

Urban Density Lab Lviv 2018

14th–22nd of April, 2018, in Lviv, Ukraine
International workshop on Urban Design

Report

Academic partnership between Vienna University of Technology
and Lviv Polytechnic National University www.vienna-lviv.info



Urban Density Lab Lviv 2018

April 14th – 22nd, 2018 in Lviv, Ukraine

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Topic:

Urban design proposals for a brownfield transformation in Lviv, Ukraine at the following two locations: the Lastivka Coop and the Baczewski Factory.

42 architecture students and 14 tutors from 4 universities in the Ukraine, Austria, Germany and Poland worked together with the Lviv municipal administration on this laboratory project.

This Laboratory focusing on urban design, was organised within the framework of the academic partnership between Vienna University of Technology and Lviv Polytechnic National University (www.vienna-lviv.info).

The Urban Density Lab Lviv was part of an academic semester program in the summer term 2018 at both partner universities. It was composed of:

- a condensed preparatory phase in Vienna and Lviv in March/April 2018
- The Urban Density Lab on-site in Lviv from the 14th -22nd of April, organised as an international workshop on Urban Design
- an elaboration phase where the student's urban design proposals were finalised at the home universities in Vienna and Lviv and
- an exhibition and public discussion of selected results in September 2018 Lviv.



Saturday, April 14th, 2018

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Arrival of all participants in Lviv
Check-in, first orientation

14.00 hrs

Architectural Walking Tour – City Center

Guided by: Nikita Shentsev and Yuliia Stets, students of Lviv Polytechnic National University

Meeting point: Main entrance to Lviv City Hall, Rynok Square

The walking tour guided the students to the main key-locations (squares, parks and other emblematic locations) and key-buildings (from all historic and contemporary time-periods) in and around the city center.

Tools of work: visual and graphic analysis !

19.30 EUROHOTEL , Tershakovtsiv Str, 6A

Staff meeting: conception of the methodology of work

- Lviv Polytechnic National University
- Vienna University of Technology
- University of Applied Sciences Nysa, Poland
- Brandenburgische Technische Universität Cottbus-Senftenberg



Sunday, April 15th, 2018

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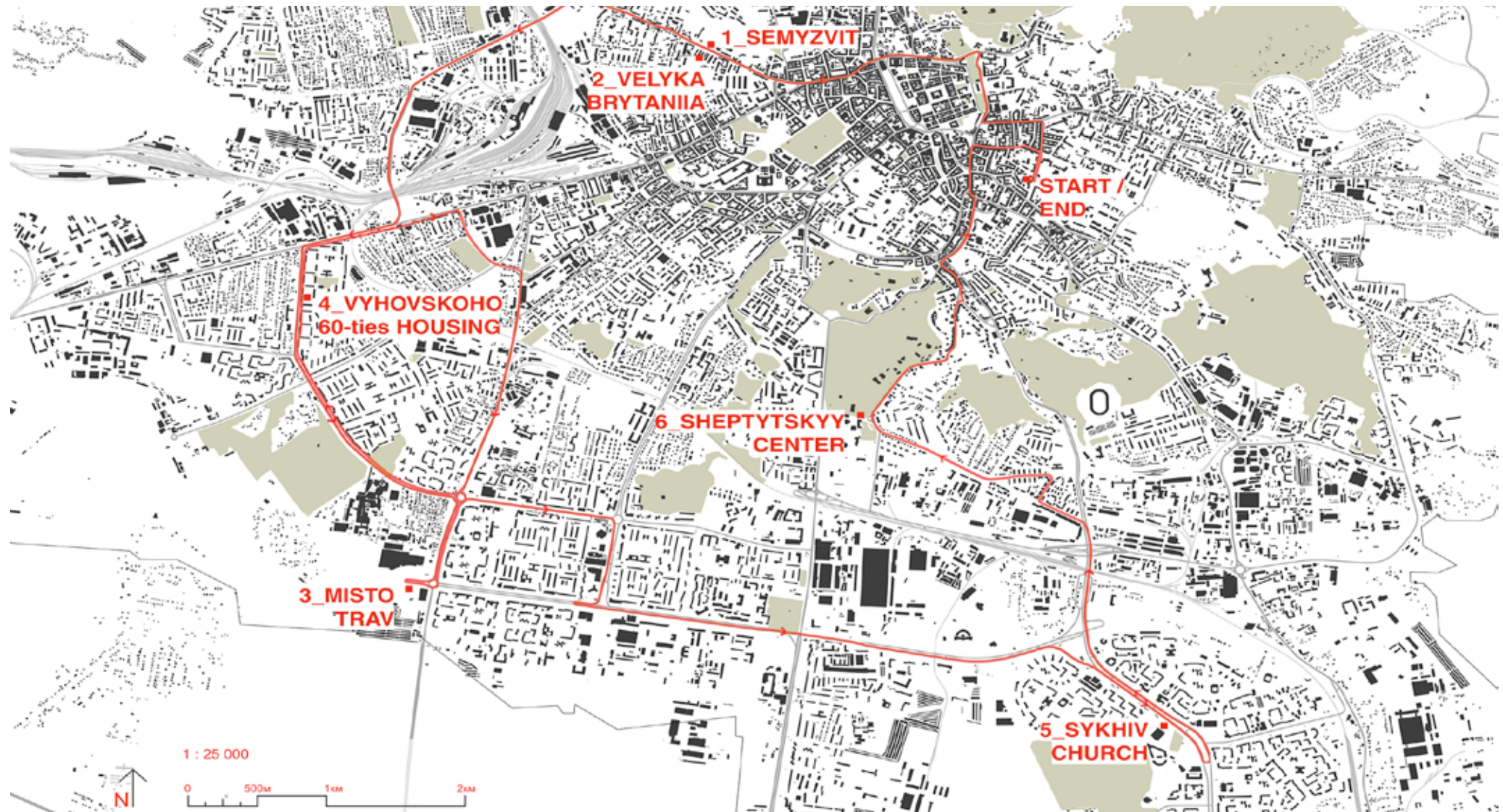
10.00 hrs (until 18.30 hrs)

Lviv Urban Analysis: Guided bus tour to recent dwelling development areas in Lviv

Meeting point: EUROHOTEL, Tershakovtsiv Str, 6A

Organised and guided by Anton Kolomyeytsev

This analysis of the 6 urban projects, mentioned below, attempted to understand the main requirements of current urban development goals in Lviv. The projects were analysed by the students in terms of typology, function, density, materials as well as the role of public space.



Lviv Urban Analysis: Project Nr. 1 (images below_top)

SEMYTSViT Housing Estate (2014)

semyzvit.com Shevchenko street nr. 60, Lviv
size of plot: 7.7 ha; 11 Blocks, about 110 000 sqm flats
Architects: ARCHIMATIKA old.archimatika.com
Developer: Intergal-Bud Housing Estate, Lviv

This housing development is centrally located on a plot of a former gas installation factory. The apartments are organised in 9 to 16 floor buildings with semi-public courtyards.



Lviv Urban Analysis: Project Nr. 2 (images below_bottom)

VELYKA BRYTANIYA Housing Development (2015)

Shevchenko street nr. 17, Lviv
riel.ua/objects/lviv/comfort/velyka-brytaniya/
7 Blocks, about 66 000 sqm flats
Architects: AKD SHULGA old.archimatika.com
Developer: Riel Development Company, Lviv

This housing complex has a semi-open block structure with compact typology of 7 to 9 floors. The buildings are structured vertically with:

- most ground floors zoned for commercial use
- 4 to 6 floors for dwellings of different sizes with balconies
- and some top-floor apartments with terraces.



Lviv Urban Analysis: Project Nr. 3 (images below_top)

MISTO TRAV Housing Estate (2016)

misto-trav.com.ua Kulparkivska street 226 b, Lviv

about 40 000 sqm flats

Architects: AVR DEVELOPMENT avr-development.com

Urban Design: Zotov & Co zotov.com.ua

Developer: Greenville House, Lviv greenville.com.ua

These apartment buildings are composed of semi-open block structures with green rooves. It is located on the south-west periphery, close to the Lviv Airport and opposite the Victoria Gardens Shopping Mall.

The visit was guided by Arch. Volodymyr Yosypchuk.

Lviv Urban Analysis: Project Nr. 4 (images below_bottom)

VYHOVSKOHO 1950ies and 1960-ies Housing

Ivana Vyhovskoho street, Lviv

Architects: Anatoly Konsulov, I. Nivina, 1957-1964

This project from the Chruschtschow time of Soviet-Union teaches a valuable historic lecture on human-scale dwelling. The pre-fabricated 5 floor apartment buildings are composed of extended semi-public courtyards with the character of a park. The extensive use of the courtyards by the neighbors underlines the quality of the urban design; but not disregarding the critic condition of the apartment-buildings themselves.



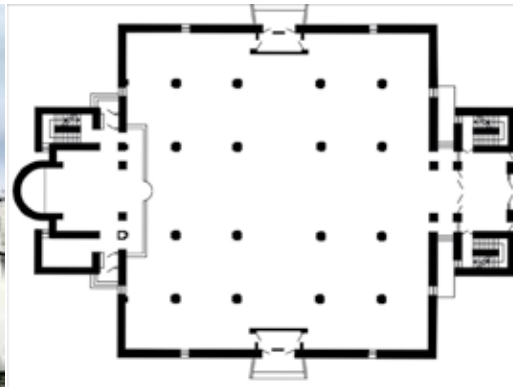
Lviv Urban Analysis: Project Nr. 5 (images below_top)

CHURCH OF THE NATIVITY OF THE HOLY VIRGIN

Sychiv, Lviv

Architect: Radoslav Zuk (1995 - 2001)

This church was built to honor the occasion of the Pope's visit in 2001. It is located in the large-scale southern periphery housing district of Sychiv. The design combines a noteworthy symbiosis of Byzantine tradition and contemporary formal vocabulary. Radoslav Zuk is a former student of Luis Kahn and teaches at McGill University in Montreal. The church represents one of the most significant sacred buildings since the country's independence.



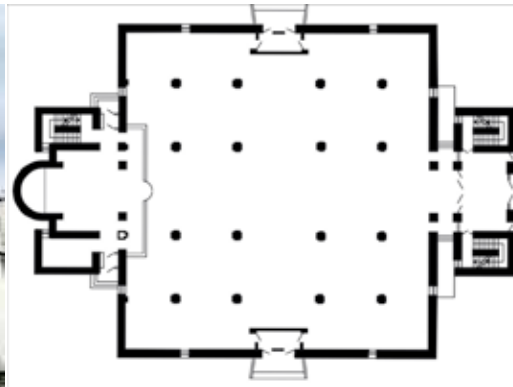
Lviv Urban Analysis: Project Nr. 6 (images below_bottom)

THE METROPOLITAN ANDREY SHEPTYTSKY CENTER

Stryiska str., 29, Lviv; 2012 - 2017 / center.ucu.edu.ua

Architects: Behnisch Architekten, Chaplinsky & Associates
AVR Development / behnisch.com

This Information Research Centre represents the heart of the Ukrainian Catholic University campus. It offers a library for the humanities, academic and research spaces, as well as public spaces for the community. The public and academic functions of the building itself are organized around a vertical atrium space that provides visual connection outside to the beautiful Stryiskyi Park. The visit was guided by Julian Chaplinsky, currently the chief Architect in Lviv.



Monday, April 16th, 2018

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09.30 hrs

Official opening of the Urban Density Lab Lviv 2018

(Lviv Polytechnic National University; Main Building, Stepana Bandery Str. 12, Room 304)

Welcome at the Faculty of Architecture by the Dean

Prof. Bohdan Tscherkes

Goals and methodology of the workshop;

statements by: Halyna Petryshyn, Andreas Hofer, Jakub Lewicki and Markus Otto

10.00 hrs

Presentation of the workshop-program

by Anton Kolomyeytsev

10.30 hrs

Presentation of the topic and workshop sites

Lecture:

„The Role of the workshop sites in the context of urban density perspectives for urban development of Lviv”

by Julian Chaplinsky, Chief Architect of Lviv

Afternoon:

Bus trip to the workshop sites “LASTIVKA COOP” and “BACZEWSKI FACTORY” guided by Anton Kolomyeytsev

Site Analysis: Mapping the Territory

The students apply the method of „mapping” during the site analysis. It contains a subjective interpretation of the potentials in each territory and includes a graphic expression of their unique characteristics.



14.00 hrs

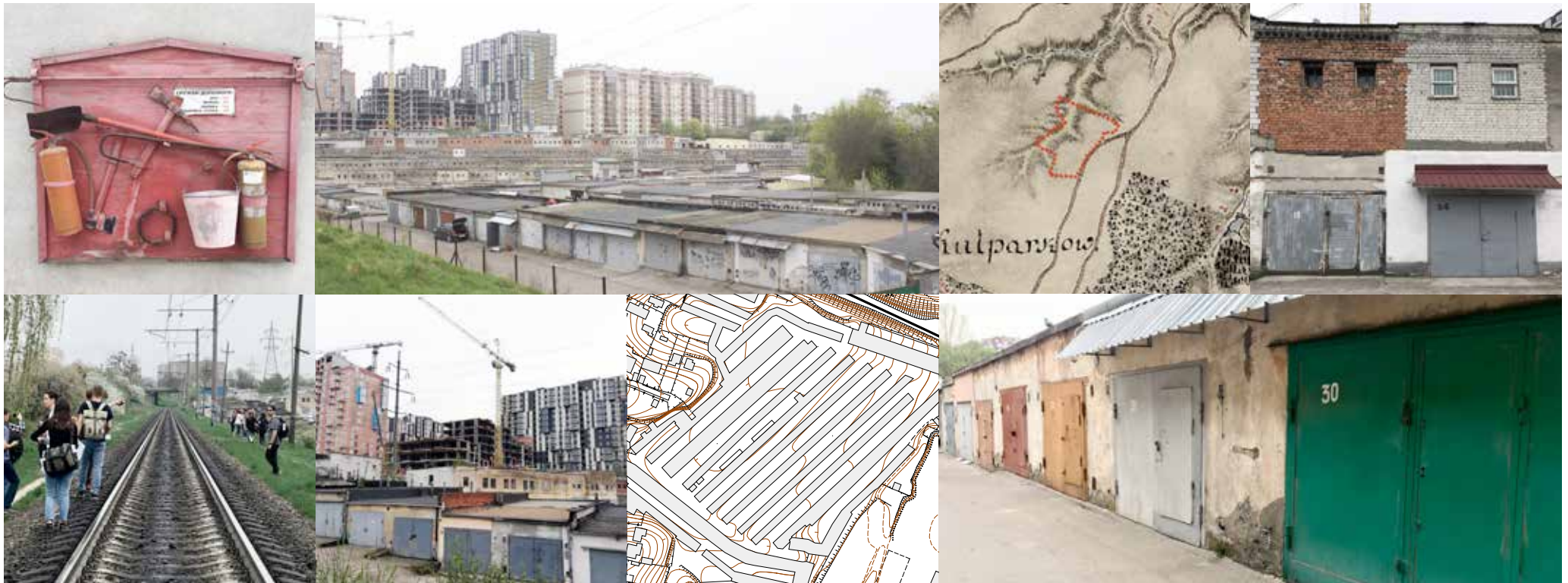
Site Analysis: "LASTIVKA COOP"

This territory (5 ha) is situated in the southern part of the city and there are currently about 1100 individual one-car-garages located on the site. The urban context of the surrounding area is defined by the railway, by the Knyahyni Olhy street, by single family housing as well as by a high-density modern apartment building and complexes towards the east.

The topography provides a slope formed by a creek; this can be observed in historic plans. The highest impact on the site might be the close apartment buildings composed of 12- to 16-floor-blocks which offer extremely limited public space.

The garages themselves are currently used for car parking but also as workshops or even as a meeting point for neighbours living in the district. Some of the garages even have a second floor which might be used for storage.

Any future development of this territory might provide mixed urban functions in order to answer the challenges of the urban context as well as offer some alternative functions for the singular phenomena of the garages themselves.



14.00 hrs

Site Analysis: "BACZEWSKI FACTORY"

This site is about 5 ha and is situated on Bohdana Khmelnytskoho street in the northern part of the city center. It represents a historical industrial area of the Pidzamtsche neighbourhood. In the first half of 19th century a factory for alcoholic beverages was built here. During the soviet period it became the diamond tool factory.

The urban context is composed by the railway with a cargo train station in the south, other buildings for trade and crafts, a small food market as well as a new cultural institution called "Jam Factory" (in the process of planning; hbce.com.ua/jam-factory).

The main strength with regards to any future development in this territory are the short distance to the city centre, the close location next to the railway-station and the cultural heritage of some historic buildings which might be integrated in the future development.



Tuesday, April 17th, 2018

11

09.30 hrs

Urban Density Lab Lviv 2018

(Lviv Polytechnic National University; Main Building,
Stepana Bandery Str. 12, Room 304)

Presentation: „Mapping the Territory: Lastivka Coop and Baczewski Factory“

The students present a subjective interpretation of the potentials in each territory which includes a graphic expression of their unique characteristics. It communicates subjective observations about the current situation related to the urban surroundings, topography, value of architecture and public space, functions and other purposes. It is to be prepared individually and to be hand drawn on A5 paper.

The presentation „Mapping the Territory“ consists of two sessions:

- The physical presentation on the board ... and the
- catwalk presentation on stage.

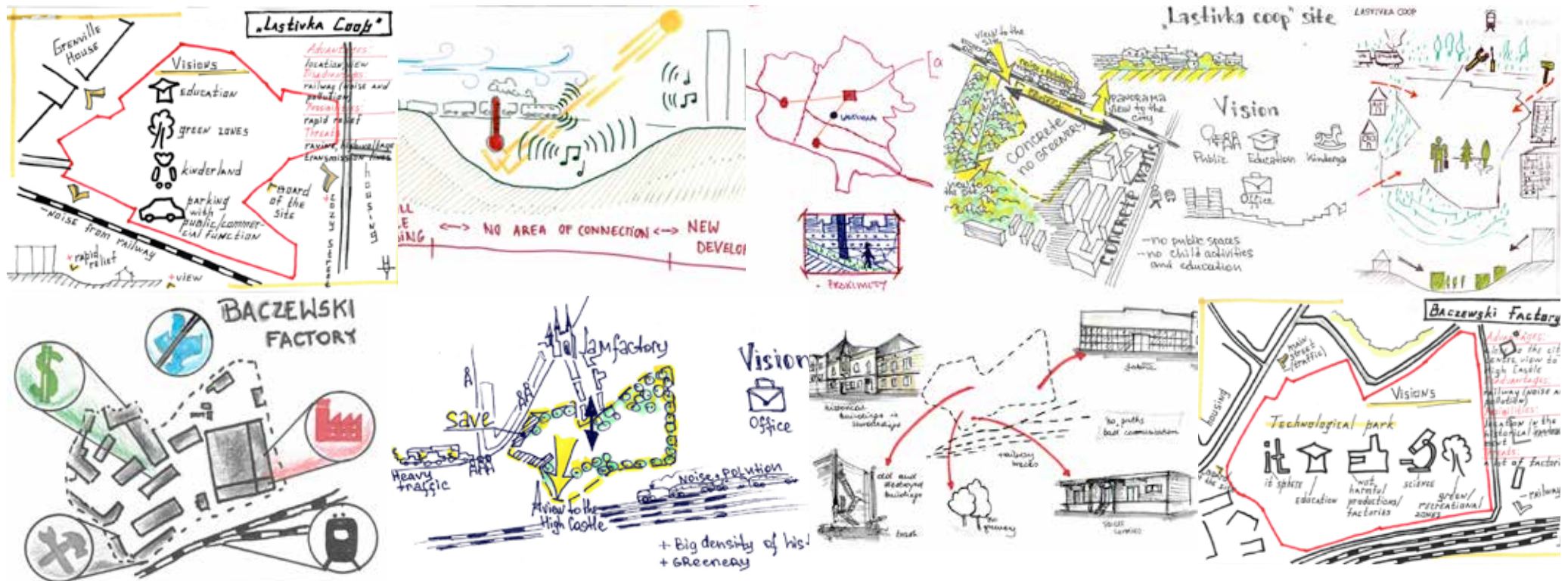
With these tools the students share all relevant information and observations of the sites and additionally they transmit and they receive information about „who is who“ and „whose ideas are whose“ for the following process, the creation of working teams



Tuesday, April 17th, 2018 (continuation)

Urban Density Lab Lviv 2018

Results of the Presentation: „Mapping the Territory: Lastivka Coop (images below_top) and Baczewski Factory (below_bottom)“.



Tuesday, April 17th, 2018 (continuation)

14.00 - 21.00 hrs

Creation of working teams and selection of the territory

9 teams of 4-6 students from different universities work together on one project proposal: 5 international teams work at the Lastivka Coop site and 4 teams work at the Baczewski Factory site.

Group work: finding goals

Conclusions of analysis and interpretation, critical review of the mapping- and visionary approach are completed. Search for the preliminary development goals for each project territory starts. All group work during this workshop week is done in continuous dialogue with the tutors.

Group work: Conceptual phase I

The first conceptual approach provides a transformation of the development goals into an urbanistic concept of one or more future development options for the chosen site. It is based on functional and formal expressions and it should be developed mainly on the working model.



Wednesday, April 18th, 2018

09.30 hrs

Lecture: „Industrial heritage and the territory“

by prof. Markus Otto, Brandenburgische Technische Universität Cottbus-Senftenberg

11.00 hrs

**1st Intermediate Critic “Lviv Urban Density Lab 2018”
“Market Square method”**

With this presentation, the first conceptual approach for the creation of a future development scenario on the chosen site is to be discussed.

Tools: working models, sketches, diagrams, logotypes (handmade only).

Each working team has to present:

- a catchy working title and logo of the project
- conclusion and interpretation of the analysis
- the formulation of goals for the future development
- conceptual drawing of the future neighbourhood including programs and urban qualities.

The spatial development is to be presented in working models (several variants), sketches, diagrams within a layout of A1 (hand drawings).

Each working team gets a feedback by the tutors on their concepts and their presentation!



The „Market Square method“ is a non-hierarchical interactive tool for presentation and feedback sessions based on mutual group-conversations.

The classroom is a market square where each working-team presents their preliminary design projects on board like a market stand.

Each working team divides their members in

- „vendors“, who stay at the „market stand“; they answer questions and explain the background of the project
 - the other „scouts“ are „flying“ over the market square and analyse the presented projects, ask questions and reflect.
- After a previously defined time period the vendors and the scouts change their role and another similar session takes place.

All working-teams (vendors) are obligated to record their conversations on board and arrange them in positive/negative/other comments (each of them could not be longer than 3 words).

The tutors in both sessions only have the role of „scouts“!

After a 20 min break where all working teams reflect the previous sessions a third session concludes briefly all written comments in public. Final comments by the tutors are to be completed, if necessary.



Thursday, April 19th, 2018

09.30 – 23.00 hrs

Group work: Conceptual phase II

The first conceptual approach has to be consolidated. Therefore remarks from the previous day and comments on the 1st intermediate critique are acknowledged in the working process.



Friday, April 20th, 2018

17

09.30 hrs

Final presentation of the Workshop "Urban Density Lab Lviv 2018"

(Lviv Polytechnic National University; Main Building, Stepana Bandery Str. 12, Room 304)

A preliminary urban design concept for the chosen territory is to be presented. It is an improved and more detailed concept of the 1st intermediate critique and it represents the final result of the week's design work.

The projects are to be presented within a layout of a poster format A1, tools to be defined by each team. Each working team gets extensive feedback from the tutors.

The final presentation includes the following content:

- catchy working title and logo of the project
- conclusion and interpretation of the analysis
- clear goals for future development
- conceptual plan of the future neighborhood 1:2000 including diagrams explaining
 - ... structuring elements
 - ... green network
 - ... access and connections
 - ... main functions
 - ... typologies of buildings and public space
- 1 or 2 images of the atmosphere of the new neighbourhood
- facts and figures of the new neighbourhood
- 1 working model 1:500



Friday, April 20th, 2018 (continuation)

This preliminary design concept will be the base of the further design process back in each home-University. The methodology of the upcoming design process from April to June 2018 will be decided by each University.

The urban design projects will be finished with a final presentation at each home-university before the end of June 2018.

The information of the final results will be exchanged during an exhibition at Lviv Polytechnic University in September 2018. Some selected proposals will be presented and discussed in public at Lviv Town Hall in September 2018.



Friday, April 20th, 2018 (continuation)

14.00 hrs

Symposium "Effects of Cooperation: Career_Architecture_International"

The aim of this symposium was to link up cooperation graduates from both universities with current master students at the Lviv Polytechnic University in order to discuss international potentials and chances for different options in architecture and urban design.

Graduates from both universities report on their professional experience and discuss their role as participants in international workshops and research projects provided the cooperation and its catalytic effects.

(Please see the detailed program of the symposium at vienna-lviv.info).

20.00 hrs

Official closure of the Urban Density Lab Lviv 2018

Saturday April 21st, Sunday April 22nd

Individual program, departure days



Participants

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Vienna University of Technology

Students

Olivia Daschill, Fabian Krenn, Nina Zawasta, Anna Jögl, Susanna Böcherer, Sebastian Lengauer, Nikola Miškič, Aslihan Kuvvet, Myrto-Ioanna Karnoutsou, Veronika Basova, Karolina Nachlik, Tamara Antić, Michael Plankensteiner, Nikosz Bendegúz Tóth, Rostyslav Kasiyan, Emilie Wöllauer, Anasztazia Hutvan

Tutors

Ass.Prof. Dr.techn. Dipl.-Ing. Nobert Trolf, Univ. Lektor Dipl.-Ing. Christian Gigler, Ass.Prof. Dipl.-Ing. Dr.techn. Dr.h.c. Andreas Hofer

Lviv Polytechnic National University

Students

Khrystyna Kurovets, Maryna Peleshchak, Yaryna Hnopko, Nikita Shentsev, Yuliia Stetsa, Olexandr Reznikov, Viktoriia Alosyna, Roman Yanevych, Khrystyna Pidlisetska, Ira Kachmaryk, Selma Mambetova, Valeriia Polianska, Khrystyna Teliuk

Tutors

Dean Prof. Bohdan Cherkes, Prof. Halyna Petryshyn, Dr. Anton Kolomyeytsev, Dr. Roman Krushelnytskyi, Roman Liubyskyi, Solomiia Konyk



Participants (continuation)

Brandenburg University of Technology Cottbus - Senftenberg

Students

Julia Klemm, Andre Sacharon, Yifan Liao, Huong Nguyen

Tutors

Dean Prof. Dipl.-Ing. Arch. Markus Otto, MA Arch. Monique Jüttner

Lviv Municipal Planning Department

Chief Architect Julian Chaplinsky

University of Applied Sciences Nysa, Poland

Students

Maja Łaski, Weronika Brozyna, Kasper Obierzyński, Nazar Boichuk, Martyna Kowalska, Paulina Iwan

Tutors

Prof. Tomasz Malczyk, Prof. Konrad Dobrowolski



Imprint

Report on the Urban Density Lab Lviv 2018
14th–22nd of April, 2018, in Lviv, Ukraine
International workshop on Urban Design

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Proofread Jacinta Klein

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