



SICU Sustainable Incremental City Unit.
It addresses the needs for participatory design through a process-oriented building typology.

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africa re:load (since 2011): Annual themed networking event. Brings together participants from the private sector, research and development co-operation around current issues of cooperation between Germany and Africa.

Concept – Test – Realization (2011-2014): Three-year educational and research project in the field of affordable architecture, in cooperation with the Bauhaus University Weimar, EiABC Addis Ababa and Juba University through funding by the DAAD. Three model constructions in scale 1:1 were collaboratively designed and constructed by students and teachers in Ethiopia, in collaboration with the private sector.

Zero Award (2012): Coordination of innovation competition in Greentech and Design between Egypt, Ethiopia and Germany in coop with the GIZ, iceHubs and Bauhaus Universität Weimar: Project selection, co-creation workshops and award ceremony.

icecairo eLearning (2013): Concept and implementation of a learning management system and prototypical blended learning formats for techhubs and maker spaces in Egypt.

Prototyping Textiles in Architecture (2013): One week training for young architects in Cairo, as well as 2 weeks prototype workshop “Slides” in cooperation with the GIZ, the American University in Cairo and SEPIA Institute for Textile Arts Halle / Saale.

Green Skills Training (2013): Concept development for academically sound developments on the subjects of Urban Resilience; Zero Emission & Eco Sanitation in Egypt, networking of partners and field trips to Cairo.

Runners’ App (2014): Novel prototypical smartphone app to support Ethiopian long distance runners and their coaches. Application of user-centered design methods, in collaboration with an Ethiopian IT startup and with support of the Adi Dassler Foundation.

ict4agriculture Desk Study (2014): “Analysis of ICT Support potentials for improved smallholder farm production in partner countries” for the GIZ. Overview of international actors, best and failed practices and development of needs and stakeholder potentials in selected partner countries.

Usability Evaluation Framework (2015): Development of an evaluation concept for existing ICT applications in agriculture in cooperation with The Technical Centre for Agriculture and Rural Cooperation (CTA) and University of Applied Sciences Nuremberg.

Innovation Factory – Realising Shared Ideas (2015-2016): Technical cooperation with GIZ Innovation Factory in the field ict4ag to build networks in selected partner countries and Germany, with the aim of identifying needs and developing applications.

EXPERTISE AND EXPERIENCE IN INTERNATIONAL COOPERATION AND DEVELOPMENT

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icebauhaus is a member of the international ice-Hubs network. Our work is primarily project-based and community oriented. As a principle, we design content and formats of our projects together with our partners, based upon impulses and requirements from our network. Our members are experts within various academic disciplines, entrepreneurs and generalists with a great deal of background experience in international cooperation.

Our current topics:

- » ICT in agriculture: Innovative use of technologies to increase the production of small hold farmers and agribusinesses in developing countries.
- » Experimental building: Lowcost housing (local building materials and techniques) and participatory formats of urban development.
- » Techhubs, maker Spaces and networks: Method consulting, development and implementation in developing countries.
- » Product development and business processes for bottom-of-the-pyramid target groups.

Our particular expertise and experience:

- » Needs assessment and prototyping to develop locally meaningful technologies through the use of user-centered design, co-creation and rapid prototyping methods in architecture and product design.
- » Active and open e-learning, social media and knowledge management formats, innovation networks and -communities, open source & open educational resources.
- » Implementation of pilot projects in a development context through competence sharing between German and local actors with the integration of research, private sector, NGOs and public actors. Furthermore: Organizational consulting and funding concepts for startups and NGOs. Mediation to networks of local and regional stakeholders, incl. techhubs, incubators and grassroots innovation communities.



Fieldtest for prototyping of a mobile application to support Ethiopian athletes and trainers.