



Photo: TUM

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## TUM.Africa Newsletter

### Latest news on TUM.Africa

- ▶ This is the first newsletter related to TUM activities in and for Africa. The newsletter does not pretend to be complete, but the aim is to share information which individual Chairs find important and relevant for other Chairs. The aim is also to foster inter-disciplinary and trans-disciplinary cooperation and make better use of the funding opportunities which may exist, and which may help the establishment of TUM.Africa.
- ▶ A TUM.Africa roundtable discussion took place on May 14, 2018. As a first follow-up 10 Expressions of interests were assembled in response to the call by the roundtable discussions. Currently discussions are held to seek and secure funding.

### Recent TUM activities in Africa

- ▶ Ongoing project: **NEXUS The Nexus of Water, Food and Energy. German Academic Exchange Service** to TUM to develop a study program, including African partner universities in Ethiopia and Tanzania, led by Prof. P. Rutschmann, Hydraulic and Water Resources Engineering at TUM
- ▶ Humboldt Fellow Dr. Luke Olang from Kenia at Chair Hydrology and River Basin Management. His topic is: **“Integrated Drought Risk Management in the Horn of Africa towards integrating Scientific Early Warning Systems and Local Information”**
- ▶ Chair Hydrology and River Basin Management contributed to The 18th International symposium on **Sustainable Water Resources Development**, at the Arba Minch Water Technology Institute, Arba Minch University, Ethiopia. **June 8 – 9, 2018**

- ▶ Hany Abo-El-Wafa, a researcher at the Chair for Strategic Landscape Planning and Management (TUM School of Life Sciences Weihenstephan), is investigating **the impact of urbanization and urban growth on the surrounding environment of urban areas in sub Saharan Africa.**

In his study, he incorporates environmental and hydrological models into an Urban Spatial Scenario Design Model (USSDM) to assess the impact of settlement expansion on selected ecosystem services provided by the natural and semi natural vegetative land cover. [Learn more about Hany Abo-El-Wafa](#)



Urban expansion - case Kigali Rwanda  
Photo: TUM

- ▶ **Short-term Lectureship at KNUST by the Professorship of Modeling Spatial Mobility at TUM**
- ▶ On the invitation of the Director of the Road and Transportation Engineering Master's Program (RTEP) at KNUST, Dr. Matthew Okrah of the Professorship of Modeling Spatial Mobility at TUM visited KNUST as a guest lecturer in Transport Modeling between **March 1 and March 31, 2018**. The objective was to equip students with knowledge and skills necessary to develop models to assess proposed solutions to transport problems and support decision making in the transport sector. Over a period of four weeks, the RTEP students were introduced to the theoretical concepts in transport modeling and were trained to use the VISUM software to apply the learned concepts to develop travel demand models.
- ▶ Concept Development and realization of a workshop at the 12th IGSSE Forum in Raitenhaslach: Prof. Dr. Clarissa Prazeres da Costa and Katharina Klohe, on behalf of the Center for Global Health, together with Kathrin Schmidt from the Graduate School and Prof. Wacker, chair of Sociology of Diversity, were involved in the concept development as well as the realization of the workshop **"Forging Sustainable Research Partnerships"** that was organized as part of the **12th IGSSE Forum in Raitenhaslach** that took place from May 7 – 9, 2018.

The goal was to introduce and develop the idea of a One Health Summer School in Kenya for PhD students at TUM together with PhD students of partner universities in Kenya. The students were very interested in the subject area of One Health and the planning and funding of the summer school will now be tackled together with IGSSE.



TUM Center for Global Health in Africa  
Photo: TUM

[More about the IGSSE Forum 2018](#)

- ▶ The newly founded [Center for Global Health](#) at TUM now has a functioning website on which you can find out more about its activities.



- ▶ ADLAND Consortium, led by the Chair of Land Management TUM, conducted two **International Workshops on responsible and smart land management** at KNUST, Ghana, on **June 4 – 6, 2018**. [Read the article](#)

- ▶ Prof. de Vries from Land Management Chair provided two key note speeches: “**Revisiting rural development: how can we make rural regions lucrative and attractive in a participatory manner?**” and “**Overview on Land tenure and Rural Development**” at The 1<sup>st</sup> [Dodoma International Conference](#) on making Rural Region Inclusive in Industrialization process of the Global South in Tanzania, which took place from **June 28 – 30, 2018** in Dodoma, Tanzania.



Land use planning in Ghana - establishment of hospital  
Photo: TUM

[Read the article \*Prof de Vries contributes to rural development in Tanzania\*](#)

- ▶ **Mobile Solarkraftwerke Afrika** builds mobile solar power plants for off-grid use, delivering clean and affordable electricity to rural communities, enabling local education and economic development. Project “Solar Container” was **nominated by Climate-KIC** in the award category Venture Award Nominee. [More information on the website of the European Institute of Innovation and Technology](#)

## Upcoming TUM activities in Africa

- ▶ Within the context of the DAAD supported [Quality Network Biodiversity](#) a fieldwork with MSc students will take place in the Taita Hills, Kenya in **August 2018**. Within the theses, two students from TUM and two from Kenya additionally research major topics of land management and property rights in the study area around Taita Hills, Kenya. The four land management students are supported by [Global Land Tool Network \(GLTN\)](#).
- ▶ **Research writing workshop** at ARDHI, Tanzania by Land Management Chair (ADLAND project), Dar Es Salaam, **August 6 – 10, 2018**.
- ▶ **Research development Workshop at INES, Musanze, Rwanda** by Land Management Chair (ADLAND Project) – **August 6 – 10, 2018**.
- ▶ **NEXUS Water-Food-Energy Summer school, August 22 – September 5, 2018**  
[Download the flyer](#)
- ▶ Prof. Dr. Abdella Kemal from Arba Minch University visits TUM for two months in **Fall 2018** as part of the [TWAS-DFG Cooperation Visits Programme](#) for scientists from sub-Saharan Africa.
- ▶ Lehrstuhl für energieeffizientes und nachhaltiges Planen und Bauen (ENPB) submitted a project proposal “**Performance-based renewable strategies for plus-energy residential prototype in Egypt**” for the German Egyptian Research Fund (GERF) 2018. Egyptian partner in this project is Ain Shams University (ASU). [Read the project proposal](#)

## Calls for proposals related to Africa

### Calls for proposals – TUM initiatives

#### ▶ **Laura Bassi enhancement program 2018/2019**

The Technical University of Munich (TUM) promotes women in science. The funding is provided by the government of Bavaria and managed by the TUM Gender Equality Officer for the enhancement of female scientists.

The TUM Gender Equality Officer is in charge of awarding the funding and positions. All applications, as well as notifications of discontinuation, should be directed to the Gender Equality Officer.

Two copies of the complete application

with all supporting documentation are to be submitted via [e-mail to Dr. Eva Sandmann](#) by **September 17, 2018**. Further details will follow.



Female TUM scientists in Africa  
Photo: TUM

### Calls for proposals – national level

#### ▶ **ASA Program – Engagement Global** [Download the factsheet](#)

#### ▶ **Richtlinie zur Förderung gemeinsamer innovativer Projekte im Bereich der angewandten Forschung durch den Deutsch-Ägyptischen Forschungsfonds (GERF)** Fünfte gemeinsame Bekanntmachung des Bundesministeriums für Bildung und Forschung der Bundesrepublik Deutschland und des Science and Technology Development Funds (STDF) der Arabischen Republik Ägypten. [Weitere Informationen auf der Webseite des Bundesministeriums für Bildung und Forschung](#)

#### ▶ **Stärkung der arbeitsmarktorientierten Ausrichtung von Hochschulen in Afrika - Entrepreneurial Universities in Africa (EpU)** Hochschulen in Tunesien und Marokko sollen mit deutscher Hochschulunterstützung in die Lage versetzt werden, ihre Institution nachhaltig arbeitsmarktorientiert auszurichten. Kapazitätsaufbau insbesondere im Bereich Hochschulmanagement und Verwaltungsstrukturen stehen im Fokus des Programms. Gefördert werden für einen Zeitraum von 4 Jahren Personal-, Mobilitäts- und Sachausgaben auf deutscher und teilweise auch afrikanischer Seite. [Weitere Informationen auf der Webseite des DAAD](#)

#### ▶ **Deutsch-afrikanische Kooperationsprojekte in der Infektiologie** Die Deutsche Forschungsgemeinschaft (DFG) fordert zur Antragstellung für gemeinsame Forschungsvorhaben mit Wissenschaftlerinnen und Wissenschaftlern in Afrika auf dem Gebiet der Erforschung von Infektionskrankheiten und deren sozialen Auswirkungen auf. Insbesondere Forscherinnen und Forscher in der Human- und in der Veterinärmedizin werden ermutigt, Fördermittel für die Erforschung vernachlässigter tropischer Infektionskrankheiten zu beantragen. [Weitere Informationen auf der Webseite der DFG](#)

## Calls for proposals – European Commission

- ▶ **Smuggling**  
Deadline: September 13, 2018, 5 p.m. [More information](#)
- ▶ **Sustainable Intensification in Africa**  
Deadline: January 23, 2019, 5 p.m. [More information](#)
- ▶ **Food Systems Africa**  
Deadline: January 23, 2019, 5 p.m. [More information](#)
- ▶ **All Atlantic Ocean Research Alliance Flagship**  
Deadline: January 23, 2019, 5 p.m. [More information](#)
- ▶ **Human dynamics of climate change**  
Deadline: February 19, 2019, 5 p.m. [More information](#)

## Upcoming events related to Africa

- ▶ **1. August 2018** Veranstaltung zum Thema „Digitalisierung in der Entwicklungszusammenarbeit mit Afrika - Risiken und Chancen“ – Impulsvortrag Prof. Simon Hegelich – Hochschule für Politik, TU München, ab 15:45, Konferenzzentrum Hanss-Seidel-Stiftung, [Anmeldung per E-Mail](#)
- ▶ **November 16, 2018** Symposium Sustainable development in Africa at TUM Campus Garching.  
  
Learn more on the [TUM Emeriti of Excellence website](#)
- ▶ **Save the Date: December 7, 2018** Global Health Day and the official launch of the Center for Global Health at TranslaTUM and meeting of the network Women in Global Health Germany, 8th December 2018. More information and the event website will follow in due course.

## Contact

If you would like to contribute to this newsletter, please [send an e-mail to Prof. de Vries](#).  
Deadline for the next issue: October 15, 2018