



HTWG Konstanz  
July 13–18, 2014

Architecture and Urban Design@rhinekilometer.zero  
Arnhem–Strasbourg–Konstanz

# International Summer School on Rhine Rivers

## Between Lake & River



## SCHOOLS



ArtEZ hogeschool voor de kunsten



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## Introduction



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## About

# Introduction

## PREFACE

From July 13th until July 18th 2014 the »International Summer School on Rhine Rivers« of the University of Applied Sciences Konstanz (HTWG), Faculty of Architecture and Design, took place in cooperation with the building department of the City of Konstanz. Round 30 students of the HTWG and three partner universities in France and the Netherlands worked together on new visions and designs for the urban redevelopment of the Konstanz sports and recreation area »Horn«. The landscape area should be upgraded, while existing and intended uses like sporting venues, housing and tourist attraction will be integrated into a conclusive overall concept. It was great pleasure to host such a creative, communicative and powerful team!

Cordial thanks to all participants, teachers, guests, the City of Konstanz, our university administration and last but not least to our generous supporters!

Leonhard Schenk  
Andreas Schwarting

## TOPIC

Konstanz is situated on Lake Constance (the Bodensee in German). The Rhine river, which starts in the Swiss Alps, passes through Lake Constance and leaves it, considerably larger, by flowing under a bridge connecting the two parts of the city. North of the river lies the larger part of the city with residential areas, industrial estates, and the University of Konstanz; while south of the river is the old historical town, which houses the administrative centre and shopping facilities in addition to the HTWG Konstanz, University of Applied Sciences. Car ferries provide access across Lake Constance to Meersburg, and the Catamaran provides a shuttle service for pedestrians to Friedrichshafen. At the old town's southern border lies the Swiss town of Kreuzlingen. [Source: wikipedia.org, 2014-07-06] Read more: <http://en.wikipedia.org/wiki/Konstanz>

The »Horn District« is located in the north-eastern part of the city at the »Konstanz Bay«. The site is a huge, popular and important Konstanz area with touristic highlights, which is actually used for leisure, sports, public bathing, sports stadium, restaurants etc. The task is to formulate a new »Masterplan Horn« which strengthens the unique identity and integrates additional facilities like housing and many more in a landscape garden/park.

## TASK - GOALS & WISHES

- Topic is the further development of the leisure, sport and recreation area »Horn«.
- The identity of the total area has to be strengthened significantly.
- Additional tourist activities should increase the all-the-year-use of the area.
- The Bodensee Stadium has to be changed into a multifunctional »Sports Park« (»Bodensee stadion new uses«, see attachments). How could the stadium be opened to the lake? - to be a visible part of the »leisure and recreation center horn«.
- The previous use as event place (concert: »Rock am See« and others) is to be maintained.



# Topics

## VILLA V. SCHOLZ (VILLA SEEHEIM)

- New definition of the villa's landscape garden after the reorganization of the tennis courts - improving the villa's driveway.

## WALDHAUS JAKOB

- Conceptual design to arrange a complementary building with at least 30 additional double rooms to the existing hotel restaurant »Waldhaus Jakob«.
- All car pitches (including existing) should be placed in a new underground parking garage.
- The sensitive and prominent location requires innovative solutions to integrate the hotel and garage in the concept of a landscape garden/park.
- What is the acceptable degree of building compaction in the sensitive landscape area? If necessary, alternative designs could be developed.

## ESELWSIESE

- Design and upgrading of »Eselswiese« as a central public green area / integration of parking facilities inside the area / Proposals to shift the Therme (Spa) car parking into the landscape garden.

## BODENSEESTADION

Adaptation of the Bodensee stadium to future requirements (Analysis, please see Appendix).

## LANDSCAPE SPACE/LANDSCAPE PARK/LANDSCAPE GARDEN

- In the regional landscape plan the site is part of a green link from »Bodanrück« to »Lake Constance«, also part of a biotope network.
- The landscape is the connecting element of the individual uses in the Horn area.
- New facilities and uses have to consider the sensitive landscape character and the existing scale of the area.
- The diversity of existing green spaces and the landscape character of the area are to be obtained.
- Private plots have to be carefully integrated into the public (green) space.
- The area should be designed as an unique landscape with integration of the individual uses.
- The function of »Eselswiese« as central point in the network of open space is to be maintained and to be improved.
- The extensive agricultural »Christiani Meadow« is to be changed into a green, low rise residential area.
- The buildings should be integrated into the free space harmoniously. The »Christiani Meadow« is part of a green corridor from »Loretto-Forest« towards the lake, along this green corridor is an additional pedestrians connection to be planned.
- The open car parking on the »Eselswiese« (Therme, Spa) and other public car parking should be/could be bundled in a (new) garage building.

## MINIATURE GOLF

- The existing mini-golf course should stay on site.
- The current location does not have to be maintained.



### »HELLE-MÜLLER« TENNIS-FACILITY

- The »TC Constance« (Tennis Club) will move from its previous location to the »Helle-Müller« tennis-facility. At least 10 open and 3 covered tennis courts will be needed. They are to be integrated into the landscape space (integration of the covered courts at the hill side). If necessary, alternative designs should be developed.
- The open space should be designed as a landscape park/garden-like green spaces.
- The public pedestrian connection between the Therme (Spa) and the tennis courts is part of the design; it will be expanded and should be upgraded in design and quality.
- The sensitive and prominent location requires innovative solutions to integrate the tennis courts and indoor tennis center in the concept of a landscape park.
- It should be proved, if two open and one indoor tennis courts more could be integrated into the concept.

### CHRISTIANI MEADOW

- Conceptual design of a residential development at the »Christiani Meadow« in conjunction with a landscape spatial design of the total area under a particular focus on the integration into the landscape space.
- Revaluation of the total area into a landscape garden/park, development of a green space including an additional pedestrian connection from »Loretto-Forest« to »Lake Constance«. What is the acceptable degree of building density/compaction in the sensitive landscape space? For orientation, a possible density could be GRZ 0.2 (buildings at max. 20% of the area) and 0.4 GFZ with max. 2(-2,5) storeys.

### BOULE-CLUB

It is to be considered whether the Boule-Club, which has to leave its location in Petershausen-West, could be integrated in the »Horn District«. For this purpose, a total area of approximately 1,500 m<sup>2</sup> with 18 tracks (4x15 m) and a clubhouse would be necessary. Additional areas, which will be temporarily used for boule competitions, requires 3.500 m<sup>2</sup> in total.

### TRAFFIC

- The car access is possible exclusively via the Eichhornstraße.
- Private or service roads (bus) may not be used as official driveways.
- Individual motorized traffic should not be the main solution. Existing access to bus and Lake Constance Bike Way should be strengthened. Optionally, the establishment of a water taxi to downtown should be proved.
- The main focus should be on the design of the public spaces, pedestrian and bike connections and the entrances of the area.
- The pedestrian connection along the tennis courts as a link between »Loretto-Forest« and lake is to be expanded and should be more attractive.
- A new pedestrian way from Loretto-Forest to the lake should cross the »Christiani Meadow«.



# Schedule

## SUNDAY 13.07.14

15:00	Accommodation	Check-in
18.00	Harbour, Biergarten	Come Together

## MONDAY 14.07.14

8:45	Design Studio, HTWG	Check-in
8:45	City Hall	Welcome & Introduction by the City of Konstanz: Mayor Karl Langensteiner Jan Bode (Urban Planning Department)
11:30 13:00	»Horn District«	Site visit with Jan Bode
13:30	University of Konstanz	Pick-up bikes
13:30 16:30	»Horn District«	Site research & swimming in the »Bodensee« (Lake)
17:00 19:30	Design Studio, HTWG	Briefing, introduction, brainstorming, first ideas



## TUESDAY 15.07.2014

09:00	Design Studio, HTWG	Working in the studio
12:00		
12:30	Muenster,	»A view from the top«
14:00	Church Tower	& lunch break
14:30	Design Studio, HTWG	»Expert Consultation«
20:00		Kurt Werner, Architect Urban Planner BDA DASL, former Mayor of Konstanz
		Working in the studio & Working at site

## WEDNESDAY 16.07.2014

08:45	Catamaran Stop	Excursion by catamaran to Friedrichshafen
09:00	Friedrichshafen	Visit of »Zeppelin Museum«
14:00		
14:30	Design Studio, HTWG	Working in the studio
20:00		

## THURSDAY 17.07.14

09:00	Design Studio, HTWG	Working in the studio
16:30		
17:30	Ground Floor, HTWG	Public Presentation/ Exhibition of the results
21:00		closing ceremony

## FRIDAY 18.07.14

9:00	Accommodation	Check-out accommodation
10:00	University	Return bikes
11:00	of Konstanz	
10:00	Ground Floor, HTWG	Debriefing & Clean up
14:00		
14:30	Design Studio, HTWG	Check-out Summer School

# Teams and Projects



**TEAM 1**  
Between Forest and Lake



**TEAM 3**  
Tennis



**TEAM 5**  
The space inbetween



**TEAM 2**  
On the rocks



**TEAM 4**  
Beach area



**TEAM 6**  
Stadium



**TEAM 7**  
Mobility





# 1

## TEAM

MARINA FEDOROVSKY  
NADJA BÜRGMANN  
ELISABETA TOADER  
KOEN GERAEDTS



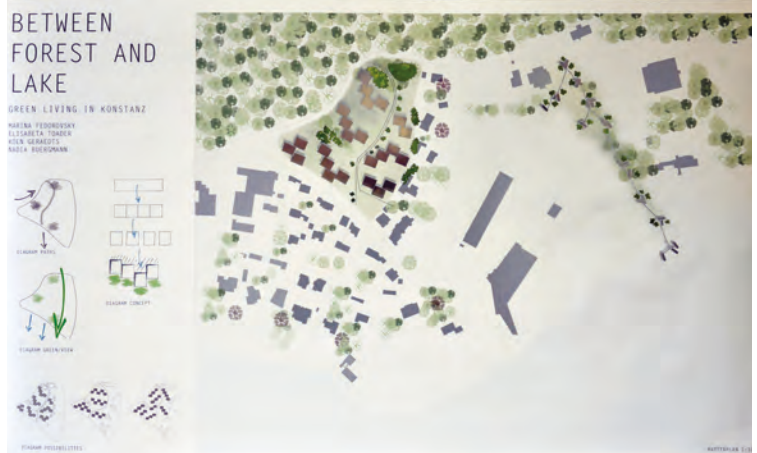
Although the »Hörnle« is a well-off neighbourhood, we examined possibilities for housing on a more basic standard. The use of affordable materials and construction methods, sustainable energy and the mix of linking possibilities with low-price and high-price flats will create a new urban identity.

Some houses will stand on piles, high enough to walk under them and the density will decrease towards the water. The wooden structures and facades will both be simple and connected to the landscape. Our Goals are to have a view to the lake from almost every flat, a green connection between the forest and the lakeside and differentiated private and public spaces.

Exclusive penthouses on the top and affordable accommodation for families, singles and couples at the first and second floor will offer a new type of accommodation on different prices as well as on a high quality level.

## PROJECT

Between forest and lake





# 2

## TEAM

MARCEL PLOMP  
EVA SCHÄDELE  
NATHALIE WONG  
JOSÉPHINE LI



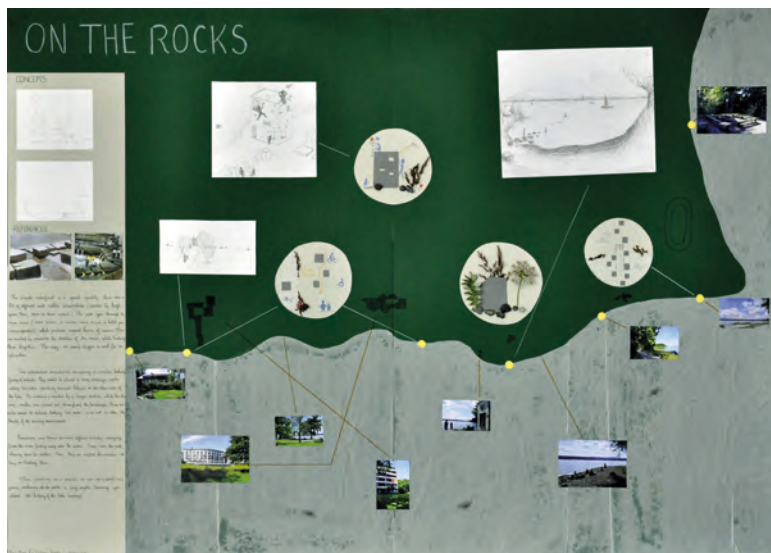
The »Hörnle« waterfront has a great quality with its different and subtle atmospheres. A path goes through diverse areas, which evoke different kinds of use.

In order to preserve the identities of the areas, while linking them together, our intervention is a family of modules for different purposes. At the entrances there are large modules, throughout the landscape and the path smaller modules will be arranged.

Different modules are developed for pedestrians and cyclists, with a natural look, like rocks. On the path they will slow down the visitors, who can climb or sit on them. Engravings on the top unfold the history of the lake and can be reached by climbing or stepping on them.

## PROJECT

### On the rocks







# 3

## TEAM

MOHAMMED MEMEH  
KATHARINA KERSCHER  
HAKAN OZDEMIR  
NIELS LEIJETE



The task is to move the courts of »Tennis Club Konstanz« to the existing tennis-facility and to integrate the facility into the landscape. For that reason, the new ten open and three indoor courts will be organized south, in terraces, slightly below the road. The hall will be built half inside the hill and provides additional rooms for the tennis club as well as a small restaurant, which is oriented towards the lake.

Through the inclusion in the landscape, seating steps and access to the tennis courts revive and offer the option of either to enjoy the view to the lake or to pursue a tennis match. A new created space at the eastern end of the tennis facility offers the opportunity for a pedestrian walkway to reach the previously hidden »Villa Scholz« as well as the main entrance to the tennis courts.

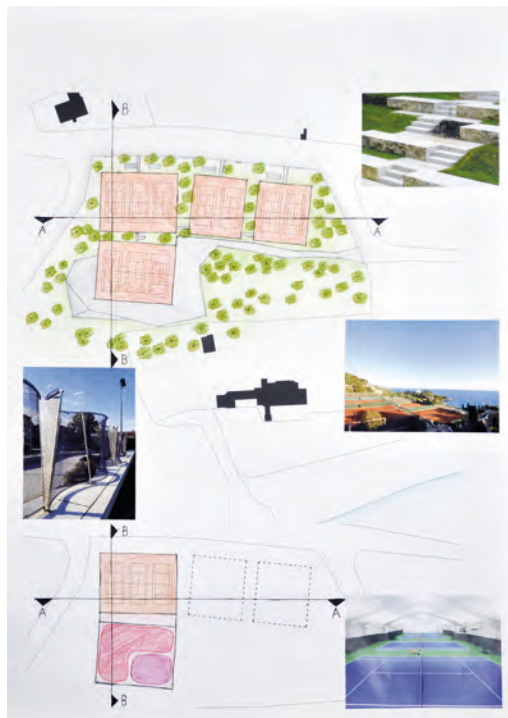
# BETWEEN LAKE AND RIVER



## 03 TENNIS

PROJEKTOWANIE: architekci  
realizacja: architektura  
urbanistyczna, 2015

Projekt teniskowy, który  
zostanie zrealizowany w  
miejscu, gdzie znajduje  
się teren zielony, który  
zostanie przekształcony  
w teren sportowy. Projekt  
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w teren sportowy.



PROJECT  
Tennis



# 4

## TEAM

ALEXIS BEYER  
JOHANNA WUCHNER  
MARLEEN GARSTENVELD



At present the beach area is provided to the public. Everybody is invited to enjoy the place and could have a good time with friends or family. Although this situation is working quite well, there are some aspects which could be improved. Our general approach is to unify the site and to set a global identity to all the different areas. We also propose a more precise zoning of the beach area: children, sport and more quiet places but without enclosure.

The parking area should be moved to enable the connection between stadium and beach. Thus would create a unique place wide opened to the lake and with a big entrance to the different facilities and clearly defined borders. The infrastructure (e.g. locker rooms) should be moved and half-buried into the slope to integrate them into the landscape. A lookout at the front of the beach provides a splendid view of all the different activities on site. Some symbolic points should remind the site's history (e.g. the historical veteran's beach).

**PROJECT**  
Beach area





# 5

## TEAM

DEBBIE VAN DIJK  
NOÉMIE PLAISANT  
NIELS MATITAWAER  
HAYDAR DALCI



»Hörnle Konstanz« is a place to reflect your life, to do sport and meet people. It's a place where people of different countries – e.g. Germany, Switzerland and Austria – can come together. Because of all the different identities there is no uniformity in this area. We call this »the space in between«.

The space in between should be divided into two different landscape types, which should stop the inconsiderate occupation from the city. On the one hand there is space close to nature, where people may come to escape the city. On the other hand there is a park as urban space with shops and bus station.

In order to differentiate these areas, we use the lighting design. Different forms and sizes of lights will indicate the use of the space around it.

## PROJECT

### The space inbetween





# 6

## TEAM

SALIMA SIALA  
FREDERIC DEGRESSIN  
LEON HOLLENDER  
FENNA VAN TUIJN



The »Bodenseestadion«, built in the 1930s, is situated at the »Hörnle«. The stadium isn't in use anymore, so it could be changed in function and appearance as well.

Added things like a café and plastic seats will be removed, so only the concrete tribune remains. The stadium will be opened in the south to offer a beautiful view over the lake. A new bridge will traverse the stadium to create a new connection between the stadium and its surrounding and to have a new and exiting overlook. A variety of materials on the ground will define different places for activities.

The stadium can still be used for big concerts. In addition it can also be used for sport activities or (if no event takes place) as a retreat to back down for a while and enjoy the calmness.









# 7

## TEAM

LISA WAGEMANS  
PHILIP ZIEGLER  
JULIKA LUCE  
MATTHIEU BOLZER



LOUIS MENIA  
BAS ROLLERMAN  
CLAUDIA BLASCHEY

To improve the traffic situation in the city, we would like to design »Interchange Points«, where people can switch from car to bicycles, water-taxi, buses and trains. The two most important interchange points are located outside of the cuts, one on the Swiss border and the second underneath the Schänzlebrücke in the inner city.

For the »Hörnle« we have a vision of a car-free-zone with a new bicycle-highway located inside the area. The bike parking, located south of the stadium, is also the place where the bus stops and turns. So we introduce a new interchange point adapting the new general mobility system. E-bike loading stations and taxi services for physical disabled persons should increase the quality of this alternative transportation possibilities.

The existing pedestrian way on the coastline has to be expanded for an additional bicycle lane with slowing down in front of the recreation centre and the residential area.

## MOBILITY

Adam Lutz - Gertjan Baudier - Philip Ziegler - Louis Moss - Ben Hollmann - Matthias Bogen - Lisa Weissmann



**Summary**

The project aims to improve the mobility of the city by creating a new network of routes. The routes are designed to be accessible to all, including people with disabilities. The routes are designed to be safe and secure, and to provide a high level of service. The routes are designed to be integrated with the existing public transport system, and to provide a seamless transition between different modes of transport. The routes are designed to be flexible and adaptable, and to be able to respond to changing needs and circumstances. The routes are designed to be sustainable and environmentally friendly, and to provide a high level of service to the community.



## MOBILITY

Adam Lutz - Gertjan Baudier - Philip Ziegler - Louis Moss - Ben Hollmann - Matthias Bogen - Lisa Weissmann



- LAKE
- RIVERS
- ROAD NETWORK
- RAIL
- PUBLIC TRANSPORT
- BICYCLE ROUTE



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## PROJECT

### Mobility

# Impressions

14.07.2014



15.07.2014









16.07.2014







17.07.2014











18.07.2014





# ABOUT

## PRESS RELEASES



**Hochschule**  
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**Weitere Informationen**  
Beratung, Informationen und  
Beratungsgespräche finden Sie über  
die Seite HTWG2

**HTWG-Imagefilm**  


**Campusplan**  


22.07.14  
**Alle haben von einander profitiert**  
Drei Städte am Rhein, drei Studierende aus drei Ländern, ein Projekt. In einem Workshop an der HTWG Konstanz entwickelten Architekturstudenten aus Holland, Frankreich und Deutschland Ideen für das Stadtgebiet Horn. Dabei standen sie in engem Kontakt mit dem Bauamt der Stadt Konstanz.

Mit der Sommer-Schule sollten die internationalen Studierende über technischen und kulturellen Austausch zusammenkommen, um gemeinsam ein Thema zu erörtern und zu erörtern, sagt Professor Lambert Schenk, der gemeinsam mit seinem Kollegen Professor Dr. Andreas Schwanitz die Federführung der Veranstaltung hatte, die jedes Jahr in einem anderen Land durchgeführt wird.

So kamen Studierende und Lehrende der Ecole Nationale Supérieure d'Architecture de Strasbourg, des Institut National des Sciences Appliquées de Strasbourg (INSA Strasbourg), der Hogeschool van Amsterdam (HvA) und der HTWG für eine Woche in Konstanz zusammen und konnten gemeinsam nach möglichen Lösungen für einen der städtebaulichen Missverständnisse Stadtgebiet. Denn das Horn, ein Konglomerat aus Wohngebiet, Bäumen, Sportanlagen, bietet in seiner Vielfalt besondere Herausforderungen. „Da ist architektonisch alles dabei: Wohnen und Arbeiten, Dienstleistungen, Freizeitanlagen, Sportanlagen, Industrie, was kann Studenten, Studenten die Wasserstraße und die Uferstraße“, so Professor Schenk.



An einem Modell zeigten die Studierenden ihre Vorschläge zur Gestaltung des Konstanzer Stadtgebietes Horn

Der Vorschlag, Lösungsmöglichkeiten für das Horn zu suchen, kam vom holländischen Hochschullehrer Dr. Lambert Schenk. Bereits im Vorfeld der Sommer-Schule haben die Verantwortlichen bei den Vereinen des Raumes Informationen eingeholt, um die aktuell existierenden Schwierigkeiten kennen zu lernen. Daraus kristallisierten sich mehrere studentische Teams, die sich verschiedenen Aufgaben

www.htwg-konstanz.de, 22.07.2014

# KONSTANZ

www.suedkurier.de/konstanz

## Neue Ideen für das Horn

- Stadt unterstützt die Entwicklung des Areals und will Wettbewerber auslösen
- Große Konzeptwettbewerbe für Wohnentwickler und dessen weitere gestalterische Nutzung
- Studenten entwickeln in Projekt eigener Vorschläge und helfen Bauamt bei der Umsetzung

**Vorschläge der Studenten**



1. **Neues Horn** - In der Mitte des Areals, das zwischen dem Horn und dem Stadtzentrum liegt, soll ein neues Wohngebiet entstehen. Es soll ein zentraler Platz mit einem Park und einem Markt sein. Die Gebäude sollen modern und hell sein. Die Straße soll breiter sein und mehr Grünflächen haben. Die Uferstraße soll neu gestaltet werden. Die Wasserstraße soll neu gestaltet werden. Die Uferstraße soll neu gestaltet werden. Die Wasserstraße soll neu gestaltet werden.

2. **Neues Horn** - In der Mitte des Areals, das zwischen dem Horn und dem Stadtzentrum liegt, soll ein neues Wohngebiet entstehen. Es soll ein zentraler Platz mit einem Park und einem Markt sein. Die Gebäude sollen modern und hell sein. Die Straße soll breiter sein und mehr Grünflächen haben. Die Uferstraße soll neu gestaltet werden. Die Wasserstraße soll neu gestaltet werden. Die Uferstraße soll neu gestaltet werden. Die Wasserstraße soll neu gestaltet werden.

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Südkurier Konstanz, 30.08.2014

WITH THE KIND SUPPORT OF





## IMPRESS



**Hochschule Konstanz**  
**University of Applied Sciences**

**Faculty of Architecture and Design**

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