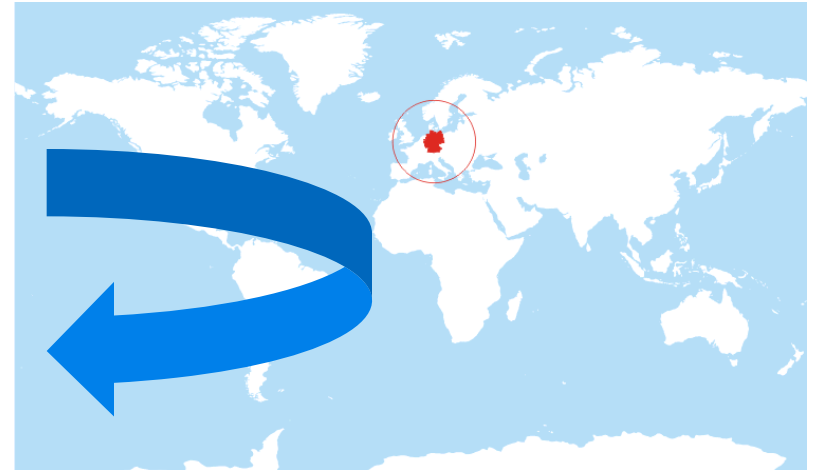
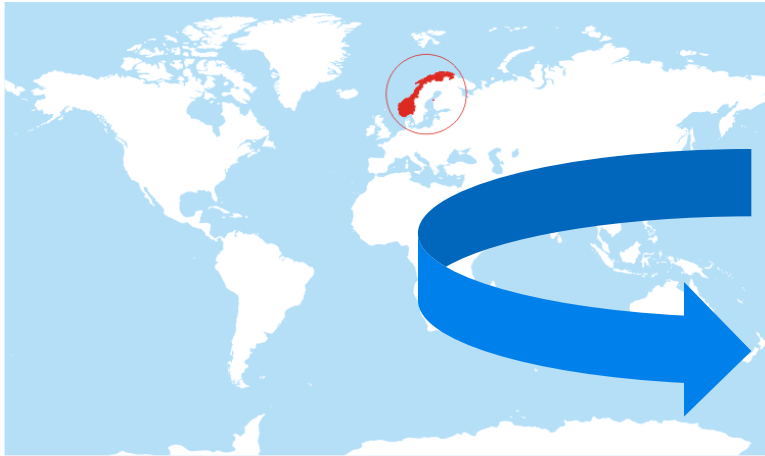


The Centres for Global Health Munich/Oslo



The University of Oslo

- Founded in 1811
- 8 faculties & 2 museums
- Strong track record of pioneering research & scientific discovery: 5 Nobel Prize winners
- 8 National Centres of Excellence
- Strategic focus on research in the field of energy & life sciences
- A non-profit research university, access to good public funding schemes
- Extensive EU research project portfolio
- 800 courses in English, 40 Master's degree programmes entirely in English & several PhD programmes



2016 for UiO

- **28 000** students
- **2954** PhD candidates
- **7000** staff



Faculty of Medicine

- Institute of Basic Medical Sciences
- Institute of Clinical Medicine
- Institute of Health and Society

Key figures for the Medical Faculty for 2016

- **2203** Registered students (1271 medical, 903 Master, 73% women)
- **1325** PhD candidates
- **190** PhDs graduating (63,7% women)
- **1386** academic staff
- **190** Technical + **288** Admin staff
- **2233** Scientific publications
- **753** Active research projects with external funding

Nationally Designated Research Centres:

Jebsen Foundation Research Centres

Cancer Stem Cell Innovation Centre

Cardiac Research Centre

Centre for Psychosis Research

Centre for Vaccine Research

Center for Cardiology Research

Centres of Excellence

Centre for Molecular Biology and

Neuroscience (CMBN)

Centre for Immune Regulation (CIR)

Centre for Cancer Biomedicine (CCB)

Centre for Research Driven Innovation

Cancer - stem cell innovation center

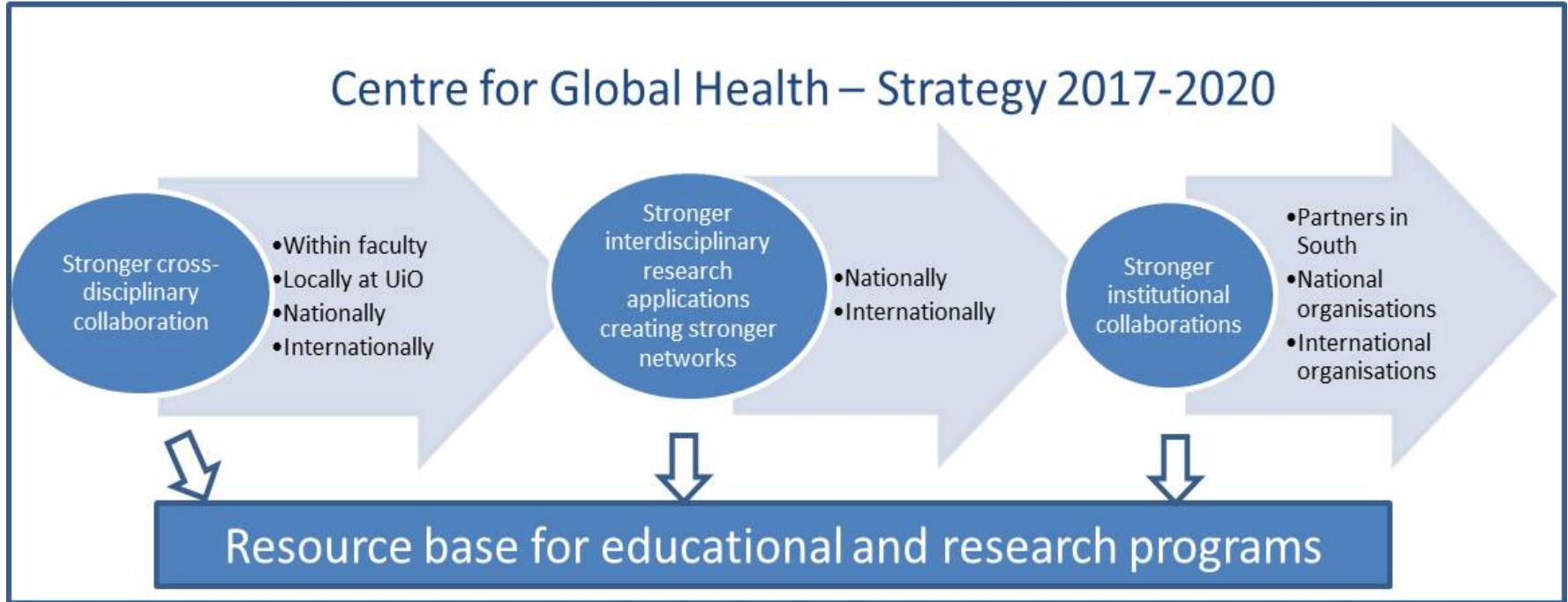


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The Centre for Global Health, UiO

- Sustainable Development Goals (SDGs)
- Reconceptualising international and public health within the global context
- Building an intellectual space for researchers working on global health



Strategic areas

Centre for Global Health – Strategic areas 2017- 2020

Networks

Provide opportunities for networking in the field of Global Health for scientists, clinicians, policymakers and students directly or indirectly affiliated to the UiO

Signatory themes

Facilitate and promote cross-disciplinary research in signatory themes

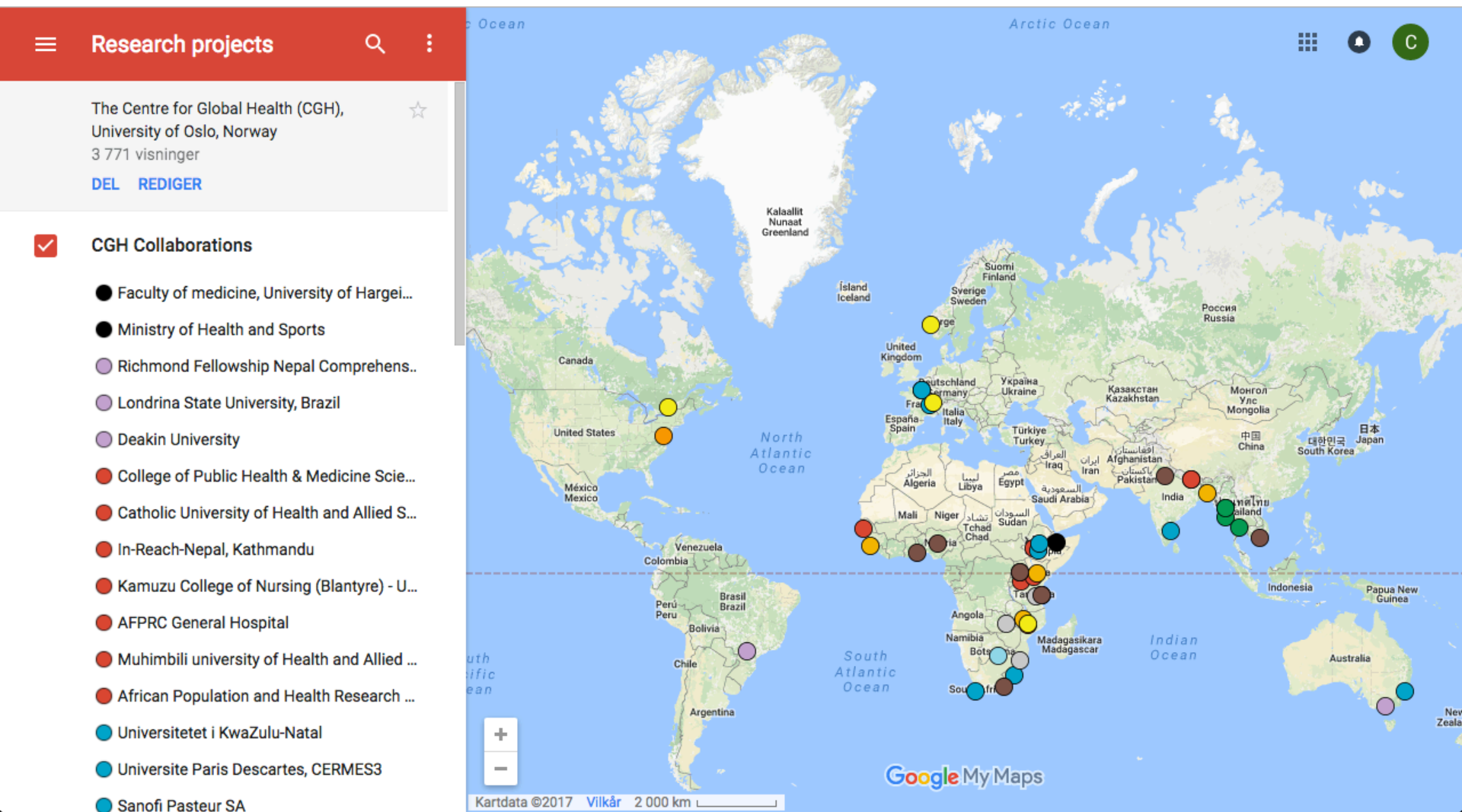
Education

Provide a deeper resource base for leading and innovative global education

- Non-communicable diseases
- Global mental health
- Mother and child health
- Infectious diseases
- Nutrition
- Migrant health and social inequalities
- One-health
- Digital health
- Health systems and global governance
- Contemporary history and anthropology Education in global health
- Global Paediatrics



Centre for Global Health, UiO research ([Google link](#))



Why collaborate with the CGH, UiO?

- Access to relevant and updated information
- Entry to a centralised Global Health hub
- Platform for creating collaborations across various disciplines
- Information on comprehensive funding opportunities in Global Health
- Support for interdisciplinary proposal writing
- Support for organizing seminars and conferences
- Dissemination through CGH channels



Some of our affiliations

NORWAY

- Norwegian Research School of Global Health
- Peace Research Institute Oslo (PRIO)
- Norwegian Forum for Global Health Research
- Norwegian Institute of Public Health (FHI)
- Basic Internet Foundation

EUROPE

- Department of Mental Health and Substance Abuse, WHO
- Department of the Control of Neglected Tropical Diseases, WHO
- Institute of Tropical Medicine, Antwerp, Belgium
- Department of Veterinary Disease Biology, University of Copenhagen, Denmark

Global South

- University of Public Health, Myanmar
- Muhumbili University of Health and Allied Sciences, Tanzania
- Sokoine University of Agriculture, Tanzania
- University of Hargeisa, Somaliland
- Eduardo Mondlane University, Mozambique
- University of Zambia, Zambia
- Capetown University, South Africa
- Stellenbosh University, South Africa



CGH core group & implementation



Prof. Johanne Sundby,
Inaugural / deputy head;
Maternal & child health



Prof. Andrea Winkler,
Head of the CGH



Ingeborg Haavardsson,
Coordinator



Prof. Christoph Gradmann,
Strategic Advisor;
Contemporary history &
anthropology

Signatory theme leaders



Prof. Espen
Bjertness,
NCDs



Assoc. Prof. Bernadette
Kumar,
Migrant health & social
inequalities



Assoc. Prof.
Suraj Thapa,
Mental health



Prof. Anna Margarita
Dyrhol Riise,
Infectious Disease



Prof. Nanna
Lien,
Nutrition



Assoc. Prof. Trygve
Ottersen,
Health systems &
global governance



Prof. Britt
Nakstad,
Paediatrics



Prof. Josef Noll,
Digital health



Communication



Technical University of Munich

- **14 Faculties**
- **172 Degree Courses**
- **40 100 Students**, 34% female, 24% international
- **8 900 Graduates** per year
- **1 000 PhD Theses** per year

Milestones

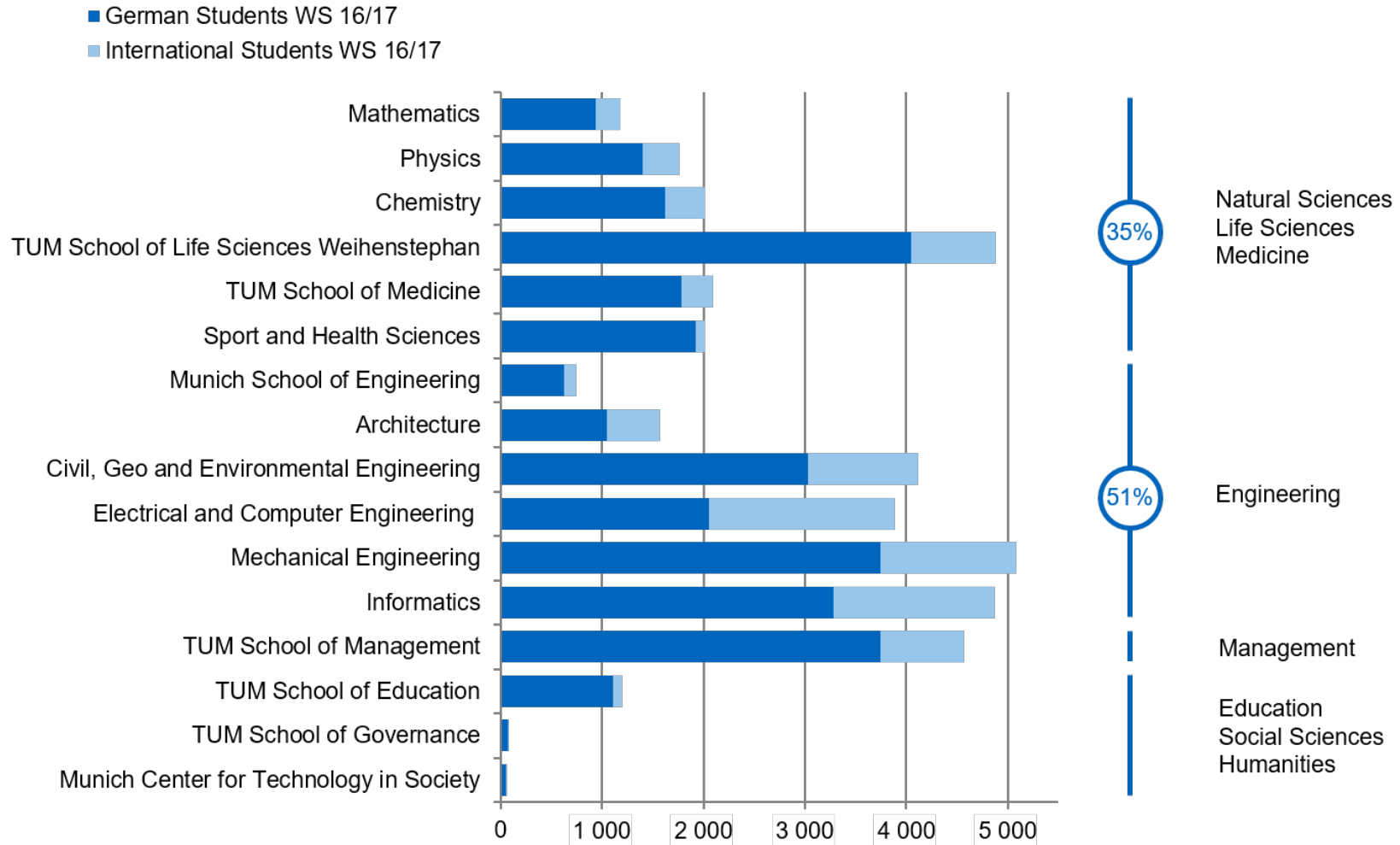
- 1877** "Technical University"
- 1967** TUM School of Medicine, University Hospital
- 1970** Presidential Constitution, "Technische Universität München"
- 2002** TUM Branch in Singapore: TUM. Asia Pte. Ltd.
- 2005** TUM Institute for Advanced Study (IAS)
- 2006** TUM elected "University of Excellence"
TUM International Graduate School of Science and Engineering (IGSSE)
- 2009** TUM School of Education / TUM Graduate School
- 2010** TUM University Foundation / Munich School of Engineering (MSE)
- 2012** TUM again elected "University of Excellence" / Munich Center for Technology in Society (MCTS)
- 2014** Hochschule für Politik München – Bavarian School of Public Policy
- 2015** Munich School of Bioengineering



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Students by Departments



Excellence Initiative

- Organized by the German federal & state governments



- Enabling universities to realise cutting-edge research projects & to raise their profile in the international science community
- 2006: institutional strategy *“TUM. The Entrepreneurial University”*
 - cutting-edge research (TUM Institute for Advanced Study)
 - encouragement of up-and-coming young scientists
 - culture of entrepreneurship
- 2012: *“TUM. Talents in Diversity”* strategy
 - to attract elite international scientists to strengthen TUM’s status as a technical research & teaching hub
 - Health & Nutrition • Energy & Natural Resources • Environment & Climate • Information & Communications • Mobility & Infrastructure
 - Set up of TUM’s Integrative Research Centers & Faculty Tenure Track career system
 - Set up of TUM’s International Graduate School of Science and Engineering & TUM Graduate School



Integrative Research Centers

Interdisciplinary Research & Teaching

- symbiosis of scientific cultures
- themed education and research centres
- societal challenges
- (e.g. energy research)
- integrating master and PhD programs
- (TUM Graduate School)



Walter Schottky Institute | Semiconductor & Nanotechnology

Nutrition & Food Sciences

Biogenic Resources

Leonardo da Vinci Center for Bionics

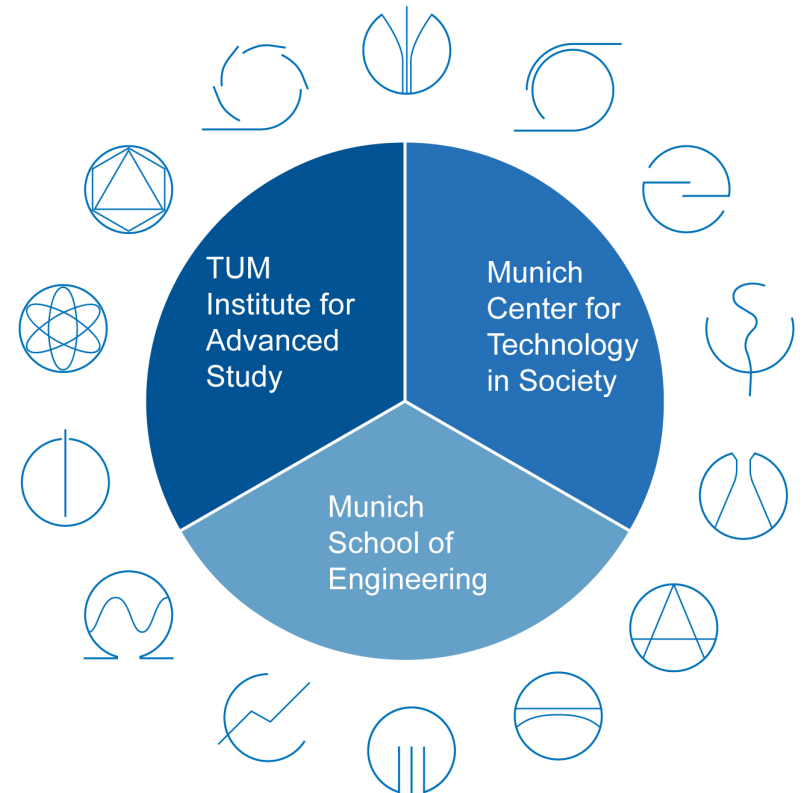
Medical Engineering

Hans Eisenmann Center for Agricultural Sciences

Munich Aerospace

Catalysis Research Center

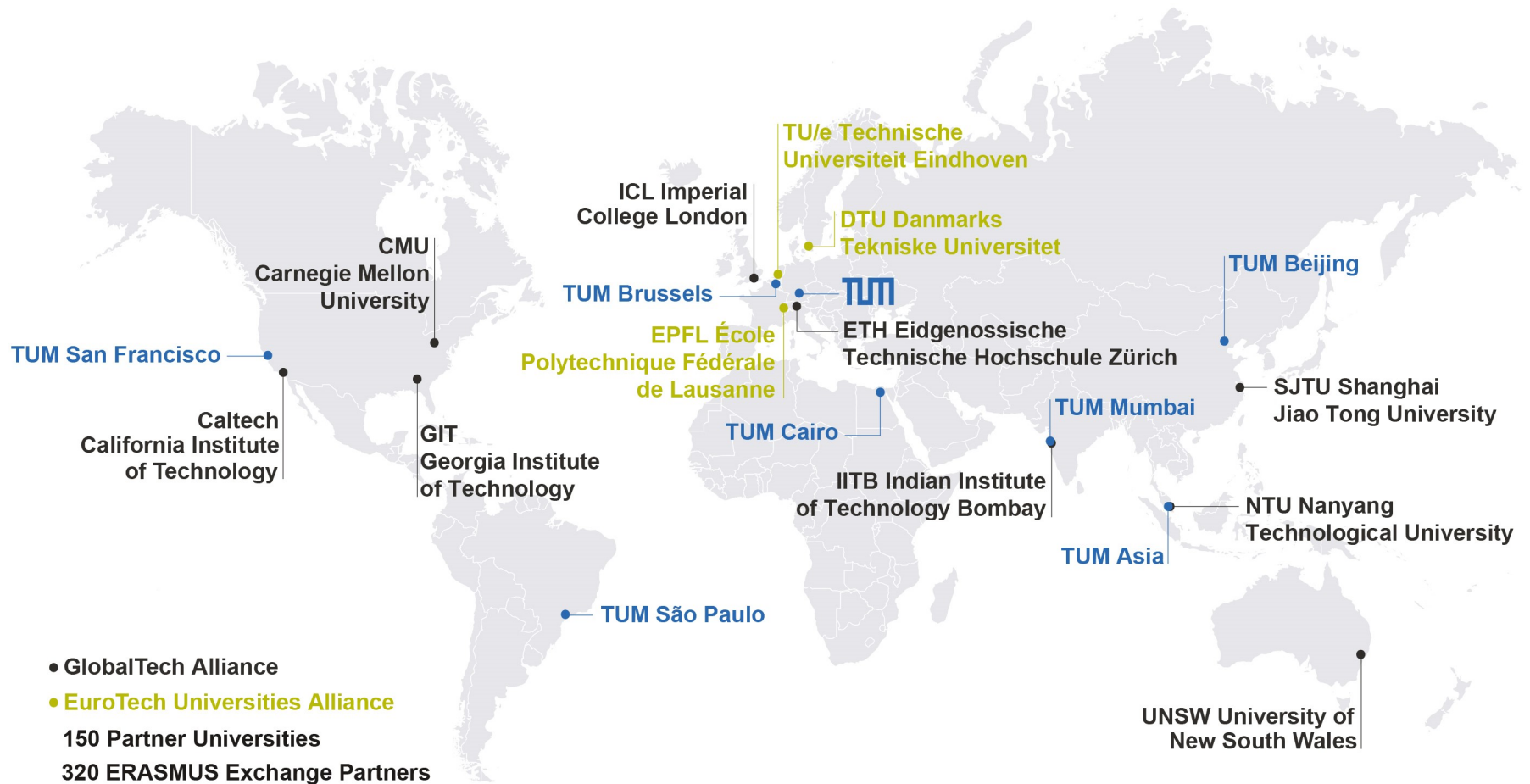
Research Neutron Source | Heinz Maier-Leibnitz



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TUM.Global



Medical Faculty



- Enrolled students: over 1.500 (approx. 2/3 female & 1/3 male)
- 5.2% of total number of TUM students (2015)
- Professorial positions: 46 chairs and 38 extra chairs
- Academic staff: over 1.200
- Other staff: over 2.800
- Organizational units: 24 clinics, 6 independent departments and 18 institutes (10 of that belonging to TUM)
- TUM School of Medicine, together with the university hospital, is one of the strongest medical research locations in Germany
- The guiding principle for its future is a results-oriented synergy of
 - research
 - teaching
 - patient care



Center for Global Health



Founded: 2017

Structure: university-wide centre for integrative research and teaching

Team: Co-Directors: Prof. Dr. Dr. Andrea S. Winkler; Prof. Dr. med. Clarissa Prazeres da Costa
Coordinator: Katharina Klohe, MSc.

Vision: - to contribute to positive change in the world by addressing global health challenges in an interdisciplinary way
- to foster novel research approaches & the training of the next generation global health leaders

Topics: to reflect the strengths and expertise already present at TUM, such as NTDs, climate change and health, governance, AMR

Teaching: establishment of a Masters programme and PhD Programme



Digi work in Tanzania - update

Overall Question: Can digital health intervention strengthen weak health systems in resource poor settings?

Aim:

- To design, implement and assess digital health interventions to improve the knowledge/attitude/perception (KAP), health-seeking behaviour.....of people suffering from *T. solium* taeniosis/cysticercosis, HIV/AIDS, TB and Anthrax in the selected villages in Tanzania.
- To produce the customized content for the health messages and to make a plan for rolling out the *T. solium* taeniosis/cysticercosis, HIV/AIDS, TB and Anthrax health messages. (Protocol, March, 2017)



Activities started (September 2017 – Dr. Sukums)

1. Site visit to Izazi and Mtera
2. Revision and adaption of the project protocol to fit Tanzanian context
3. Negotiation with Internet service providers/Telecom operators
4. Preparation of health education materials
5. Adaption of health education materials to mobile apps and text messages
6. Monthly meetings (Gotomeeting)



Digi Health research activities

- Systematic review of digital health platforms in Africa
- The project protocol - revision and adaption
 - Design (longitudinal or randomized controlled trials)
 - Intervention (exact definition; maybe different interventions a) conventional teaching, b) InfoInternet)
 - Outcomes (only KAP or also behavior change)
 - Diseases (all four or should we focus on two)
 - Health messages (which format?)
 - How do we avoid contamination?
- Application to Regional Ethics Committee
- Review of health education materials of chosen diseases



Digi Health research activities

- Production of content to InfoInternet
 - Streamline the content
 - One-page written in English and local language
 - Voice and illustrations for the illiterate
 - Animation for children / others
- Design of research tools (questionnaires etc)
- Performance of the study
 - Baseline investigations
 - Randomization
 - Intervention (definition of what exactly this would be)
 - Post-intervention examinations



Digl - Activities to come (Sept, 2017 – Dr. Sukums)

1. Finalization of the protocol
2. Preparation of detailed/revised work plan and budget
3. Application for ethical clearance
4. Approval of health educational materials
5. Finalize the negotiation with Internet service providers/Telecom operators
6. Baseline surveys
 - a) To establish availability of network connectivity,
 - b) To establish knowledge and practice with regards to the diseases mentioned above
 - c) To understand knowledge in the population on the use of digital health
7. Implementation of the mobile apps for the project
8. Monitoring and evaluation



Digi Health research – upcoming milestones

- Finalization of the protocol
- Approval of health messages
- Ethical approval in Norway – REK
- Baseline studies in TZ
- Monitoring and evaluation of the Pilot A
- RCT in Tanzania

Digi Health research – clarifications needed

- Any students in Tz? If so, who?
- Publications – we should start now (joint publications on digital health)
- What is meant by platform? The challenges of multidisciplinary work...
- What exactly is the InfoInternet?
- Trial design
- Financing of the trial?

