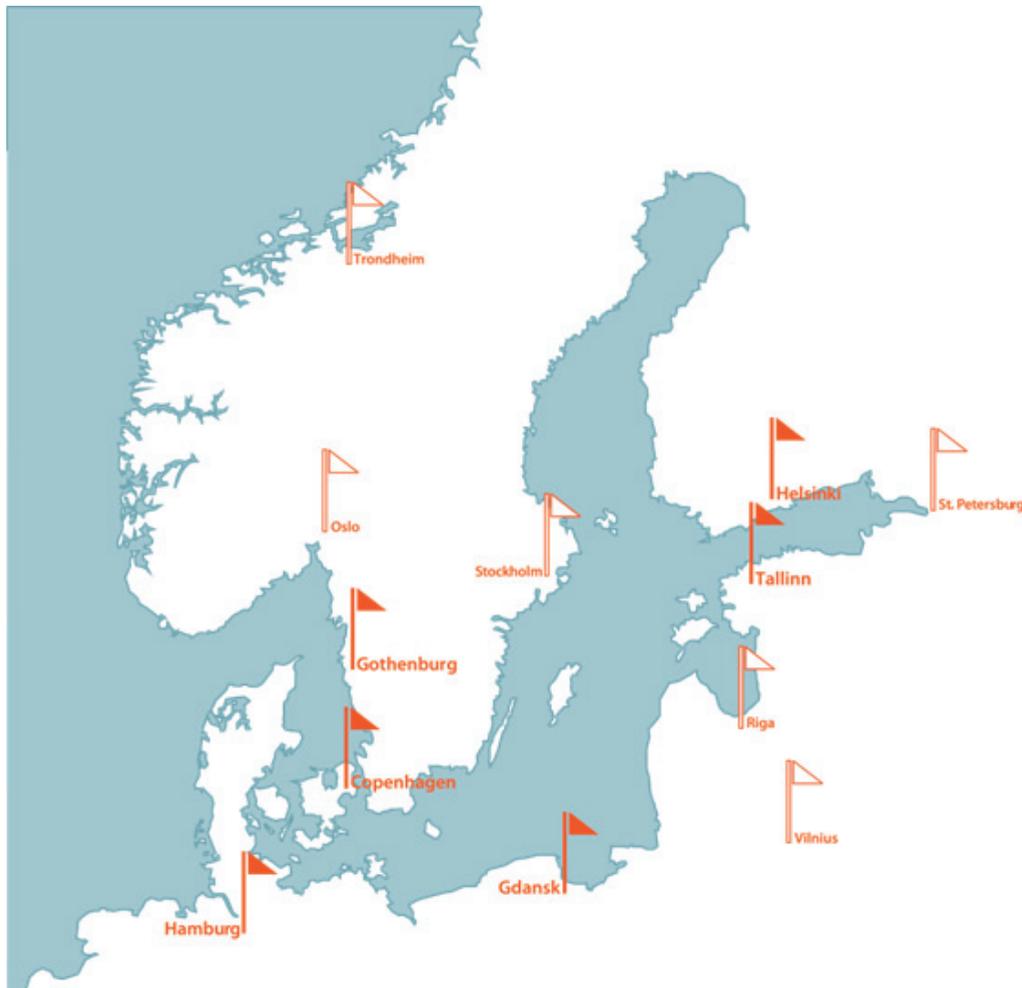


# INTERSECTIONS IN BUILT ENVIRONMENT

## Promoting Interdisciplinary Higher Education in the Baltic Sea Region



 **FACTS**

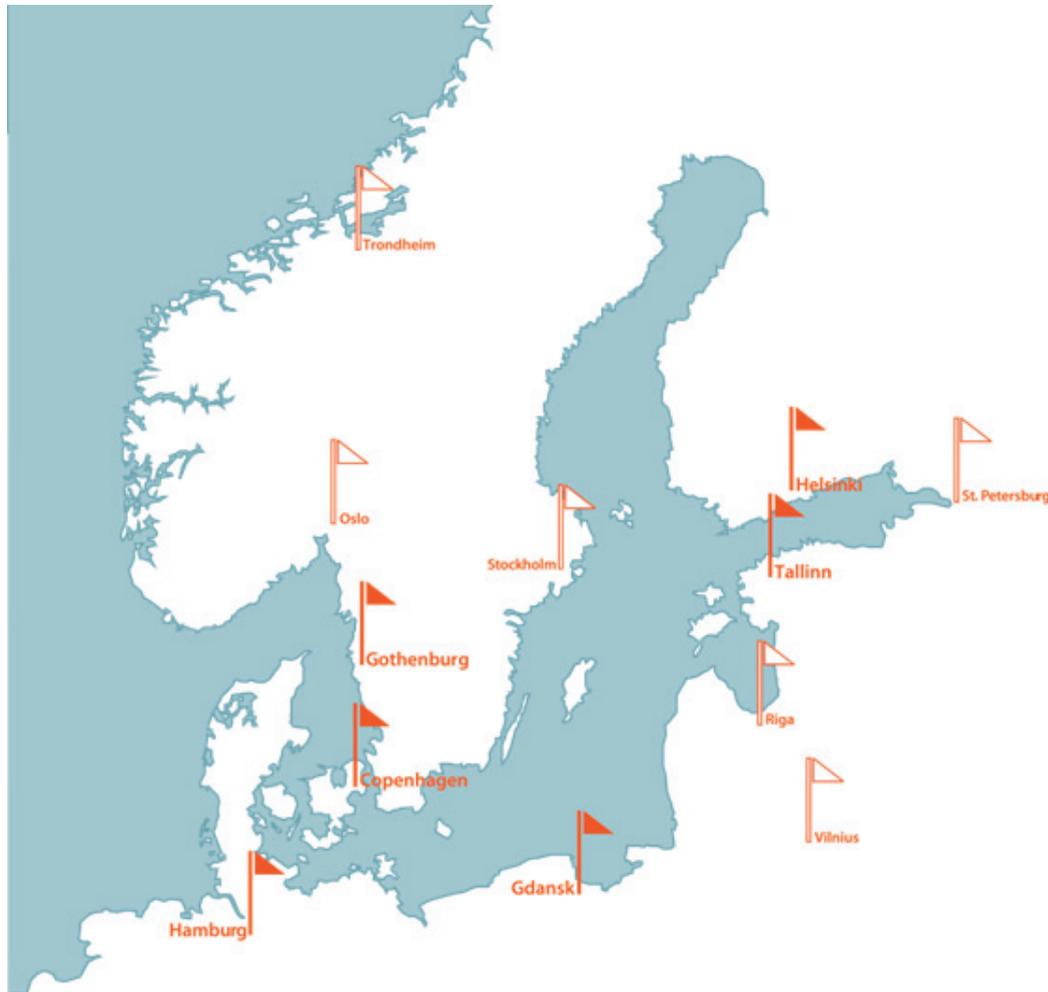
TEAM HCU Annette Bögle, Kristina Peselyte-Schneider, Sabrina Gieron, Frauke Kasting

ERASMUS+ Project within the Strategic Partnerships

Duration: 09/2015-08/2018

Budget: ca. 370T EUR

## FACTS



## PARTNERS

7 higher education institutions

HCU – Lead partner and coordinator

Gdańsk University of Technology (GUT), Poland

Tallinn University of Technology (TUT); Estonia

The Royal Danish Academy of Fine Arts (KADK), Denmark

Technical University of Denmark (DTU), Denmark

Chalmers University of Technology (Chalmers), Sweden

Aalto University (Aalto), Finland

## ▶ MOTIVATION

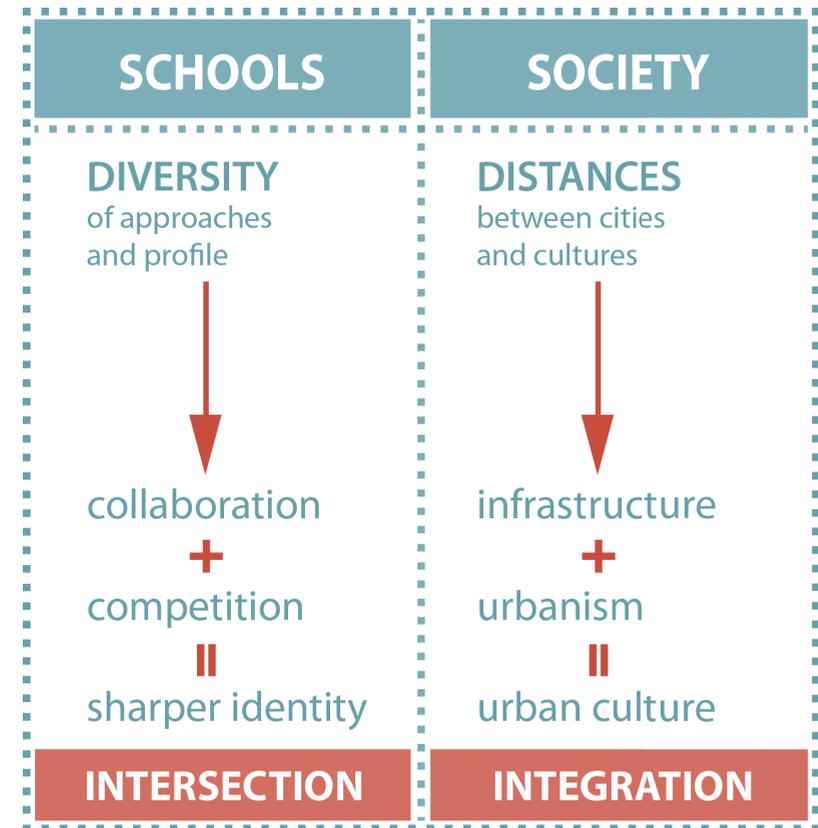
Thematic Approach:  
COMPLEXITY of current urban conditions  
of building process  
of communication  
of ...



## ▴ **MOTIVATION**

Thematic Approach:  
 COMPLEXITY requires  
 INTERDISCIPLINARY APPROACH  
 New teaching and learning METHODS

DIVERSITY of schools:  
 COLLABORATION and concurrent COMPETITION



## **MOTIVATION**

Strategic Regional Approach:  
BALTIC SEA REGION

DISTANCES between cities and cultures

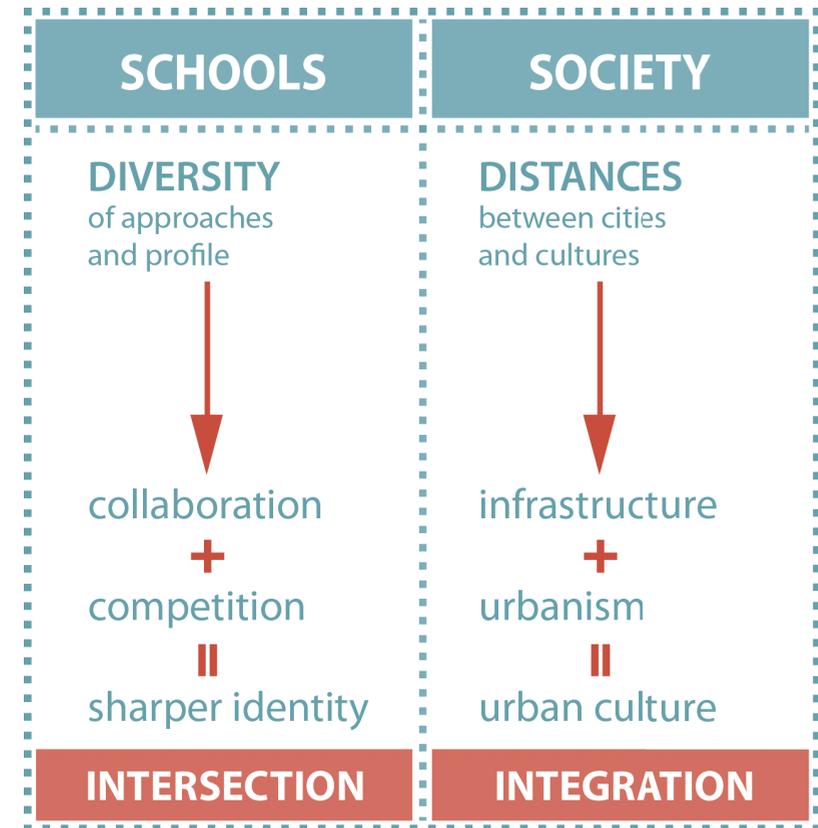
SIMILAR in their challenges, architecture and urban planning

- > transferable solutions
- > stimulus for a strong scientific networking

Cultural CLOSENESS and traditional connections

INTEGRATION of Societies

Easy reachability for initiated EXCHANGE ACTIVITIES



## AIMS

- to develop and test new teaching METHODS / FORMATS / INSTRUMENTS in the education of built environment
- to adapt current CURRICULA to contemporary and emerging labour market needs
- to equip the students with the interdisciplinary and intercultural COMPETENCES and skills needed to deal with complex problems in multicultural societies
- to promote, increase and exploit the COOPERATION between the universities on all of the Baltic Sea Region supporting its sustainable development

## INNOVATION

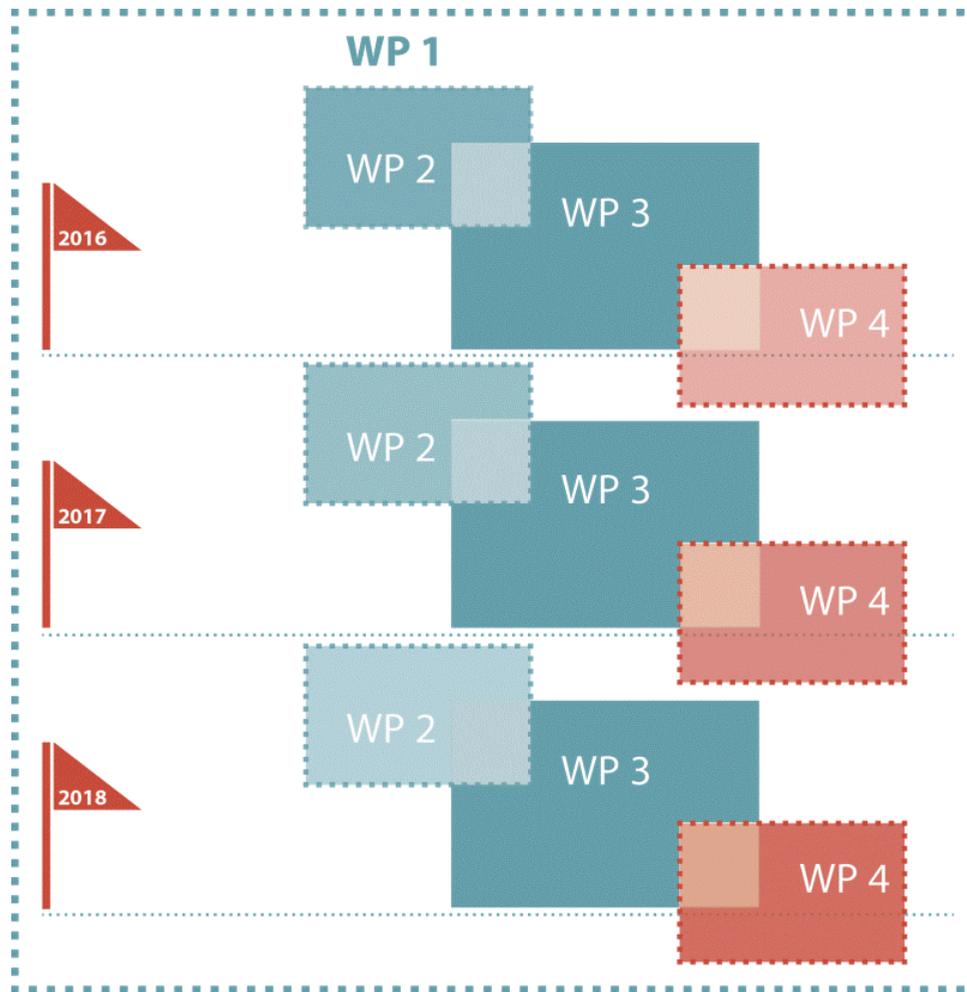
Current situation: little information and practical methodology for:

- how interdisciplinary courses should be structured and conducted
- how much disciplinary education is necessary for interdisciplinary work

Within this project:

- NEW METHODS on interdisciplinary education in the disciplines of built environment will be developed and tested
- DIALOGUE at the intersections of the disciplines will be promoted
- IMPACTS on the disciplines themselves will be illuminated

# PROJECTSTRUCTURE



WP 1 MANAGEMENT AND COMMUNICATION

WP 2 TEACHERS  
 „methods for teaching“  
 physical and digital modelling  
 drawing and film  
 rhetorics and poetics  
 digital output: methodological guidelines

WP 3 STUDENTS  
 „motivation of understanding“  
 focus 1: analysing through patterns  
 focus 2: gaining inside through „hands-on“  
 focus 3: performing through social interaction  
 digital output: learning material and module

WP 4 SOCIETY  
 „relevance for society“  
 critical and curious  
 naughty and ambitious  
 inclusive and competent responsibility  
 digital and printed output: platform and book

## **ACTIONS**

### Transnational Project Meetings

M1: Kick-Off meeting in Copenhagen (October 2015)

M2: Interim meeting in Helsinki (February 2017)

M3: Final meeting in Tallinn (August 2018)

### Workshop

Gothenburg (Spring 2016)

### Multiplier Events

Tallinn (August 2018)

### Baltic International Summer School (BISS)

Hamburg (2016, 2017, 2018)

## ▶ **WP1 MANAGEMENT AND COMMUNICATION**

COORDINATOR: HafenCity University Hamburg (HCU)

- supports operation and serves the needs of the whole project
- project finances
- Project Steering Committee (PSC)
- assurance of the quality
- ensuring sustainability

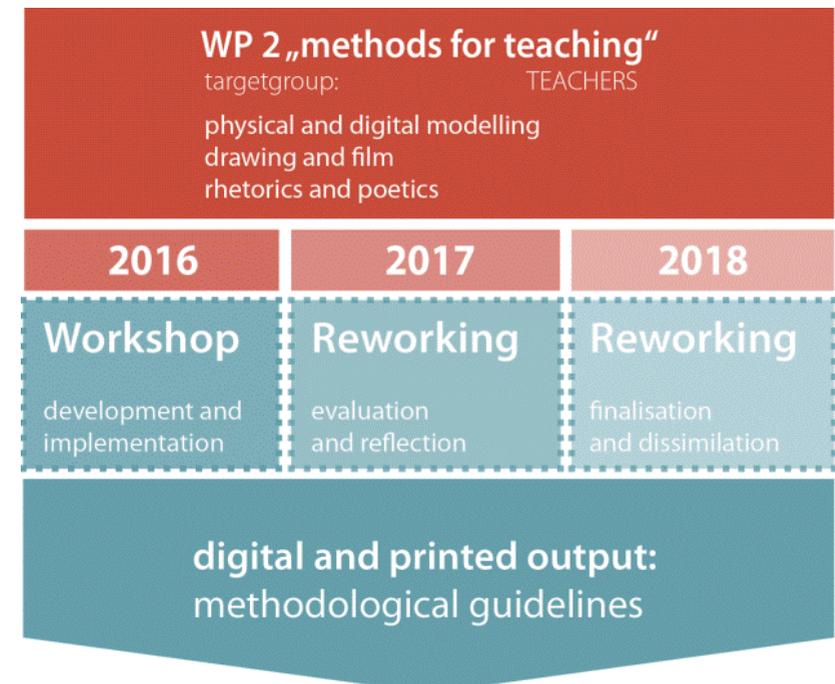
## WP2 TEACHERS: „methods for teaching“

COORDINATOR: Chalmers University of Technology

TARGET GROUP: Teachers

AIM: brings the teachers of disciplines of built environment together in order to evaluate existing and develop new methods as well as formats of interdisciplinary teaching:

- (1) physical and digital modelling
- (2) drawing and film
- (3) rhetorics and poetics



## WP2 TEACHERS: „methods for teaching“

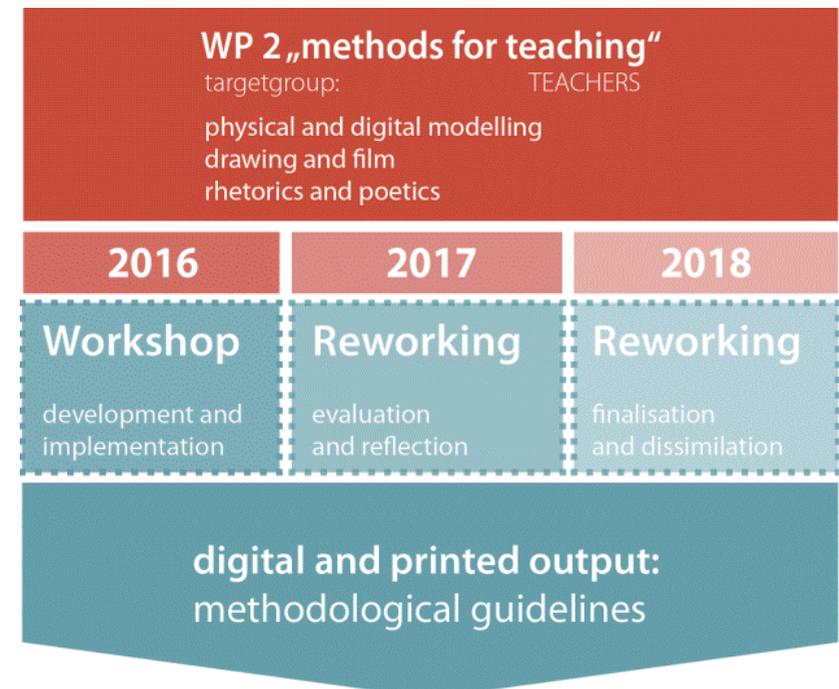
OUTCOMES and events planned:

1) LEARNING, TEACHING AND TRAINING ACTIVITY:

Workshop for teachers in the disciplines of built environment in Gothenburg

2) INTELLECTUAL OUTPUT:

Methodological guidelines for teachers on interdisciplinary teaching in the disciplines of built environment



## ▶ **WP2 TEACHERS: „methods for teaching“**

### METHODOLOGICAL GUIDELINES

- analyses the procedure of choosing and combining appropriate design and research methods
- evaluates instruments and strategies characterizing the methods in each discipline
- evaluate the existing teaching methods and formats addressing interdisciplinary and intercultural mixed students as well as the new one developed during the project
- develop a convenient tool for teachers helping them to provide students with the skills necessary for addressing the complexity of built environments.

## WP3 STUDENTS: „motivation of understanding“

COORDINATOR: HCU Hamburg

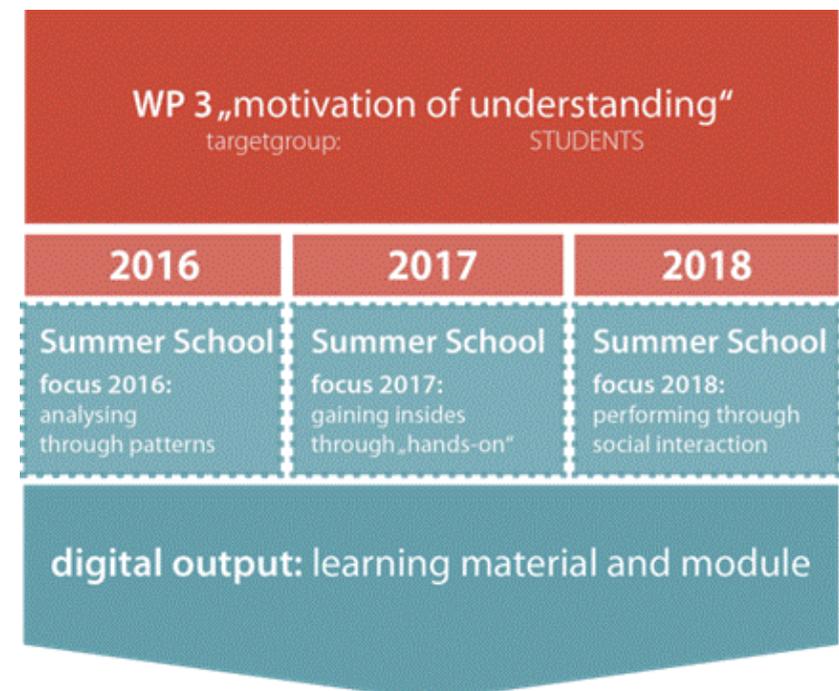
TARGET GROUP: Students

WP2 -> WP3

= paradigm shift from the methods of teaching and the requirements of the teachers towards the students and their motivation of understanding

Different aspects of designing in the context of the build environment and at the intersection of the disciplines will be applied:

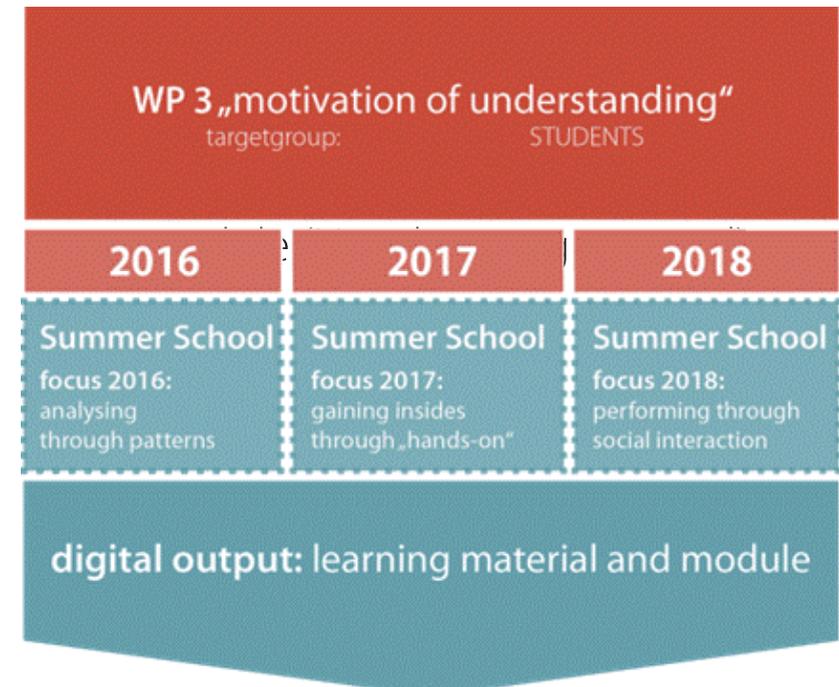
- (1) analysing through patterns (interacting between designer and ideas/concept)
- (2) gaining insides through “hands-on” (material with all its consequences and physical characteristics)
- (3) performing through social interaction



## WP3 STUDENTS: „motivation of understanding“

OUTCOMES and events planned:

- LEARNING, TEACHING AND TRAINING ACTIVITIES:  
Three summer schools BISS 2016, BISS 2017 and BISS 2018
- INTELLECTUAL OUTPUT: New teaching module  
“Intersections in Built Environment”
- INTELLECTUAL OUTPUT: Peer-to-peer movies as  
a specific element in the context of the teaching



## WP3 STUDENTS: „motivation of understanding”

NEW TEACHING MODULE “INTERSECTIONS IN BUILD ENVIRONMENT”

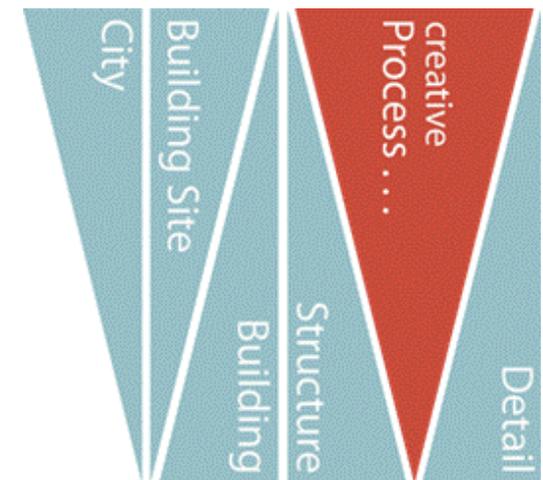
New module:

- Has a methodological approach
- focuses on the design process in all its complexity

The methodological approach contains the following elements:



The teaching module reflects the design process and consequently is divided into different design steps. These design steps are very much in accordance to a more and more closer view to the task:



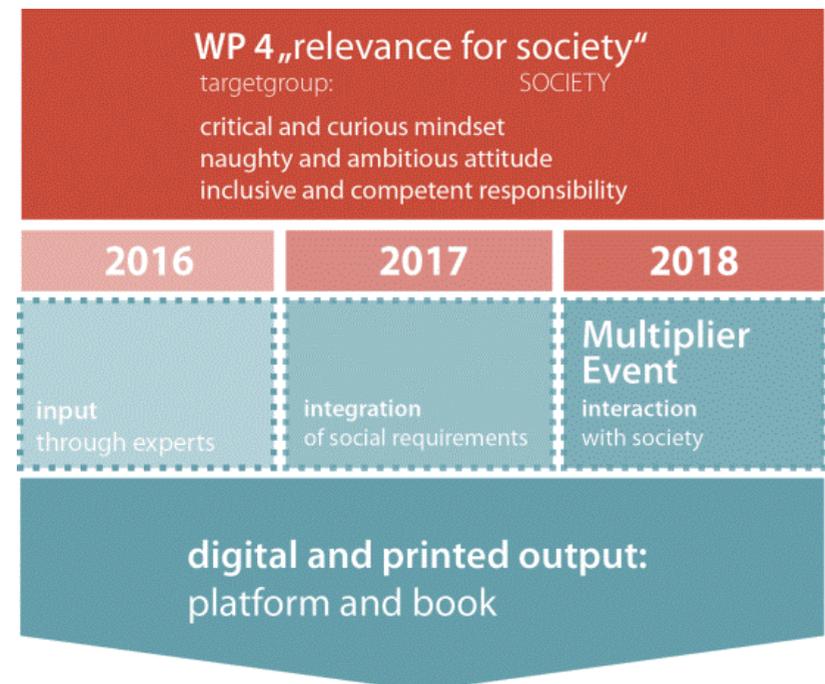
## WP4 SOCIETY: „relevance for society“

COORDINATOR: Tallinn University of Technology

TARGET GROUP: Society (Multiplier event)

AIMS to point out the relevance of this interdisciplinary project for society. To meet the requirements of society students need to have:

- (1) a critical and curious mind-set,
- (2) a naughty and ambitious attitude
- (3) an inclusive and competent responsibility.



## WP4 SOCIETY: „relevance for society“

OUTCOME:

THEMATIC CLUSTER “Intersections of Built Environment in Baltic Sea Region”

DIGITAL PLATFORM for the interdisciplinary and intercultural exchange:

- serve to all project target groups
- strengthen the active cooperation between universities and countries
- support mobility, joint teaching and research activities
- provide new research topics

MULTIPLIER EVENT

in Tallinn with workshop for relevant stakeholders, including a printed book

