



Photo: Nagel

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## TUM.Africa Newsletter

### Latest news on TUM.Africa

- ▶ A TUM delegation consisting of the TUM.Africa coordination team **visited the Kwame Nkrumah University of Science and Technology (KNUST)** from October 18-21, 2018. During the visit, a Letter of Intent was signed to allow the collaboration between TUM and KNUST to develop and expand. See also [TUM press release](#) and [KNUST press release](#). A KNUST delegation to TUM is expected for March 18-22, 2019.

### Recent TUM activities in Africa

- ▶ In September 2018, a five-day workshop was held within the frame of the **DAAD NEXUS Water-Food-Energy project** to discuss further collaboration with Tanzanian partners from Ardhi University, Dar es Salaam and Moshi Cooperative University. The workshop was jointly organised by Dr. Christoph Heinzeller, Department of Geography at LMU and Prof. Peter Rutschmann, Chair of Hydraulic and Water Resources Engineering, coordinator of the Nexus project and Prof. Stephan Pauleit, Chair for Strategic Landscape Planning and Management. The workshop consisted for two days of meetings and a two day field trip to show our Tanzanian guests projects in Bavaria related to the management of water resources. A draft proposal for a new DAAD proposal was prepared as main outcome.
- ▶ Chair of Sociology of Diversity: The edited volume ***Refugees and Forced Migrants in Africa and the EU: Comparative and Multidisciplinary Perspectives on Challenges and Solutions*** deals with the topic of flight and migration from a comparative and interdisciplinary perspective. It makes the results of the first South-East African and European Conference on *Refugees and Forced Migrants: Social Rights - Care - Mutual Benefits?*, which took place in Kenya in 2016, available to the interested public. The book contains articles by African and European authors from various academic disciplines including Political Science, Sociology, Law and Anthropology. It can be accessed via [Springer Link](#). For further information, please contact [Dr. Katharina Crepaz](#).

- ▶ A group of students and instructors from the [Chair of Information Systems](#) at TUM visited [Kwame Nkrumah University of Science and Technology \(KNUST\)](#) in Kumasi, Ghana for a **joint workshop on Design Thinking**.



The participants of the joint workshop on Design Thinking at KNUST. Photo: Dr. Manuel Wiesche

Dr. Manuel Wiesche from the Chair of Information Systems conducted the workshop with students from TUM, [Karlsruhe Institute of Technology \(KIT\)](#) and KNUST together with Mr. Kwame Owusu Kwarteng, lecturer in the Supply Chain and Information Systems Department at [KNUST School of Business](#). The topic of the workshop was Design Thinking in the context of cross-cultural challenges in entrepreneurship and innovation.

The participants got to know the basics of the Design Thinking methodology and were able to directly apply the methods by tackling real world challenges of companies and people in Ghana. Thereby, both Ghanaian and German students engaged directly with locals in Kumasi for interviews and prototype testing to gain better understanding of the situation in the field.

- ▶ The Land Management Chair co-organised the **[NELGA Conference on Strengthening Policy-Research Linkages in Land Governance in Africa](#)** under the motto *Land Governance as a Driver for Sustainable Socio-Economic Development*, from November 19-23, 2018.

It brought together SLGA-supported research initiatives, NELGA network members and policy makers to facilitate sharing of research outputs and findings, gather experiences working with policy agenda development and explore pathways towards better coordination. In addition, ADLAND's research development workshop, as a side-event, provided further interactive sessions on research focused capacity development.



Dr. Pamela Duran (Chair Land Management) at NELGA conference. Photo: Chigbu



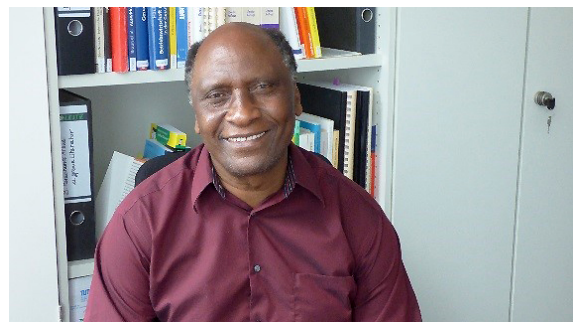
- ▶ The Chair of Modeling Spatial Mobility coordinated a DAAD funded fact finding project for a **sustainable transport partnership between KNUST and TUM**. Following a visit from a KNUST delegation to TUM from November 12-16, Profs Moeckel (Modelling spatial mobility), Freudenstein (Chair traffic route construction), de Vries (Land Management) and Matthias Bröner (Chair of automotive technology) visited KNUST from December 2-6, 2018.



The team of the fact finding mission *Sustainable Transport*. Photo: Walter de Vries

- ▶ **Visiting Professor from Pwani University.** The Chair of Sociology of Diversity regularly hosts Pwani University researchers as Guest Professors at TUM, in order to enhance possibilities for discussion, exchange and collaboration.

The most recent guest professor was [Prof. Gabriel Katana in September 2018](#). Prof. Katana is Professor in the Department of Physics and the Minister of Education and Information and Communications Technology of Kilifi County in Kenya.



Prof. Gabriel Katana

During his stay at TUM, he gave talks at the Department for Sport and Health Sciences and at the Max Planck Institute for Social Law and Social Policy, and he and Prof. Elisabeth Wacker met with officials at the Bavarian State Ministry of Education and Cultural Affairs to discuss vocational education programs.

- ▶ **One Health Workshop in December 2018, funded by DAAD.** Together with Pwani University, the Chair of Sociology of Diversity successfully organized a Workshop on One Health, funded by DAAD. The broad objective of the international workshop on One Health was to synergize efforts and expertise towards achieving the vision of One Health. More specifically:

- To provide an opportunity for dialogue and elementary interactions among health stakeholders from trans-disciplinary and multi-sectoral agencies towards One Health
- To harness and understand the interconnectedness and interdependence between animals, humans and the environment in contextualizing causes and solutions to ill health
- To provide lessons and best practices from Germany and Kenya on how health prevention, promotion and cure can be exploited to attain health for animals, humans and the eco-system



Prof. Elisabeth Wacker giving a talk on *One Health and the Global Agenda*

- Sharing insights among the diverse experts on the possibility of developing a joint curriculum on One Health to accelerate the attainment of the global aim of health for all
- To develop suitable methodological approaches that bridge the disciplines in human, animal and environmental health

The participants – most of them were DAAD Alumni – did not only represent various disciplines, they also joined the workshop from different Kenyan and German universities. At the end, all conference participants agreed that the innovative exploration of this rather new thematic area of health sciences was highly interesting, and that the topic of One Health is definitely future-oriented and leaves a lot of room for new thematic aspects in health research and teaching.

## Upcoming TUM activities in Africa

- ▶ At the [Chair of Restoration Ecology](#), preparations for the **Rooiklip Research Camp 2019** are currently taking place. From March until April 2019, a team of up to eight students and several scientists from TUM and the Namibian University of Science and Technology (NUST) will stay at the chair's Rooiklip Research Station in the Namibian escarpment region where they will perform a number of experiments and carry out research in the fields of animal- and plant ecology. The research is focused on the consequences of climate change on different ecosystem processes in this semi-desert area.



The Rooiklip Research Camp in Namibia.  
Photo: Dr. Thomas Wagner

Colleagues who want to carry out their own research work on Rooiklip are welcome to contact the scientific director [Dr. Thomas Wagner](#).

More information about Rooiklip research Station under [www.facebook.com/rooiklipresearch](https://www.facebook.com/rooiklipresearch)

- ▶ **South-East African and European Conferences on Refugees and Forced Migrants, Second Edition: *Health in Diversity, Diversity in Health?*** held at Pwani University, Kilifi, Kenya on March 12-14, 2019. Forced migration is often framed solely as a security issue, and the implications of societal diversity for health, quality-of-life and well-being, in both Africa and Europe are ignored.

The second edition of the conference, jointly organized by the Chair of Sociology of Diversity, the Max Planck Institute for Social Law and Social Policy and Pwani University, therefore aims to close these gaps by offering an interdisciplinary look at the relationship between refugees, diversity and health, including health care policies, socio-political framework conditions, environmental factors, the situation in refugee camps, quality-of-life approaches and economical perspectives. In order to supply the often Eurocentric scientific discourse on refugees with African points of view, each topic will again be addressed by both African and European researchers. <https://www.pu.ac.ke/forms/TUM-MPISOC.pdf>

- The Technical University of Munich operates a [field research station in the Kenyan coastal city of Malindi](#). TUM students and employees can use this station to conduct research or work on internships while in the country.

This station and the initiation of research stays is coordinated by the Chair of Sociology of Diversity. Several students of health sciences have already successfully completed a stay in Malindi and written their Master or Bachelor thesis with data collected at a local school.

Currently, three further Bachelor students are in the preparation phase for a stay abroad in 2019. Two of them will do an internship at the school and also collect field data for their Bachelor projects; one student will work in a local hospital and gain experiences regarding the Kenyan health system and healthcare provision.



One of the projects in Malindi included developing social, physical and creative activities for the children of the local orphanage. Photo: Lara Huß

## Recent TUM publications on Africa

- Wacker, Elisabeth, Becker, Ulrich, Crepaz, Katharina (Eds.) (2019). Refugees and Forced Migrants in Africa and the EU. Comparative and Multidisciplinary Perspectives on Challenges and Solutions. Wiesbaden: Springer.  
<https://www.springer.com/gp/book/9783658245375>
- Ntihinyurwa, P. D., de Vries, W.T., Chigbu, U.E., Dukwiyimpuhwe, P.A.: The positive impacts of farm land fragmentation in Rwanda. Land Use Policy 81, 2019, 565-581

## Calls for proposals related to Africa

### ► TUM-IAS Regional fellowships Hans Fischer

TUM-IAS will award up to two of the Hans Fischer and/or Hans Fischer Senior Fellowships to candidates from a home institution in Africa and/or Latin America. The current [call for proposals for TUM-IAS Fellowships](#) is open.

### ► TUM Global Incentive Fund: KNUST, Ghana

The new call for supporting TUM professors and TUM junior fellows in exploring and intensifying international collaborations is open. As of 2019, it includes KNUST in Ghana as part of the long-term Africa initiative of TUM. Application deadline is February 22, 2019. For further information, please see the website [TUM Global Incentive Fund](#).

### ► Staff Mobility with Ghana and South Africa

TUM International Center (TUM IC) has launched a call for applications within the scope of the International Dimension of Erasmus+. Funding is available for mobilities of [administrative](#) and [academic](#) TUM staff which take place until June 2020 to the following universities on the African continent:

Ghana: Kwame Nkrumah University of Science and Technology (KNUST)

South Africa: Stellenbosch University; University of Pretoria

► **BMBF Call for project proposals**

BMBF call for development and establishment of African innovation systems ([„Förderung von Entwicklung und Etablierung der Auftragsforschung in afrikanischen Innovationssystemen“](#)). Deadline for submission of project proposals is February 21, 2019.

► **German-African Innovation Prize**

BMBF has published a call for a German-African Innovation Prize. The deadline is January 15, 2019. Please find more information on the [BMBF website](#).

## Upcoming events related to Africa

► **March 12-14, 2019**

*Second South-East-African and European Conference on Refugees and Forced Migrants: Health in Diversity, Diversity in Health?*, organized by The Max-Planck-Institute for Social Law and Social Policy, the Chair of Sociology of Diversity at the Technical University of Munich, and Pwani University at Pwani University in Kilifi, Kenya.

## Contact

If you would like to contribute to this newsletter, please [send an e-mail to Prof. de Vries](#).  
Deadline for the next issue: March 15, 2019