest by **10 January 2021**

In case you have any difficulties with online submission, please send your application – as one single pdf file to Jiangxue.liu@tu-freiberg.de.

The PDF-document should be named 'Last name_First name_country' (e.g. Mustermann_Mara_Germany).

Please note: Completeness of personal data mentioned in the online application form will affect your eligibility as a participant.

After the review by the local organizing committee and DAAD, the invited participants will be notified around mid to end of February 2021.

For further questions, please contact j-c.bongaerts@ioez.tu-freiberg.de or Jiangxue.liu@bwl.tu-freiberg.de

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DAAD Deutscher Akademischer Austauschdienst
German Academic Exchange Service

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