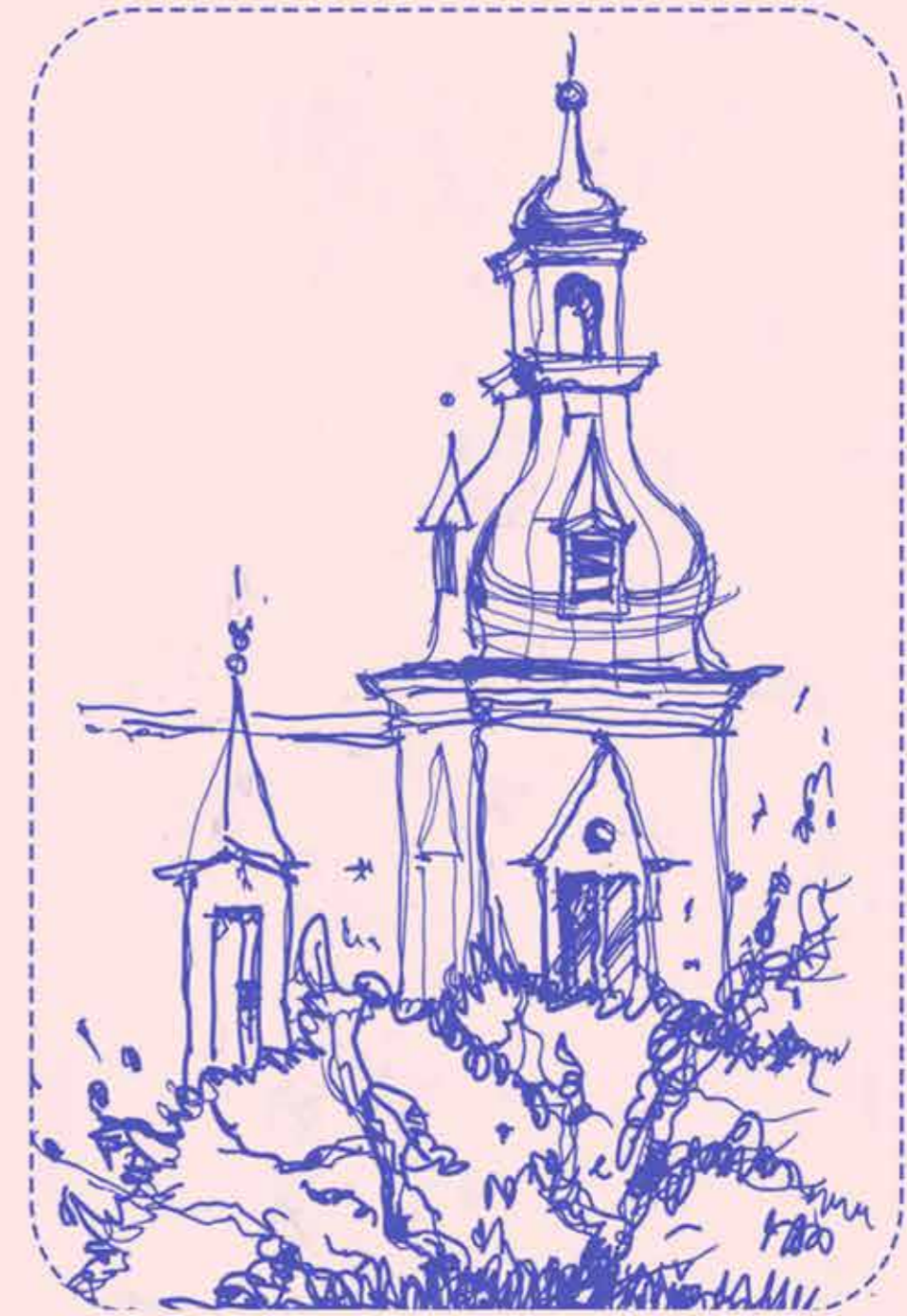
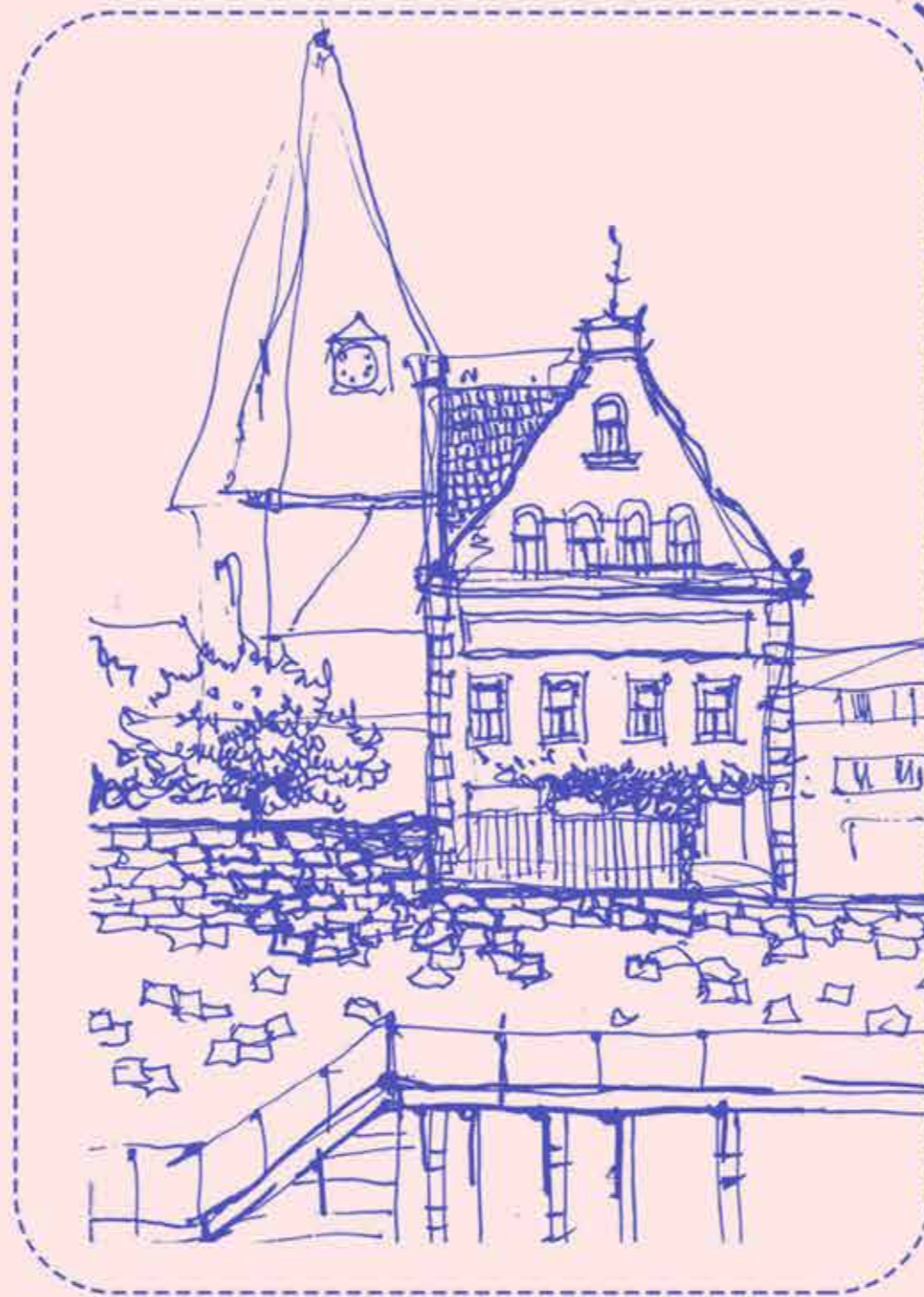


LET'S EXPLORE BERNBURG TOGETHER



LET'S START WITH SAALPLATZ

Country /City Germany, Bernburg

University / School Anhalt University of Applied Science

Academic year 2022-2023

Title of the project Exploring Bernburg together !

Authors Sofia Pustynnaia

TECHNICAL DOSSIER

Title of the project	Exploring Bernburg together !
Authors	Sofia Pustynnaia
Title of the course	Site design
Academic year	2022-2023
Teaching Staff	Prof. Dr.- Ing. Nicole Uhrig, Prof. Trevor Sears
Department / Section / Program of belonging	Master in Landscape Architecture
University / School	Anhalt University of Applied Science



The project was completed as part of the «Site Design» course.

Bernburg is a small medieval-style town in Saxony-Anhalt, Germany. The project focuses on one of the central streets and an adjacent square (Saalplatz) that, for various reasons, are not popular among the locals and are primarily used for transit.

The goal of the project was to develop some attractive, affordable and sustainable all-over square design (Saalplatz) & acupunctural urban street design (Wilhelmstraße) with a high quality of stay and unique, but place/genius loci-specific identity. The outcome of the «briefing» are to be taken into account, evaluated and classified or reinterpreted from a landscape architect's point of view.

The project aims to create an inviting and memorable environment while also sparking curiosity and promoting learning about history. This can be achieved through interactive experiences, such as a game with riddles and puzzles that reveal new knowledge. Immersive storytelling and collaborative learning can enhance engagement, while continuous exploration ensures ongoing curiosity and discovery.

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SCHOOL PRIZE



SYMBOLS

The main symbols of the place, incorporated in the image of the landscaping, are local materials and products. Slate, from which the Bernburg castle was made, became the base of the benches.

Stone and charcoal quarrying - mulching plants with small, dark stones

Beetroot and grapes have long been grown around Bernburg, so the benches are shaped like a pillar resembling the fruit of a beet.

There is also a sculptural park of poles that creates a space that people can use as they wish - the poles are movable and can be wrapped in "vines" of lights, you can make a lean-to and do sports or create a maze and run away from friends.

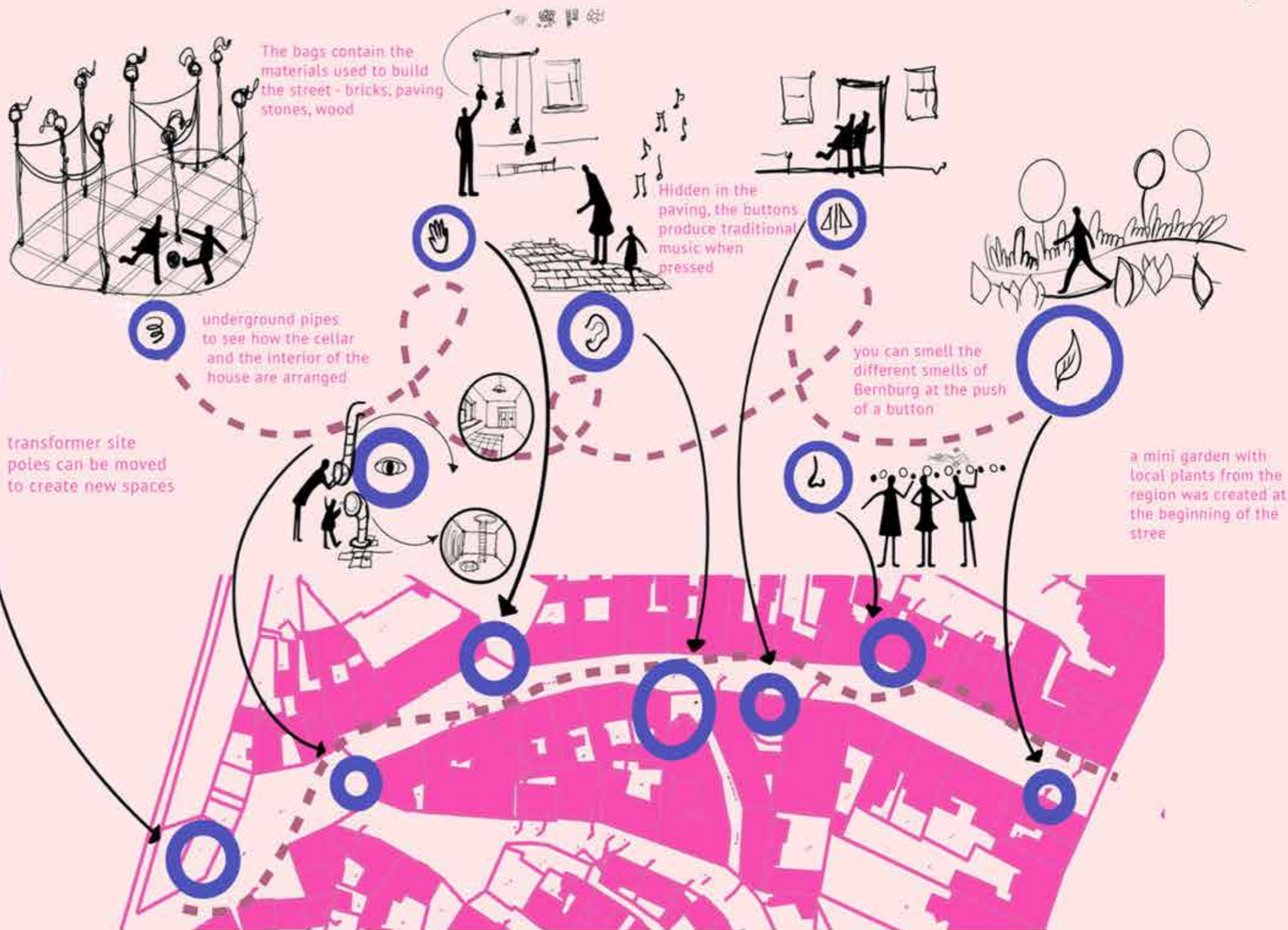
The main idea of the project, apart from creating a comfortable and memorable environment, was to get people interested in exploring the environment and learning about history. How can it be done?

It is human nature to be curious.

We are curious about everything!

What would happen if we gave people a series of riddles in a game form, the result of which would be new knowledge and experience?

That's how it should work!



FURNITURE



AXONOMERTY HOW PEOPLE CAN USE THE SPACE

The riddles are suggested to be linked to the inside of the house, so it should work:

GROUND FLOOR PLAN scale 1:500

the benches are perpendicular to the road, turning into a large amiatheatre

Bike parkings all along street

Area around sculpture became 'wonder' cluster

STEP 1
READ THE RIDDLE

Alternative Souvenirs
The idea to create something that people use every day, besides the usual accessories. A fresh and trendy design will attract more people and even those who have not thought about gift shopping, will certainly buy something!

The width of road for bus is 3.5 m

Small gardens with benches create focal points





AXONOMETRY



As Good as Home: Sustainable and Futureproof Corporate Landscapes



Country /City Bernburg, Germany

University / School Hochschule Anhalt, Bernburg

Academic year 2023

Title of the project As good as home : Sustainable and futureproof corporate landscapes

Authors Anisha Ahuja, Mohamad El Hajj, Nader Hammoude, Sofia Pustynnaia

TECHNICAL DOSSIER

Title of the project	As good as home : Sustainable and futureproof corporate landscapes
Authors	Anisha Ahuja, Mohamad El Hajj, Nader Hammoude, Sofia Pustynnaia
Title of the course	Masters in Landscape Architecture
Academic year	2023
Teaching Staff	Prof. Dr.- Ing. Nicole Uhrig, Prof. Trevor Sears
Department / Section / Program of belonging	Masters in Landscape Architecture
University / School	Hochschule Anhalt



The client, German Clean Water, is a visionary company aimed at addressing the global decline in fresh water sources. They firmly believe in taking responsibility for this pressing issue and have developed an innovative technology that can convert up to 95% of raw water sources into clean, usable water. What sets them apart is their commitment to sustainability and environmental stewardship.

The concept proposed by us for their new headquarters revolves around creating a welcoming and comfortable environment for their employees. As briefed to us, the factory would be a place where people will be working in both day and night shifts, implying that employees will spend a significant amount of time within the premises. To enhance their well-being and sense of belonging, we intended the factory to feel like a second home—a space that fosters a strong connection and provides a comforting atmosphere.

To achieve this, the design concept prioritizes comfort and functionality. Workspaces are ergonomically designed to promote productivity and employee well-being. Collaborative areas are provided to encourage interaction and teamwork. The overall design aesthetic focuses on creating a warm and inviting ambiance, with elements that evoke a sense of home.

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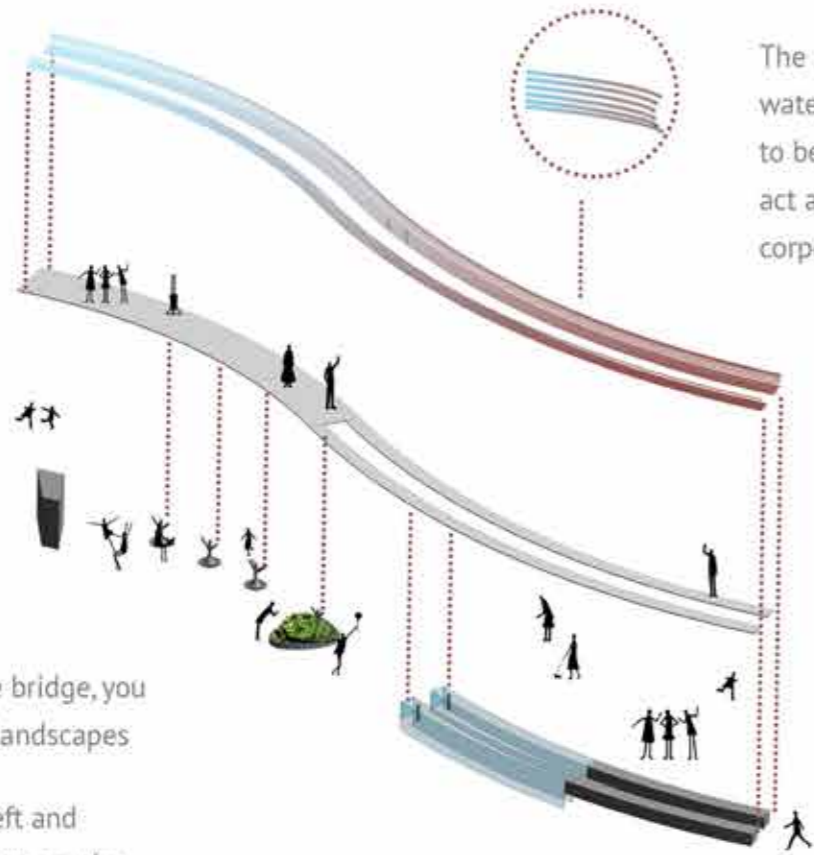
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SCHOOL PRIZE



The bridge symbolizes the main idea of connectivity.

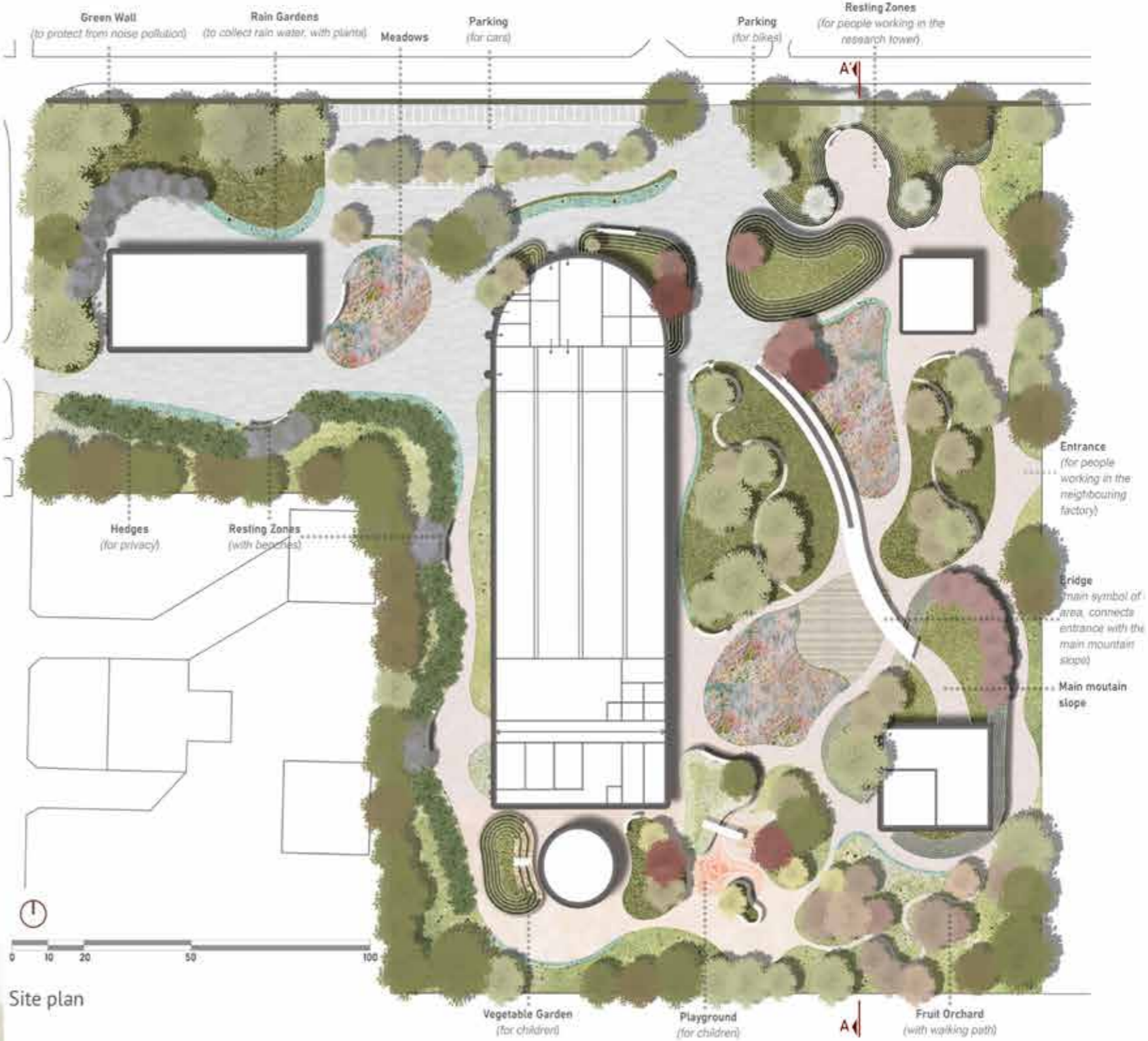
The railing will have muddy water flowing through filters to become clean which will act as an indicator for the corporate identity.

As you walk up the bridge, you can see changing landscapes

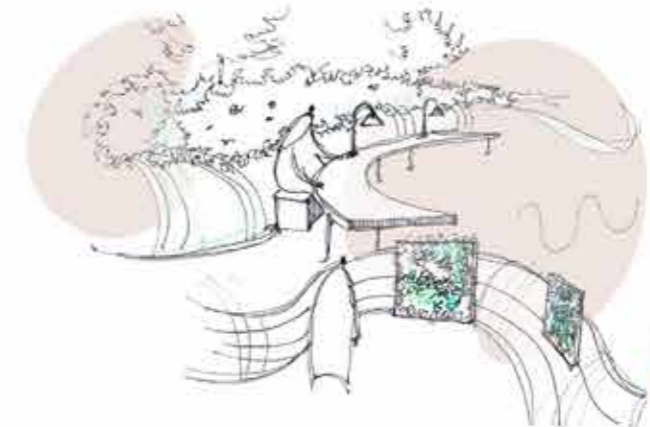
Meadows on the left and densely planted trees on the right with a more private walking path between them.



Axonometry



Site plan



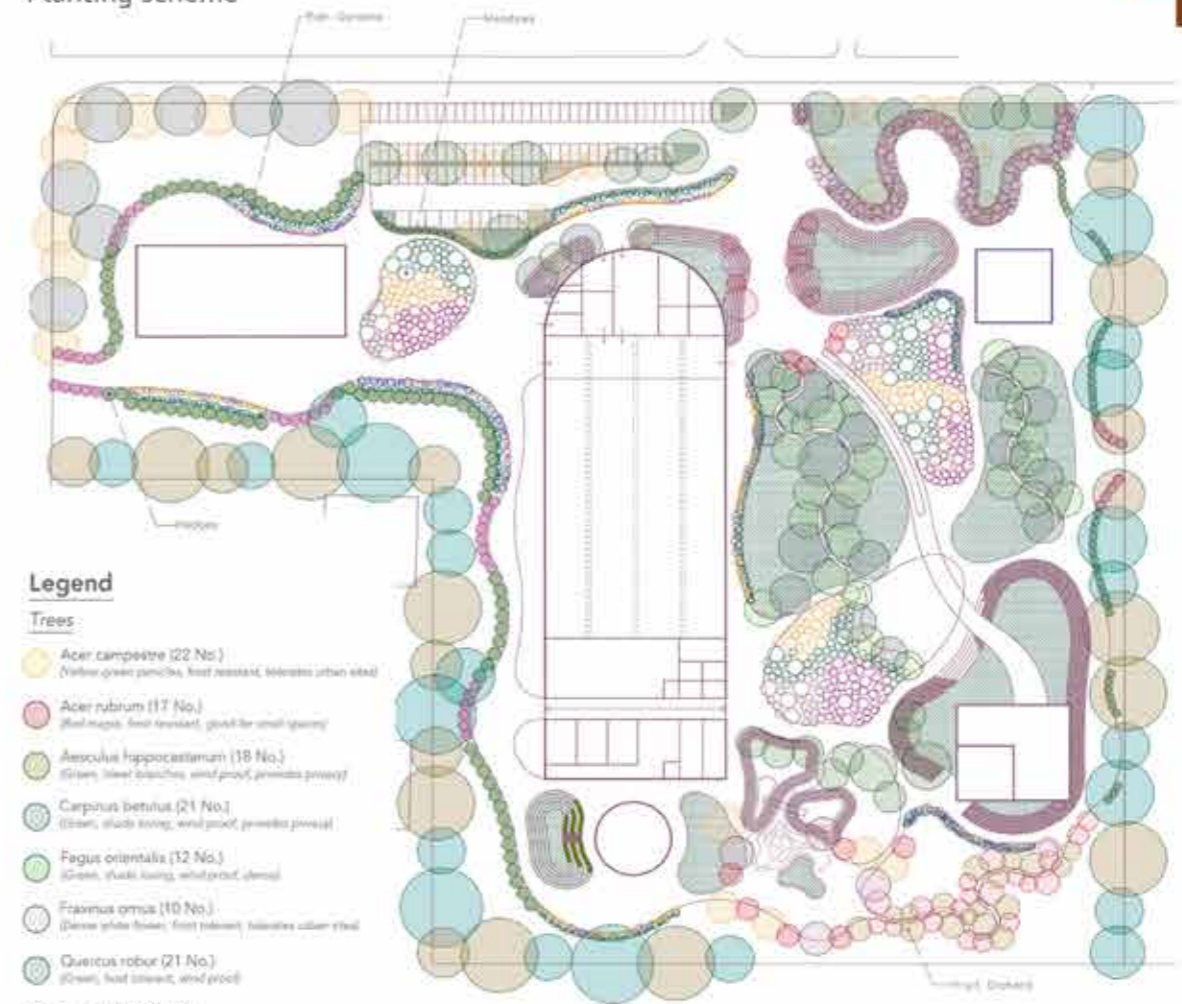
// Under the bridge, there is an amphitheater and a stage that can be used by employees for meetings and by visitors for events.



Section plan



Planting scheme



Legend

Trees

- Acer campestre (22 No.)
(Yellow-green panicle, leaf resistant, tolerates urban sites)
- Acer rubrum (17 No.)
(Red maple, leaf resistant, good for small spaces)
- Aesculus hippocastanum (18 No.)
(Green, lower branches, wind proof, prevents frost)
- Carpinus betulus (21 No.)
(Green, shade loving, wind proof, prevents frost)
- Fagus orientalis (12 No.)
(Green, shade loving, wind proof, dense)
- Fraxinus ornus (10 No.)
(Dense white flower, frost tolerant, tolerates urban sites)
- Quercus robur (21 No.)
(Green, leaf resistant, wind proof)
- Tilia cordata (27 No.)
(Green, partial shade resistant, wind proof, dense)

Shrubs

- Rosa canina
(Pink to white flower, leaf resistant, fragrant)

Perennials

- Corvularia majalis
(Green foliage with the white flowers, fragrant)

Hedges

- Crataegus monogyna
(White flower, frost tolerant, wind proof, suitable for nesting birds)
- Hydrangea macrophylla
(Rose to light blue flower, suitable for nesting)

Sustainability is a key principle in the greening strategy

In the pre-project analysis, insects were identified and special plants were selected to attract them.

The plants also reflect the idea of the project and emphasise the atmosphere of the different zones

For instance, the area around the kindergarden has been planted with more colourful plants of different textures to stimulate the children's development.





Country /City Bernburg, Germany

University / School Anhalt University of Applied Sciences

Academic year 2022

Title of the project From to Stone to Sponge

Authors Radhames Amaldo, Parham Salehi, Saeed Asgarpour, Mahmoud, McKenna Montgomery

TECHNICAL DOSSIER

Title of the project	From Stone to Sponge
Authors	Radhames Arnaldo, Parham Salehi, Saeed Asgarpour, Mahmoud, McKenna Montgomery
Title of the course	Master of Landscape Architecture
Academic year	2022
Teaching Staff	Prof. Dr. Nicole Uhrig and Prof. Trevor Sears
Department / Section / Program of belonging	FB LOEL (1) Master of Landscape Architecture
University / School	Anhalt University of Applied Sciences



Medieval City of Quedlinburg. Turning a Unesco World Heritage Hardscape into a Sponge
In this contribution the role of landscape architectural design strategies and its potential to support urban resilience and climate adaption will be discussed.

A tricky landscape+urban design Project where we tried to implement a sponge city approach to a sealed, dense and medieval urban structure to mitigate climate change towards resilience. Getting more familiar with the project the 1st conclusion was: It is impossible. We cannot turn this kind of medieval, monument protected and nearly fully sealed city scape into a sponge city. This would be like squaring a circle. Against all odds we tried to face this planning problem approaching it open minded.

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SCHOOL PRIZE

FROM STONE TO SPONGE

MASTER PLAN

The master plan shows how storm water management can be beautiful, and multi purpose. The master plan expands the existing water channel system with the introduction of rain gardens on Walkstrasse and a artistic open swale through Schmale strasse located where the historic canal once was. Streets were also selected to introduce tree grates that retain and recharge the ground water. The criteria was in addition to the sidewalk and street an additional 2.5 minimum meters. The plan suggests that parking for visitors should be left to the outskirts of the historic center and parking is left only for residents leaving more room for green open space.

UNESCO WORLD HERITAGE AND SPONGE CITY: QUEDLINBURG, GERMANY

With emissions rising and global temperature increases, Quedlinburg is now experiencing the destructive effects of climate change.

According to National Geographic, if little action is taken to manage our human impact on the climate in 2070 Saxony-Anhalt will have a climate that will feel similar to that of Tam, Bulgaria.

This means more precipitation increase in the winter and decreasing precipitation in the summer. The city has already been experiencing major flooding due to climate conditions and only 25% of the project site having unsealed surfaces.

Problems will continue if the city does not manage its storm water. TRIOC looks for a more effective way to manage storm water and help with the climate crisis through a full proof plan of implementing Sponge City solutions to create a more resilient city.

For years rain has tried to control and dominate nature. Quedlinburg is the creation with canals that run through the city that have with man made walls. Designers took inspiration from nature fighting back. TRIOC's goals are to:

1. Retain & Recharge
2. Restore
3. Clean
4. Connect

1. RETAIN & RECHARGE

A very geometrical shape as a square, inspired by the cobble stones that cover the whole city of Quedlinburg. That very simple shape was taken into consideration to include in the elements that retain and recharge the city, as are the retaining and recharging ponds and fountains. Retain water on site as much as possible to stop the flow.

- Find areas and options to both retain and recharge the ground water
- Flower boxes give citizens opportunity to store and be responsible with water

2. RESTORE

As the rock begins it's journey through the water, nature as a power starts shaping the perfect square to its will. This metaphor is used as a main idea for the morphological and experiential concept for the sponge city of Quedlinburg. Nature is always going to fight back, and its more living with it's virtues. Expand the water channel system.

- Give water way system room to expand into open green spaces and slow the flow.
- Design takes inspiration from morphology of trees, rainfall rivers and river rock to influence the layout in its site elements.

4. CLEAN

All storm water is cleaned through natural vegetation and filters before entering the water channel system by filtering through the ground. The project spreads a network of green spaces along the city that are able to slow down the roads causes of the water, and clean it.

5. CONNECT

After retaining, recharging and cleaning the water, the retaining and storage of Quedlinburg play the most important part, connecting the city with nature and the beautiful public spaces and also with their history. As the stones in the river that once stayed as individual like forms, nature with its power shaped them into smooth and flattened stone into the bottom of the canal. All green infrastructure systems are connected and interdependent through landscape (no natural) systems, landscape, education, residents in creating the responsibility of handling their storm water responsibly.



ARTISTIC RETENTION POND



WATER FEATURE PLAYGROUND



PARKING FOR VISITORS



ARTISTIC RETENTION POND



NATURE PARK



ARTISTIC RETENTION POND
2023.10.10

LEGEND

- Biodiversity Garden
- Rain Garden
- Permeable Paving
- Solar Panels
- Retention Pond
- Detention Basin
- Open Swale
- Underground trench grate
- Tree grate water Detention and Recharging

Flood Park: Playground,
Plaza, Sports Courts,
Open Green Lawn,
Nature Garden



POTENTIAL AREAS AND DESIGN

GREEN SPACES



ALLEYWAYS



WALLSTRASSE



Wall street is a narrow street with a series of buildings on both sides. The street becomes an extension of the wall and is used for parking and as a pedestrian zone. The street is paved with cobblestones and has a central green area with trees and a paved walkway.

HISTORIC CANAL - OPEN SWALE



The bottom of the canal basin is where the historic canal used to be. The canal is reconstructed with an open swale system. The canal is reconstructed with an open swale system. The canal is reconstructed with an open swale system.

INNER COURTYARDS



Inner courtyards are a central area within a building complex. They provide a private outdoor space for residents and are often used for parking and as a pedestrian zone.

OLD CANAL OVERFLOW



Old canal overflow is a central area within a building complex. It provides a private outdoor space for residents and is often used for parking and as a pedestrian zone.

KORNMARKT

The Kornmarkt plan takes inspiration from the morphology of historic streets. The architectural layout represents the river stone with a central area and a series of buildings. The plan is a central area within a building complex.



Risk and Potential Map





Therapeutic Landscapes

Country /City Bernburg, Germany

University / School Anhalt University of Applied Sciences FB 1 Master of Landscape Architecture

Academic year 2021

Title of the project Bethanien Krankenhaus : Therapeutic Landscapes and Promenades

Authors Aliya Maro, Evgenii Abramov, Fabiha Fairouz, Nikita Kamboj, Shreya Garg

TECHNICAL DOSSIER

Title of the project	Bethanien Krankenhaus : Therapeutic Landscapes and Promenades
Authors	Aliya Maro, Evgenii Abramov, Fabiha Fairouz, Nikita Kamboj, Shreya Garg
Title of the course	Master of Landscape Architecture
Academic year	2021
Teaching Staff	Prof. Dr. Nicole Uhrig, Prof. Trevor Sears
Department / Section / Program of belonging	FB 1 Agriculture, nutritional science and landscape development Master of Landscape Architecture
University / School	Anhalt University of Applied Sciences FB 1 Master of Landscape Architecture



THERAPEUTIC LANDSCAPES & PROMENADES FOR BETHANIEN HOSPITAL, HOCHWEITZSCHEN

The Psychiatry, Gerontopsychiatry and Addiction hospital in Hochweitzschen was built in 1874 as «Royal Saxon State Institute Hochweitzschen» on the eastern foothills of a wooded ridge in the valley of the small river Mulde. In 2014 after finishing renovation works of the main building the hospital was put back into operation. A redesign of the outdoor area should serve as a kind of therapy room to respond to the patients needs and reduce e.g. anxiety, depression and anger. Furthermore a memorial site for the hospital's victims of the Nazi regime was part of the design task.

PROBLEM STATEMENT

- lack of specific, use oriented open space design
- potential of therapeutic garden and landscape model not yet applied
- lack of defined quiet zones and retreats
- potential of surrounding natural area for patients and visitors not developed yet
- car parking

KEY TOPICS

- recreational trails and promenades
- therapeutic landscapes
- landscapes of remembrance

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History timeline of Hochweitzschen

1989 - Present Unified Germany

Sociotherapy including self-confidence training, Occupational therapy, and music therapy in groups introduced.

1946 - 1989 DDR

Cinema screenings begin in the ballroom. Amateur drama, dance and singing groups form. Chess, table tennis, and billiards played. The first competitions in soccer, athletics and bowling were held.

1933 - 1945 Nationaler Sozialismus

Total number of deported patients killed and deaths at Hochweitzschen: 1905 patients.

1919 - 1933 Weimar Republic

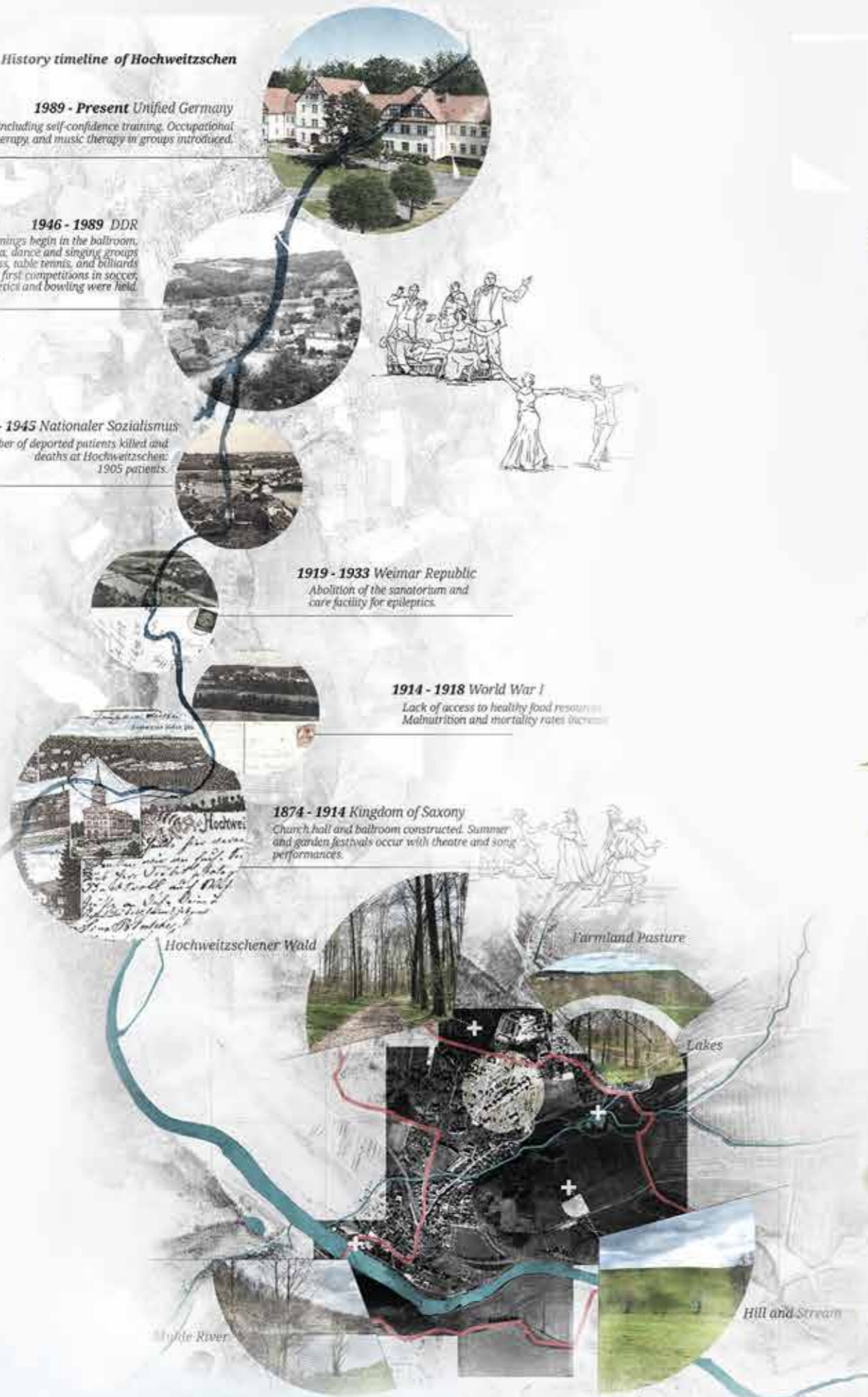
Abolition of the sanatorium and care facility for epileptics.

1914 - 1918 World War I

Lack of access to healthy food resources. Malnutrition and mortality rates increase.

1874 - 1914 Kingdom of Saxony

Church hall and ballroom constructed. Summer and garden festivals occur with theatre and song performances.



Target groups 1. Clients dealing with depression



4. Emotionally unstable clients



2. Clients fighting against addictions



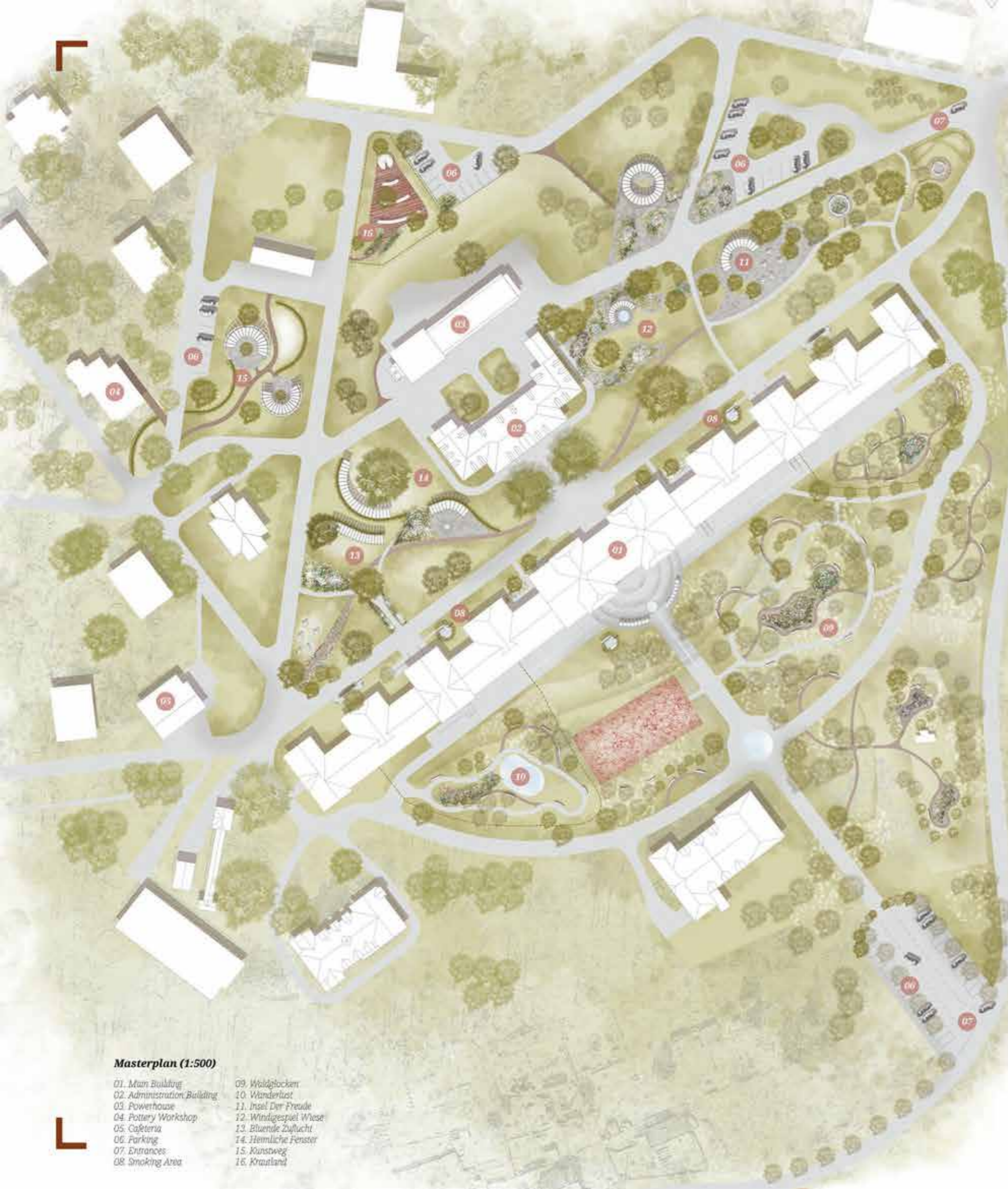
5. Workers



6. Families and friends



6. Families and friends



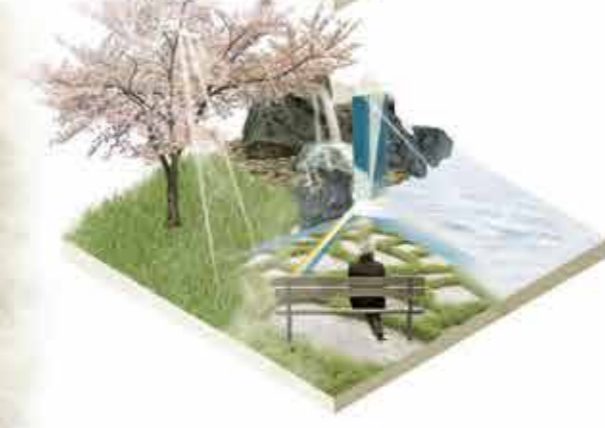
Zoning
 For every target group, it is essential to have a designated space, formed and designed in accordance with their specific needs - to provide comfort and privacy but also to support all the processes of Behavioral Hospital.



Sounds
 To overcome existing noises from the hospital on the site, artificial elements like chimneys on the trees and natural elements like water, wind to be used in design giving a pleasing and relaxing environment for the users.



Visibility
 In order to invoke a sense of self-control and independence, permeable borders in the form of bushes and trees to be used in the design instead of fencing wherever possible. Visual connectivity to be maintained so the residents feel comfortable at all times.



Memorial
 A memorial is not a place for mourning, but to think deeper and to celebrate life. To achieve that, natural phenomena are used: prisms reflect sunlight and bring the positive in the form of a rainbow, or water as a source of calm and white noise.



Navigation
 To ensure safe navigation for sensitive patients, easily accessible wayfinding signage is necessary. A simple, recognizable pathway system is to be used to allow a sense of control and invoke a sentiment of calm.

Masterplan (1:500)

- 01. Main Building
- 02. Administration Building
- 03. Powerhouse
- 04. Pottery Workshop
- 05. Cafeteria
- 06. Parking
- 07. Entrances
- 08. Smoking Area
- 09. Waldglocken
- 10. Wanderlust
- 11. Insel Der Freude
- 12. Windigespiel Wiese
- 13. Blaue Zucht
- 14. Heimliche Fenster
- 15. Kunstweg
- 16. Krautland



Enabling Therapy Garden

C. Windgespiel Wiese | Contemplation Garden
 Location: Field area towards north of the hospital.
 Contemplation gardens are proposed to give areas which have more visibility from the road and are not directly adjacent to the road and form a low wall of vegetation. The garden is designed to be surrounded with permeable, low-lying, tall grasses and tall reeds to create a calm environment for patients with a mental health diagnosis. It is also used with their therapists in quiet and the garden is a beautiful space for the staff to relax and recharge.

B. Krautland | Gardening for Physically Challenged Patients
 Location: Adjacent to existing Gardening area.
 This gardening is an important therapy area, we propose to add a raised gardening zone that will be accessible to patients with limited mobility. A high open-air canopy will provide shade and protection from the sun. The raised garden will also provide a space for patients to learn about growing and harvesting. The garden will be a great place for patients to spend their time and enjoy the fruits of their labor.

A. Kunstweg | Art therapy
 Location: Near to existing walkway in existing courtyard area.
 This area of art therapy is provided on the pattern, for a patient to enjoy in their own courtyard area. The area will be a great place for patients to spend their time and enjoy the fruits of their labor. The area will be a great place for patients to spend their time and enjoy the fruits of their labor.

D. Insel der Freude | Gathering Area
 Location: Field area west to main parking lot.
 A green and natural space, where we will create a gathering area. The area will be a great place for patients to spend their time and enjoy the fruits of their labor. The area will be a great place for patients to spend their time and enjoy the fruits of their labor.

E. Blühende Zuflucht | Blooming Refuge
 Location: West of the administration building.
 Located in the existing garden area, we have proposed the major 'Blooming Refuge' area. The existing garden area is designed to be a great place for patients to spend their time and enjoy the fruits of their labor. The area will be a great place for patients to spend their time and enjoy the fruits of their labor.

F. Waldglocken | Friends & Family Area
 Location: Back lawn towards the south of the hospital.
 The area developed in the densely vegetated zone in the back lawn. It is designed as a meeting space for family and family visiting the patients. The area is dominated with private seating nooks hidden in bunch of trees overlooking the flower meadow to provide a private yet open in nature spaces for family meetings. To ensure all the sofas from the hospital, beds are proposed on trees to create a melody of its own.

Meeting Area



Art Therapy Area



Memory Garden



Southern Stairs



Memorial



Moving Landscapes

Country /City Bernburg, Germany

University / School Anhalt University of Applied Sciences

Academic year 2021

Title of the project Moving Landscape

Authors Susan Milatz, Ali Syed and Evgenii Abramov

TECHNICAL DOSSIER

Title of the project	Moving Landscape
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Title of the course	Master of Landscape Architecture
Academic year	2021
Teaching Staff	Prof. Dr. Nicole Uhrig
Department / Section / Program of belonging	FB LOEL (1) Master of Landscape Architecture
University / School	Anhalt University of Applied Sciences



The little film show "moving landscape" was created as part of a workshop at Anhalt University of Applied Sciences in the Department of Landscape Architecture (MLA/MLU). As a creative exercise and as a stimulus to deal with the nature and perception of landscape in a somewhat more theoretical way, the students have dealt with the topic of "moving landscape" or "movement through the landscape" at the start of their master's studies. Static landscape images are familiar to us. We look at the scenery of a landscape painting, we sit on a bench and observe a distant forest edge, we lie on the beach, squint into the evening sun and direct our gaze towards the horizon. But how often is landscape perceived dynamically in our everyday lives? Actively, by crossing it and moving through it. Passively, by being an eye or ear witness to dynamic processes of light, air, water, day or seasons in the landscape. The task of the workshop participants was to explore and capture this very experience of active or passive dynamic landscapes in a 2-minute short film in the form of an individual interpretation.

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