At HafenCity University the following position is expected (subject to funds) to be available in our cooperation project UNITAC Hamburg (The United Nations Innovation Technology Accelerator for Cities)

**Research Associate (m/f/g) in the project “UNITAC”**

**Data Scientist- Namibia**

Pay group 14 TV-L

at the earliest possible date to support in research with 100% of the regular working time. The position is limited until 31.12.2025. Presence in Hamburg is required for this position.

### About us

The HafenCity University Hamburg, University of Architecture and Metropolitan Development (HCU) is a university that focuses on the built environment. The HCU unites all aspects of building and design, engineering, and natural sciences as well as geoscientific and social sciences under one roof.

UNITAC Hamburg is a partnership between the United Nations Human Settlements Programme (UN –Habitat), the United Nations Office for Information and Communication Technology (OICT) and HafenCity University. In this project, UNITAC in collaboration with the City Science Lab at HafenCity University explores the potential of digital technologies, data, and innovations for sustainable urban development. The project works with a variety of applied, innovative and prototyping research methods and develops innovative solutions primarily for cities located in the Global South. These methods aim to accelerate the achievement of the UN Sustainable Development Goals (SDGs) related to cities and urbanization.

The BMZ-funded UNITAC project » Just transitions in vulnerable places - Towards climate resilient neighbourhoods and communities in Namibia « aims to develop digital urban data platform and engage with and support national, sub-national and local government institutions to improve enhanced evidence-based decision making towards localizing the 2030 Sustainable Development Agenda and the New Urban Agenda for climate resilient city-wide informal settlements upgrading. You will work in an interdisciplinary team of urban development, innovation, and technology specialists with a passion for sustainable cities, international development cooperation, and digital innovation. And you will work in strong collaboration with our partner organizations UN-Habitat and OICT.

The position is assigned to the professorship of Prof. Dr. Gesa Ziemer, who is also the academic lead of UNITAC Hamburg.

Here you can find more information about [HCU](https://www.hcu-hamburg.de/) and the [employer Freie und Hansestadt Hamburg](https://www.hamburg.de/).
Your tasks

- development of innovative data solutions and a digital urban data platform for the Namibian context
- applied research and development of sustainable technology for piloting cities in Namibia
- implementation of data-oriented solutions in international and innovative ecosystems especially a close collaboration with our on-site team in Namibia to monitor the data collection processes
- our innovative solutions will be tested and scaled, especially in the three thematic areas:
  1. open, transparent, and participatory management of data and digital platforms
  2. mapping, spatial analysis, data analytics and visualization
  3. people-centered smart cities

Your profile

mandatory requirements

- a completed academic degree (Master’s Degree) in Data Science, Computer Science, Geoinformatics, or topic-related subjects
- Min. 2 years of data-related project management experience in interdisciplinary and multistakeholder settings

additional requirements

- experience in implementing open data management/platforms and (geospatial) data standards (e.g., OGC) with a focus on the data collection and transformation side of the process
- previous involvement in data collection from either on-site sources (e.g. sensor data and surveys) or REST APIs, web scraping, and other third-party partners is highly acknowledged
- previous experience in ETL process: data extraction, orchestrating data pipelines
- previous experience with applied statistics, machine learning algorithms (classification, prediction, and deep learning methods), and at least one machine learning tool (e.g., TensorFlow, Pytorch, or Keras)
- advanced programming skills in Python (other programming languages such as R, JavaScript, C++, etc. would be an advantage)
- experience and/or interest in working in and/or collaborating with a wide range of urban development and innovation stakeholders at the local and international level, such as e.g., government agencies, civil society organizations, start-ups, research institutions, city networks, etc.
- fluent in written and spoken english (german is highly appreciated)
Contact

For questions and further information, do not hesitate to contact Dr. Sophie Naue, at +49 (0) 40 42827-5621.

The applicant's classification regarding the level of experience within the advertised TV-L pay group is based on the candidate's individual work experience and is reviewed by the HR department. Legally binding statements can only be made by the HR department of the HCU.

Please send your application (including CV, cover letter, and copies of relevant certificates), no later than 16.11.2023 (preferably by email as one PDF file) to:

HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2023-135
Henning-Voscherau-Platz 1
20457 Hamburg
E-Mail: HCU-bewerbung@vw.hcu-hamburg.de

Please include the reference number „2023-135“ in your application.

Please be aware that in case of an invitation to an interview, HCU will not be able to cover any expenses for travel and lodging.

Due to the high number of applicants, the HCU will not be able to return application documents. Therefore, please do not submit originals of certificates. If you add a post-paid envelope, the HCU will return your application documents.