Timeline of the Project

Preparation Phase (duration: 6 months)

During this phase a solid project consortium will be put together which will make specific plans how to cooperate and how to develop adapted solutions to promote sustainable buildings and sustainable urbanization in Cambodia in partnership with an adequate set of local communal and academic partners.

The most important event of this phase will be a stakeholder workshop in Phnom Penh hosted by the Cambodian Institute of Urban Studies (CIUS).

Definition Phase (18 months)

This phase shall research the regional conditions and will mainly produce status reports on the various topics of urban sustainability. We also envisage to organize an exhibition showing good-practice examples of green buildings & energy-efficient neighbourhoods from Germany.

A full proposal for the main phase will be submitted 12 months after the project has started. The definition phase will be so designed that it already produces exploitable results even if no further funding is provided.

Research & Development Phase (2 x 24 months)

During the four-year R&D phase we will produce information reference tools and resources to disseminate our research results to the municipal authorities, the local industry and for use by the general public. The tools and resources for intelligent implementation developed in close cooperation with local stakeholders include handbooks for green housing for various target groups, an index of urban quality of life, several demonstration projects, e.g. together with a local school, as well as capacity buildings measures at universities and among practitioners.

Furthermore, feasibility studies will be conducted to prepare the inclusion of companies and of international donor organisations into the subsequent implementation phase.

Implementation Phase (24 months)

This phase aims to encourage the practical implementation by involving partners such as GIZ, KFW, TUEV Rheinland or other donor organisations, and to extend the results of our project to other cities in Cambodia.

Overview of the Project Consortium

We have gathered a multi-disciplinary team with a proven record of academic excellence, extensive regional expertise and solid project experience.

Main Cambodian Research Partner
Cambodian Institute of Urban Studies
Director: Dr. Tep Makathy

CIUS
CAMBODIAN INSTITUTE FOR URBAN STUDIES

Work Package 1: Behaviour Change
Responsibles: Dr. Anke Blöbaum / Prof. Dr. Ellen Matthies

OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG
FACULTY OF NATURAL SCIENCES

Work Package 2: Sustainable Buildings
Responsible: Dr. Dirk Schwede

University of Stuttgart
Germany
ILEK

Work Package 3: Sustainable Neighbourhoods
Responsible: Dipl.-Ing. Rolf Messerschmidt

EBLE_MESSERSCHMIDT PARTNER
Architects and Urban Designers PartGmbB

Work Package 4: Urban Green
Responsible: Prof. Dr. Jan-Peter Mund

HNE Eberswalde
Eberswalde University for Sustainable Development
University of Applied Sciences

Work Package 5: Urban Climate
Responsibles: Prof. Dr. Lutz Katzschner / Sebastian Kupski

INKEK institute for climate and energy strategies

Work Package 6: Governance / Institutional & Legal Context
Responsible: Dr. Michael Waibel

Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

Project Coordination

University of Hamburg - Department of Earth Sciences
Institute of Geography - Division of Human Geography
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EcoThinking Cambodia - www.ecothinking.de

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BuildPeople Project

Sustainable Buildings for People – Enhancing Urban Quality of Life in Cambodia

www.buildpeople.de

„The battle for a more sustainable future will be won or lost in cities"
2012 Manifesto for Cities, Global Mayors' Forum

PROJECT LEADER

Universität Hamburg
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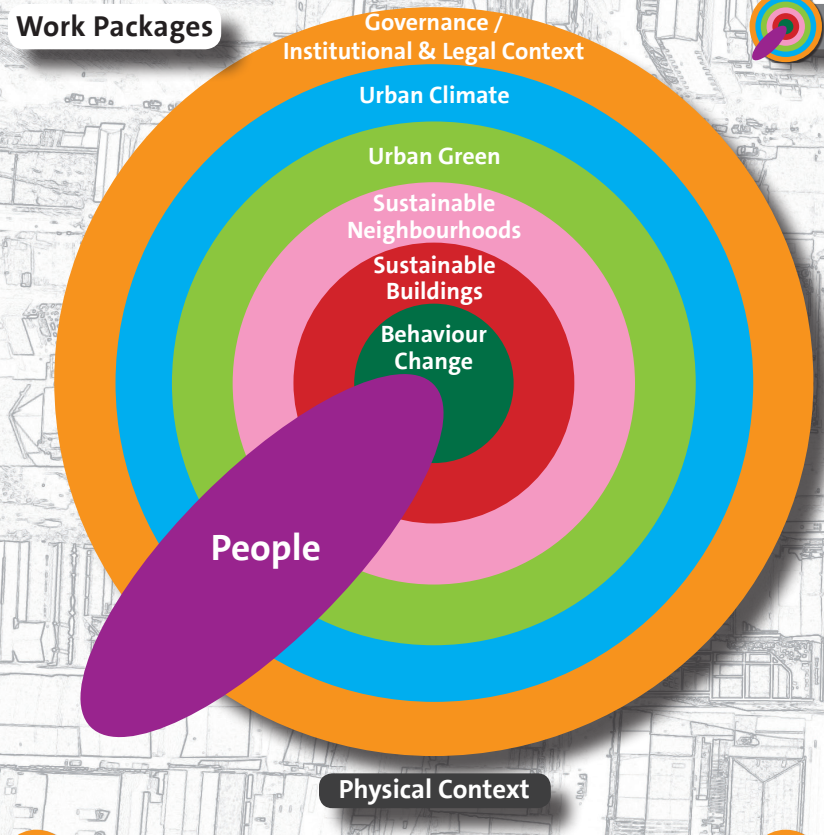
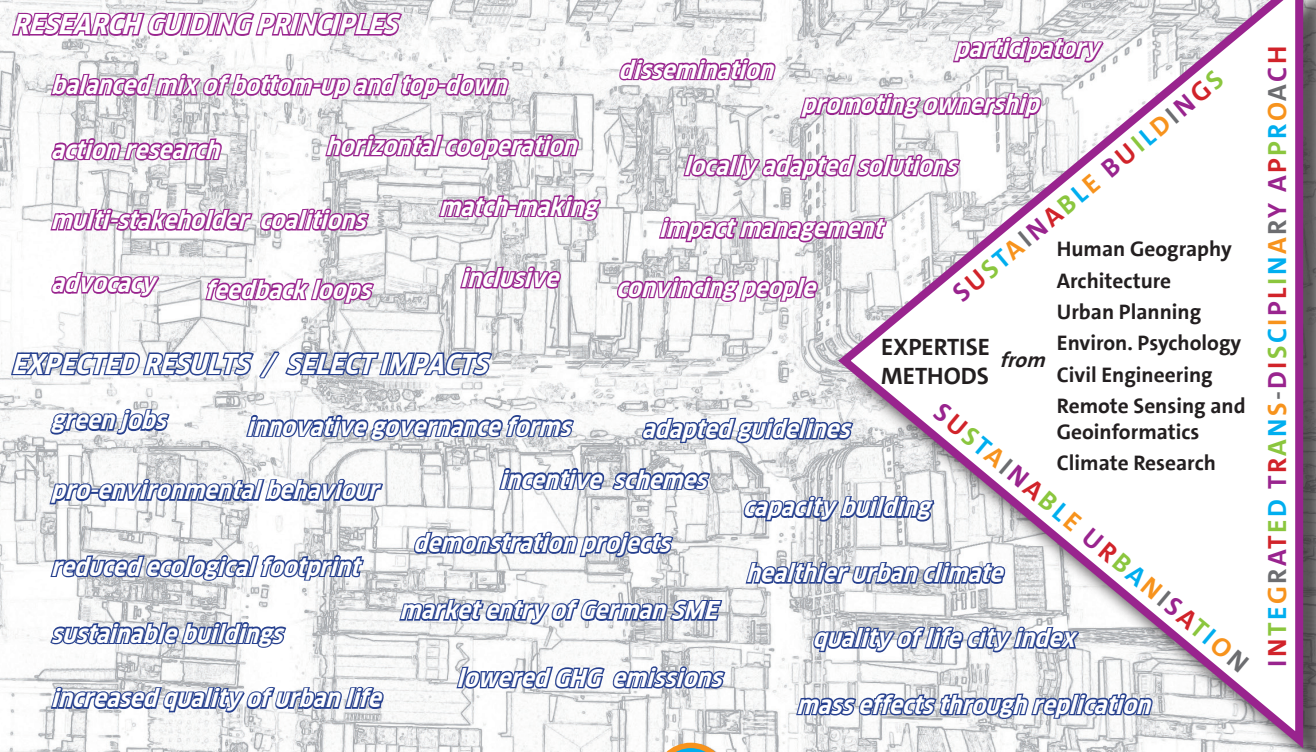


Overview of the Project: Sustainable Buildings for People - Enhancing Urban Quality of Life in Cambodia



Rationale & Background

Despite Cambodia's long tradition of *vernacular architecture* where initial building practices took climate conditions into account with, currently there is only limited knowledge and awareness about the subject of sustainable buildings.

The development towards a *modern consumer society*, giving rise to more *resource-intensive life-styles*, strongly effects the way buildings are designed, built and operated. Consequently, electricity consumption per capita has risen sharply within recent years.

Investing in energy efficiency promises a very good *return on investment* because electricity prices in Cambodia are among the highest in the region. Improvements to energy efficiency will save hundreds of millions of dollars each year. Another advantage will be to decrease energy *import dependencies* thus increasing the *competitiveness* of Cambodia's economy.

Originality of the Project

Sustainability is a *transversal issue*. To achieve a viable implementation with a sustained impact we pursue a *trans-disciplinary* and *holistic approach* incorporating innovative methods and expertise from various fields (see above).

The work package teams will cooperate together, share their findings and develop *joint deliverables*. Tools and products will systematically build upon each other. *Learning curves* and *feedback loops* will be incorporated into the project design.

The promotion of sustainable buildings cannot only happen in the top-down manner of simply issuing regulations. Therefore, to *kick-start change* and *advocate implementation* we will follow an inclusive approach of *engagement*, *encouragement*, *enablement* and *exemplification*. In this context our methodology is to *convince people* rather than to force them.

Overall Objectives of the Project

The objectives for the Sustainable Buildings for People - Enhancing Urban Quality of Life in Cambodia project are to promote *sustainable buildings* and *sustainable urban development*.

With this project our multi-disciplinary team focuses on *people's needs and aspirations*, and aligning those with tools to benefit and enhance their living. We believe this will lead to major effects on urban sustainability through more *energy*- and *resource-efficient buildings*. The results we seek are no less than significantly lowered greenhouse gas and pollutant emissions, a better indoor environment, an increase of urban green, a healthier urban climate, raised awareness among decision makers, modified behaviour among the urban population and an overall *better quality of urban life*.

Our Advisory Board will ensure that our measures are *demand-driven* and *adapted to the local context*.