

Selected Site Visits

Krems, Austria

August 30, 2019
Photodocumentation



Flood water protection

This selected site visit focused on „Flood protection in Krems“, thereby zooming in on disaster prevention and preparedness in Danube University's immediate neighborhood.

The program started with an introductory presentation by civil engineer and senior bureaucrat Paul Seitz on the political, legal & organisational framework of flood water protection in Krems and the surrounding Wachau valley. This part of Danube river has frequently witnessed severe flooding, including two major such events in 1991 and 2002. Alarmed by the increasing frequency and scale of floods, local, regional and national authorities jointly conceived

an holistic adaptation plan, comprising, besides other measures, the deployment of a mobile protection scheme, which can be mounted along the banks of the river depending on water levels. Consequently, Gerhard Urschler, commander-in-chief of the local fire brigade, introduced BReCom team members to the work of volunteer fire fighters in handling this protective devices in case of emergency and explained in detailed all logistics involved this endeavour.

Equipped with this background knowledge, participants took to cycling along the river to see firsthand where mobile protection elements are placed when elevated water levels and weather forecast recommend the appliance of

the mobile protection walls. Mock ups of these walls could be studied consequently during a visit to the fire brigade's headquarters.

Rain water management

The remainder of the site visit was dedicated to a rapid assessment of rain water management on the university's Campus Krems with ecologist Dr. Christine Rottenbacher who introduced BReUCom team members to a newly developed assessment tool which participants tested hands-on.



Paul Seitz lecturing on flood water protection in Krems .

[Site visits] [Krems, Austria] | [30.08.2019]



Participants took to cycling along the river to see where mobile protection elements are placed

[Site visits] [Krems, Austria] | [30.08.2019]

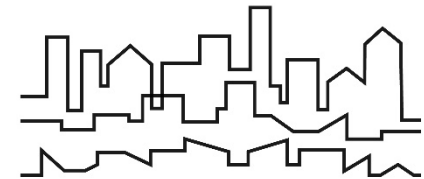


Mock ups of mobile walls could be studied during a visit to the fire brigade's headquarters.

[Site visits] [Krems, Austria] | [30.08.2019]



Dr. Christine Rottenbacher introduced the team to a newly developed assessment tool.



Site visits

Historical Informality Vienna

Vienna, October 2019



"Wild" Vienna Looking back at a century of informal city development

The development of the Austrian capital Vienna in the 20th century was strongly influenced by informal settlements. On a structural level the traces of these formerly "wild" colonies or "Bretteldörfer" are still widely present in today's city fabric. 1918, after the end of WWI, a large part of Vienna's 2 million inhabitants was struck by severe famine, cold, disease and desperate housing conditions. In this precarious situation, several thousands - some sources speak of more than 100 thousand urbanites - were forced to self-empowerment.

Illegal forest clearings, vegetable gardens and squats with primitive houses and sheds were expanding in the Danube floodplain and the alpine foothills, in the fields and wastelands on the fringes of the city. Albeit reduced in scale, this form of informal colonization reoccurred during the world economic crisis of the Thirties and in the instable, precarious years after WWII. While some minor areas were cleared by the authorities, from the 1950s to the 1990s most former illegal settlements were upgraded, connected to public water-, power- and traffic infrastructure and legalized.

As a consequence, former "slums" began to transform into highvalue residential areas, dominated by posh single-family-houses in recent years – contributing to the current overheating of the city's real estate market.

Lecture and site visit

As an add-on to the BReUCom symposium on 'Lessons learnt from European Informality' (held on Oct 23/ 24, 2019 in Krems, Austria) architects and art historians Friedrich Hauer and Andre Kramer gave a preparatory lecture on these historical informalities in the Austrian capital before venturing out the next day with the BReUCom team to see



Friedrich Hauer and Andre Kramer lecturing on "Wild Vienna".

[Site visits] [Vienna, Austria] | [25.10.2019]

Lecture and site visit

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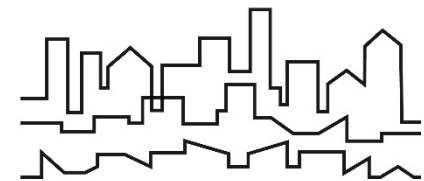
The tour took the group around Bruckhausen, nowadays a pretty ordinary residential district near Danube River. While currently experiencing considerable real estate development due to its

proximity to the United Nations' Viennese headquarters, the settlement has historically started as a contested "wild" district, which underwent subsequent consolidation.



Strolling through formerly informal Bruckhausen.

[Site visits] [Vienna, Austria] | [25.10.2019]



SITE VISITS 2020

Enschede, The Netherlands, 26-28 February
2020



Co-funded by the
Erasmus+ Programme
of the European Union

Why site visits?

The main objective of the site visits in the Netherlands was to know more about EU best practice examples in (community led) climate change adaptation strategies. This helped in improving the understanding on issues of urban resilience through onsite inspection and discussion.

Intensive discussions during the site visits clarified how European experiences in these topics can be understood in Indian historic and socio-economic context, and what aspects might be transferable.

The week was opened by the chair of the Faculty ITC, PGM department, Prof. Dr. Jaap Zevenbergen. First secretary of the Embassy of India Mrs. Mrinalini Kaur Sapra attended the meeting to welcome the consortium.



As part of the programme, the BREUCOM partners visited the municipalities of Zwolle and Enschede to see the works done on climate change and the UT Campus for a sustainability walk. Furthermore there was a panel discussion with 120 ITC students of the course 'Global Challenges, Local Action'.



**SITE VISIT Climate
Adaptation in Zwolle.
Municipality of Zwolle**

Welcome at the City Hall

*Climate Adaptation in Zwolle
– Interactive meeting*

***Climate city walk and site
visits***

- *Melkmarkt*
- *Diezerstraat en
Nieuwmarkt (centre of
Zwolle)*
- *Urban renewal
Weezenlanden*
- *Primary school climate
adaptation
Jenapleinschool*

Suggested readings

www.cbs.nl/en-gb/corporate/2018/28/climate-change-is-firmly-on-the-agenda-in-zwolle

<https://www.zwolle.nl/english>

<https://www.urhahn.com/en/living-in-a-park-in-the-middle-of-the-city/>



Welcome at the City Hall Climate Adaptation in Zwolle

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Urban renewal Weezenlanden, Zwolle

EU SITE VISITS 2020, Enschede, The Netherlands, 26-28 February 2020

SITE VISIT Enschede flood protection.

Municipality of Enschede

Opened by the alderman
Jurgen van Houdt

Presentations by Koen
Wagelaar (designer water)
and Peter Dijkstra
(Teamleader)

Site visits

- *Project Waterstorage
Oldenzaalsestraat*
- *Residential area
Ruwenbos*
- *Project Stadsbeek*
- *Kristalbad*

Suggested readings

<https://cityofenschede.com/aboutenschede/the-city/>

<https://climate-adapt.eea.europa.eu/metadata/case-studies/the-watermachine-multifunctional-area-for-flood-protection-and-improved-water-quality-kristalbad-enschede>

www.enschede.nl/centrum/plannen-projecten-centrum/waterberging-oldenzaalsestraat

www.groenblauwenschede.nl/professionals/projecten/stadsbeek/

www.groenblauwenschede.nl/professionals/projecten/ruwenbos/



Visit Municipality of Enschede. Opening by the alderman Jurgen van Houdt

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Municipality of Enschede. Presentations by Koen Wagelaar and Peter Dijkstra

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Project Waterstorage Oldenzaalsestraat, Enschede

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Wadis in residential area Ruwenbos, Enschede

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Climate Active City. Project Stadsbeek, Enschede

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**SITE VISIT University campus
energy transition.**

University of Twente

Sustainability walk. Guided
by: Brechje Maréchal, MSc.
Environment & Sustainability
Policy Officer

Site visits

*Siti visit UT campus
sustainability projects*

Suggested reading

<https://www.utwente.nl/en/cfm/discover/sustainability/>

<https://www.utwente.nl/cfm/sustainability>



Site visit UT campus sustainability projects

EU SITE VISITS 2020, Enschede, The Netherlands, 26-28 February 2020

**Global challenges and
local action panel
discussion.
Interaction with
international students.**

Panel discussion with 120 ITC
students of the course 'Global
Challenges, Local Action'.

***Spatial Planning: Local
Solutions to Global
Challenges? Prof. Richard
Sliuzas***

https://player.vimeo.com/external/391463129.hd.mp4?s=f9ac9f0e0f0f33b4ff1d5cf9546ad6a10e6b629a&profile_id=175

***BReUCom panel
discussion and
interaction with
students***

https://player.vimeo.com/external/394137296.hd.mp4?s=5596f98d8a8ce4e9caa087d0347d9c6251b603a3&profile_id=175



Panel discussion with ITC students of the course 'Global Challenges, Local Action'.

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BreUCom team with First secretary of the Embassy of India Mrs. Mrinalini Kaur Sapra

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