

NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT



Anna Maria Wierzbicka
PhD DSc Arch. Prof. WUT
(Leader of the team)



Yuriy KryvoruchkoProf. Lviv Polytechnic



Paweł Trębacz PhD Arch. WUT



Renata Jóźwik PhD Arch. WUT



anna.wierzbicka@pw.edu.pl







NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT

MACRO SCALE – settlement

MESO SCALE – residential block

MICRO SCALE – segment/module



BALANCE SHEET within the development boundary

14 x 144 modules = 2016 modules

usable floor space of the flats = 53 924 m2

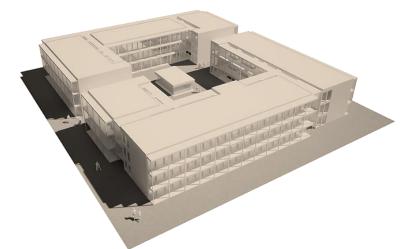
total surface area = 59 724 m2

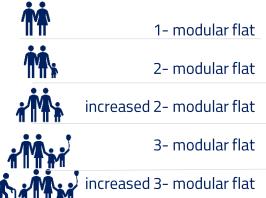
plot area = 7 ha

gross intensity = 0,85

14 x 252 people = 3528 people

density = 504 people/ha

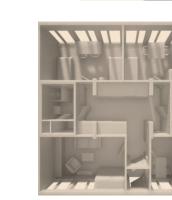
















| Faculty of Architecture

ProModSe - Modular Refugee Settlement Project

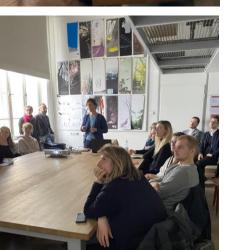
NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT

WARSAW UNIVERSITY OF TECHNOLOGY

























NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT



► RECONNECTING WITH NATURE

Public spaces are a network that binds larger areas of greenery into a system that connects to natural areas with a ratio of min. 25% of the biologically active area in the street section.

► REGAINING A SENSE OF BELONGING

Characteristic of European culture, fringe development, forming street spaces, maintaining a height suitable for small urban units, not exceeding three-four stories, and a cross-section in the ratio h:s = 2:3.

▶ PRIORITIZING THE PLACES AND PEOPLE THAT NEED IT THE MOST

A housing unit composed of quarterly neighbourhood groups fulfills basic social functions when it has no less than 1200-1500 residents divided into neighbourhood groups of no more than 300 people.

► THE NEED FOR A LONG-TERM LIFE-CYCLE THINKING IN THE INDUSTRIAL ECOSYSTEM

The use of prefabricated modular technology of wooden construction with appropriate thermal insulation made of mineral wool or other alternative natural materials allows for rapid implementation of investments, low production waste, and recyclability.

► SAFETY

The functions of 'panic' rooms can be performed by suitably reinforced bathroom spaces additionally equipped with an evacuation shaft leading to a shelter in the basement.





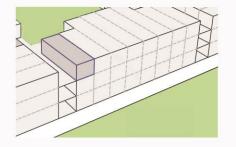


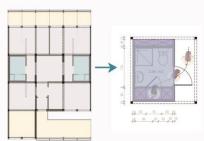
NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT

BEAUTIFUL SUSTAINABLE TOGETHER

MICRO SCALE – segment/module

 \propto \geq





MICRO SCALE – segment/module

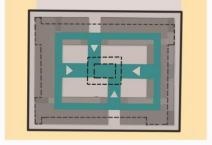
MESO SCALE block

MACRO SCALE – settlement

0







MESO SCALE block





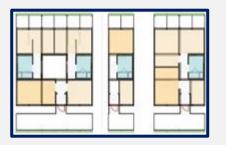


MACRO SCALE – settlement





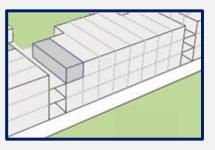
NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT



Beautiful

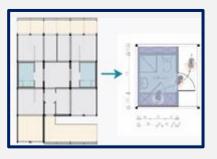
The simplicity of the functionality of the housing layout should help accommodate the cultural customs retained by the diverse community.





Sustainable

Construction materials should, as much as possible, be of natural origin, available in the construction region, and easy to dismantle, recycle and reuse.



Together

The safety of the family community in the housing area should be ensured by using a structurally reinforced space that allows for immediate shelter.





NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT



Beautiful

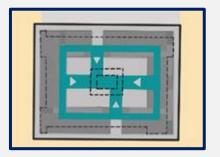
Buildings should be designed with repetitive, industrially manufactured structural components, with controlled energy and material consumption throughout the production cycle.





Sustainable

Within the quarters and public spaces, the appropriate proportion of the share of the biologically active area should be maintained and water retention should be ensured.



Together

A neighbourhood group within its enclave should have a space for integration and protection in an emergency.



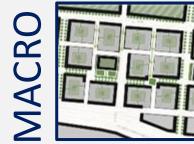


NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT



Beautiful

The layout of public spaces should form a hierarchical network conducive to intensifying interpersonal contact between members of different neighbourhood groups.



Sustainable

The natural component should be treated as an integral part of the urban fabric, providing continuity of natural links with different functions: biological, hydrological, and climatic.



Together

The size of a settlement unit should be determined by the number of residents whose needs can be met in a dimension and at a socially acceptable level.







NEW EUROPEAN BAUHAUS - PROPOSALS FOR CITIZEN ENGAGEMENT



Beautiful – Sustainability – Together and... Safety



Design and development **RESEARCH**for the ProModSe consept



conceptual, patent and construction dokuments



Study research confronation with other groups



Popularisation and
PARTICIPATION
activities

