

EXERCISE 01 & 02

MINISCENARIOS & OPERATIONAL FIELDS

The first exercise (week 1) serves to analyse the complex urban conditions of Berlin. The tools that to create the "Database" of the project and the online "Urban Gallery" ¹ are called Miniscenarios (MS) and Operational Fields (OF).

Definition Miniscenarios

A Miniscenarios is a schematic description of a sample of dynamic conditions taken at one point in time and in space. It uses the four basic processes (EOTM) as steps in its description. It is a small narrative taxonomy. Miniscenarios are used to analyse and capture conditions and observations of randomly chosen spaces. Miniscenarios serve as a tool to explore urban spaces in various ways; spatially, socially, culturally, politically, economically and energetically. Miniscenarios represent a specific urban analysis, which forms the basis for the future design process. Hereby, four general processes are examined:

- ERASURE (Ausradieren, Entfernen, Auslöschen) – something in the space gets erased
- ORIGINATION (Ursprung, Entstehen von etwas Neuem) – something is created in the space
- TRANSFORMATION (Wandel, Veränderung) – something in the space evolves
- MIGRATION (sich bewegende Elemente) – something in the space is relocated

Definition Operational Field

Operational fields are research topics that come out from on site observation, like policies, technologies, infrastructure, improvements, concepts, etc. This year, the Operational Field represents a Start-Up including the entrepreneurs (actors) involved, the demand it is responding to and their impact onto Berlin's urban condition.

Operational Fields relate to the following Smart City Sectors: Buildings, National Environment, Public Space, Mobility, ICT, Utility Supply, Waste Management, Primary Sector, Secondary Sector, Tertiary Sector, Economic Development, Governance and Planning, Civic Engagement, Education and Research, Health, Social Welfare, Culture (each group will be given one specific sector)

Exercise 1 > Miniscenarios

(1) Groups of students are to be formed. (2) All students need to take part in the 'Beanthrowing' exercise. (3) All beans need to be annotated. (4) Within the numbered frames (as indicated on your group sheet) every group choses 15 randomly placed beans and create **15 Miniscenarios** for each point.

¹ It is an interactive planning tool developed by CHORA which is used to create dynamic master plans in which Prototype projects play a significant role to either achieve efficient energy management, link operations of very different sectors and stakeholders or create a pattern of sustained growth or evolution.

Exercise 2 > Operational Field

The second exercise looks at the individual processes of the miniscenarios in relation to start-Up developments in Berlin within the context of sustainable lifestyles, resource consumption, GHG emission and climate change impacts. Please ask yourself the following:

Which start-ups fit to one of the processes in your miniscenarios? Who are the actors, agents and angels that are involved in this start-up? How does the start-up function? What networks is the start-up relying on? What are the impacts on public and private spaces?

We will be looking at all these start-ups not only on the microscale of the Miniscenarios but also on the bigger scale of the whole city and global trends. The task is to select **different components** of the start-up (as defined under Operational Fields) and explain them through text, data, graphs and diagrams. **The detailed descriptions of start-up conditions become the Operational Field you need to create.**

For further references, check at www.urban-gallery.net.

Fieldtrip & Studio Work

During the course of the first week, you are asked to develop your Miniscenarios on site and Operational Fields in the studio. In order to be able to upload all information necessary to the Urban Gallery website, all Miniscenarios and Operational fields should be accompanied by photographs, maps, sketches, figures (data), diagrams and information graphics.

The results of the fieldtrip need to be uploaded online. Furthermore, the sites you have chosen for your Miniscenarios need to be marked at the digital map (GPS code) - including specific position number. All information needed to succeed in all tasks will be given on **Thursday, the 17th at 10 am, BRAINBOX A816.**

Tasks of Week 1

0. Mark all bean places on digital map (online via GPS code)
1. Create Miniscenarios: **15 per group.**
2. Create Operational Fields: **3 per group.**
3. Demonstrate what role actors, agents and angels play in the Operational Field.
4. Draw up a process of energy behaviour and lifestyles in the frame of climate change
5. Visualize the process with graphs (time) and diagrams (space)
7. Upload all deliverables online

Deliverables and Presentation

1. Upload digital Miniscenarios & Operational Fields onto the Urban Gallery website until Tuesday, 22.10.13, 6 pm (following upload-schedule).
3. Presentation in a compact format (20 seconds per Miniscenario/ 1 minute per Operational Field) on **Wednesday, 23.10.13, 3 - 6 pm in room A 816.**