

Siegen, 17.06.2024

Announcement and Call for Application

for the first part of the binary International Alumni Expert Seminar „Soil and water in the context of renewable energy**” in Latin America“, in Fortaleza, Brazil.**

The German Academic Exchange Service (DAAD) provides financial support for organizing the Expert Seminar. The first part of the binary Seminar will be held in Fortaleza, Brazil. Local organizer is the University of International Integration of the Afro-Brazilian Lusophony (UNILAB), Institute of Engineering and Sustainable Development, Prof. Dr. rer. nat. Alexandre Cunha Costa in close cooperation with the University of Siegen.

The Expert Seminar “**Soil and water in the context of renewable energy**” is scheduled from **15. September to the 21. September 2024** (15th September day of arrival, 21st September day of departure).

The Topics:

The aim of the project is to support a participatory process in order to bring into mind to responsible municipalities, representatives from economy, science, authorities and other stakeholders the various strategies and coherences of climate-related challenges such as impaired ecosystem functions or the positive aspects in regard to renewable energy or Aspects of the design of such systems. Furthermore, to strengthen interdisciplinary cooperation. The focused topics of the second part of the seminar include:

- **Hydropower in the context of climate change and environmental sustainability**
 - Climate change and its impact on the structural stability of dams,
 - Environmental impact assessment is an important point in the planning process,
 - Hydropower “green, reliable and sustainable?”,
 - Management of dams for energy production (multiple use),
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- **Expansion of onshore wind energy**
 - Wind energy use and area protection,
 - Compensation for interventions in the landscape (compensatory and replacement measures),
 - Requirements for soil and water protection during dismantling of the plants,
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- **Ausbau Offshore Windenergie**
 - Marine spatial planning for the most possible environmentally friendly offshore wind development,
 - Area survey to identify environmentally friendly offshore wind sites,
 - Requirements for marine protection before and during construction, operation and dismantling (environmental monitoring),
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- **Forms of participation, training and further education**
 - Just Transition -Action Plan for Education and Training
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Group work:

- Development of a strategy for adapting to climate change: initial questions.
 - Can the examples presented be adapted? In what form and how is adaptation possible?
 - How and in what form are the population and interest groups involved? Does the rural area benefit from the energy transition projects? If not, how can this be improved?
 - Is there a Just Transition approach, and if not, how can it be taken into account? Is gender equality (feminist development policy) taken into account?
 - Which people, authorities, institutions, interest groups, private sector are to be involved and how can networking/cooperation be improved? How and to whom should the knowledge gained be passed on?
 - Specific priorities of the alumni.....

The Program:

The seminar program will include:

- Papers and case studies presented by the participants (Latin American experts) and invited external experts from Germany and from Fortaleza and surrounding,
- Group work and group discussions,
- Excursion (Visit of an area with renewable energy, to see the possibility of use,

The first draft of the program will be sent to the seminar participants including the lectures that the participants want to give (selected from the submitted abstracts).

Cost Coverage:

Following costs will be covered by the project

- For the flight to Fortaleza and return we are going to subsidise the ticket costs with a maximum of:
 - 335,- Euro for participants from Brazil,
 - 605,- Euro for participants from Argentina,
 - 740,- Euro for participants from Paraguay,
 - 925,- Euro for participants from Bolivia, Columbia, Ecuador,
 - 1115,- Euro for participants from Central America,
 - 1120,- Euro for participants from Peru
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The final calculation you will get after the selection of the participants. Alumni are coming from Latin American countries / cities are not mentioned here are also welcome to send the application.

The flight must be arranged on your own. We will refund the costs for your economy-class return ticket in cash in exchange for the original receipt (e-Ticket voucher) - more information you will get with the invitation letter.

- Transport from the Airport in Fortaleza to the Hotel and return we subsidise the costs with 70 Euro. Detailed information we will provide well enough in advance to the seminar.
- Accommodation including breakfast, lunch and the conference coffee break during the stay in Fortaleza (Brazil).
- Excursion including lunch.

Attention:

- If you need a travel health insurance, please arrange the insurance yourself, it is not covered by the project.
- Transport costs from your hometown to your home airport must be covered by your means.
- All ticket costs above the mentioned ceiling must be covered by yourselves (the final calculation you will get with the invitation letter).
- If you like to stay in Fortaleza or Brazil, before the 15th September 2024 or beyond the 21st September 2024, you have to cover this costs by your means. You have to manage the hotel by yourself for the stay before or after the seminar. For the time of the seminar the hotel is managed by the organization team.

Participants:

The participants of the seminar should be:

- Alumni of a German University from a developing country (stay in Germany min. 3 months),
 - Working in the field of soil, agriculture and forest, infrastructural planning, environmental and water management, soil mechanics, geotechnical engineering, renewable energy or other seminar related sectors (including economy and law).
- "Multipliers", e.g. people who are in a position to spread the acquired knowledge and experience and/or
- Decision makers, able to take decisions in the above-mentioned sectors.

All Alumni interested in giving a presentation during the expert seminar are requested to send an abstract. The main topics are given above, and you can include own topics of interest. The abstract should not exceed one page (maximum 450 words); please use font type "Arial", font size 11, 1.2 line spacing. If you have an important topic that you like to implement in the group work, please mention the topic in your application.

Application:

Are you interested? Please use the application form:

- The application form is attached.

Sufficient knowledge of English is a requirement to participate in the expert seminar.

Deadline for application is the 19th July 2024.

Before you send your application, please make sure

- that in the case you will be selected you are able or allowed to participate (ask your boss before you send the application).
- that your passport is valid and if you need a visa that you can get it in time.

For further questions you may contact ingrid.althoff@uni-siegen.de, please send your application also to this e-mail address.

Siegen, 17th June 2024



Univ.-Prof. Dr.-Ing. habil. Kerstin Lesny