

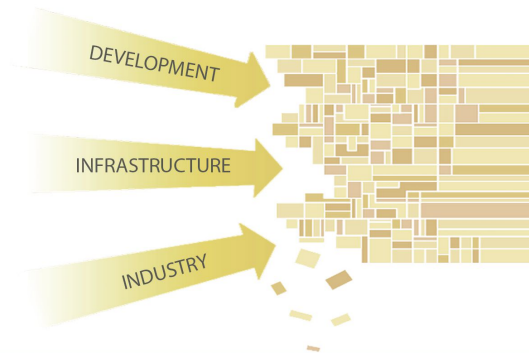
# URBAN PUZZLE



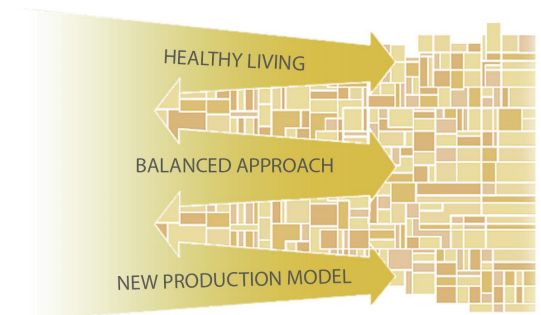
## RETHINKING DEVELOPMENT



## CURRENT PARADIGM



## TOWARDS A NEW PARADIGM



Country / City .....Kielce.....

University / School .....Kielce University of Technology.....

Academic year .....Second degree, 2 year, III semester.....

Title of the project .....URBAN PUZZLE.....

Authors .....Joanna Linek, Magdalena Linek, Monika Świerkot, Bernadetta Śledź, Viktoriia Romanchenko.....

## TECHNICAL DOSSIER

Title of the project .. URBAN PUZZLE ..  
Authors .. Joanna Linek, Magdalena Linek, Monika Świerkot, Bernadetta Śledź, Viktoriia Romanchenko ..  
Title of the course .. Street furniture and green design ..  
Academic year .. Second degree, 2 year, III semester ..  
Teaching Staff .. dr.inż. arch. Magdalena Wojnowska-Heciak ..  
Department/Section/Program of belonging .. Department of Architecture and Urban Planning ..  
University/School .. Kielce University of Technology ..



Written statement, short description of the project in English, no more than 250 words

'Climate neighborhood' was well-thought-out as the district of the future, in compliance with the agricultural, social and ecological legacy of Poznan. Which way the newly designed housing estates have a chance to become the ones of the future? Searching for the answer to that question, we have examined current problems of cities and we have made an attempt to create districts of the future based on three most important challenges: "Mobile City", "Blue-green City" and "City for everyone". The mobile city manages with the availability in the entire city and makes its connection better, seeks for ways to optimize of the grey infrastructure in the long-term perspective, promotes more sustainable mobility and shows solutions for the long-term transformation of the traffic. The blue-green city activates green and open spaces for residents, it enlivening forests, couples and fields, solves a problem of the rainy local economy and producing green food, enables physical exercises, promotes healthy lifestyle, creates diverse ecosystems. The city for everyone deals with challenges associated with demographic changes and the diversification of a lifestyle. It is a purpose of promoting multicultural and mutual life, seeking for a bigger living space and new ways of life. Creating the mobile space which will adapt itself to changing needs of the residents is an assumption and of the changing climate in the prospect of the time. The entire space should be a hybrid which means cooperation between the neighbourhood and the landscape.

For further information  
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# CLIMATE CHANGE AGAIN

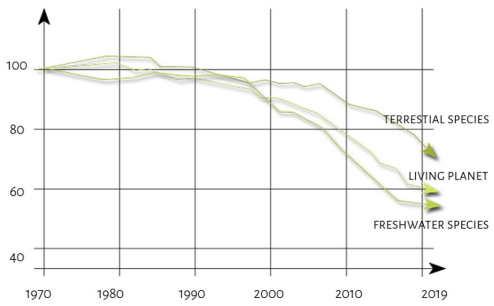
11th International Biennial Landscape Barcelona

Barcelona September 2020  
SCHOOL PRIZE

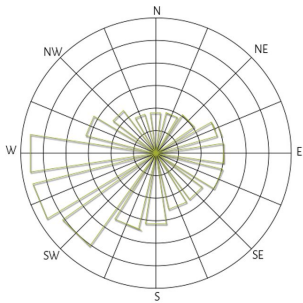


## NATURE

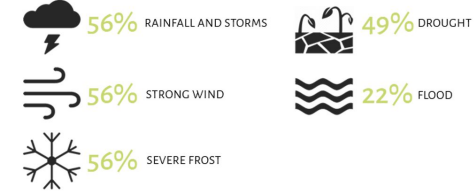
POPULATION INDEX IN 1970



WIND ROSE



WEATHER PHENOMENONES AFFECTING THE COMFORT OF LIFE IN THE CITY BY TESTED PERSON

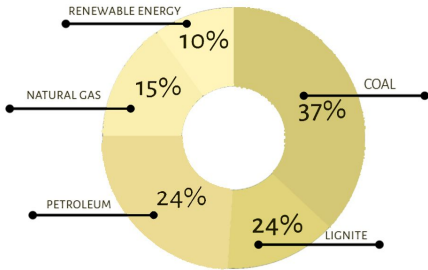


NEGATIVE EFFECTS OF CLIMATE CHANGE IN THE CITY ACCORDING TO THE TESTED PERSON

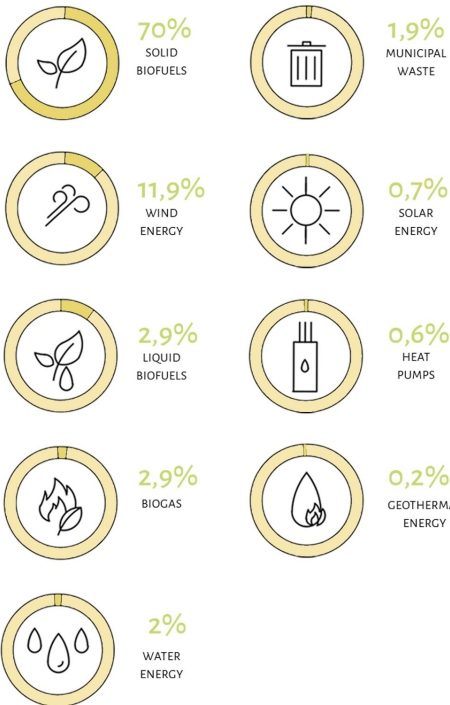


## ENERGY

ENERGY SOURCES

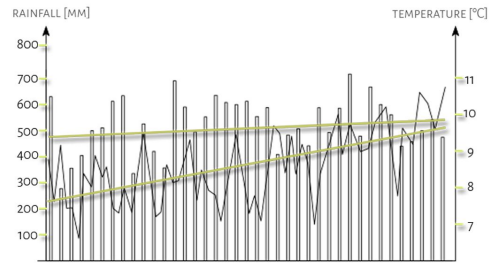


ENERGY FROM RENEWABLE SOURCES

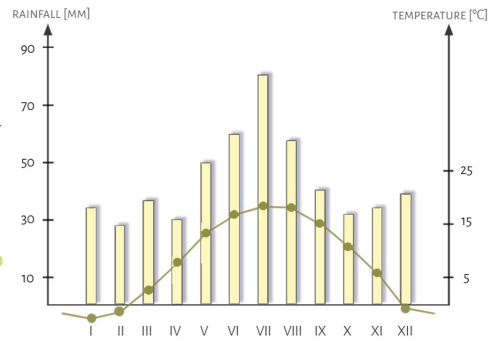


## WATER

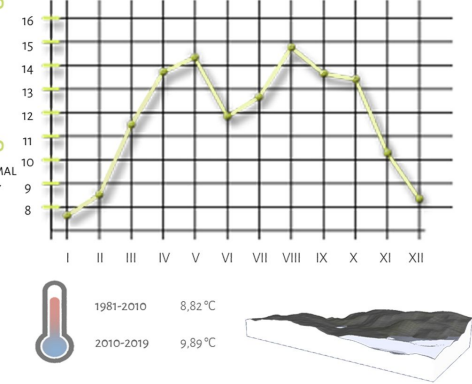
AVERAGE RAIN IN [MM] AND AVERAGE ANNUAL TEMPERATURES



AVERAGE MONTHLY ATMOSPHERIC PRECIPITATION AND TEMPERATURES

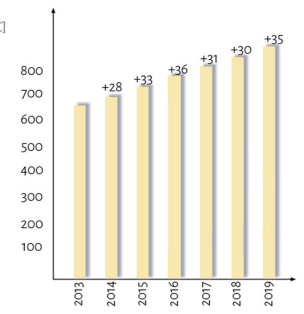


NUMBER OF DAYS WITH RAIN IN A YEAR

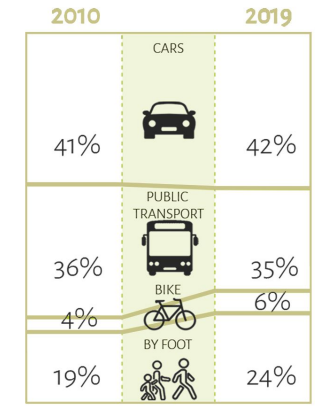


## TRANSPORT

NUMBER OF CAR GROWTH PER 1000 RESIDENTS



MODE OF TRANSPORTATION

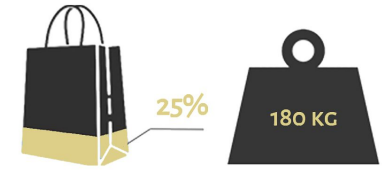


AVERAGE DISTANCE IN [KM]

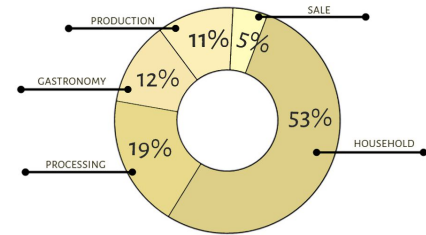


## FOOD + WASTE

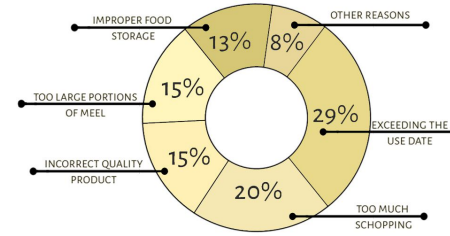
THE AVERAGE HOUSEHOLD THROWS AWAY ABOUT 25% OF THE FOOD AND PRODUCES 180 KG OF FOOD WASTE PER YEAR



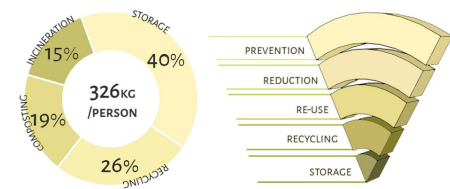
FOOD WASTE IN SECTORS



REASONS FOR WASTE FOOD

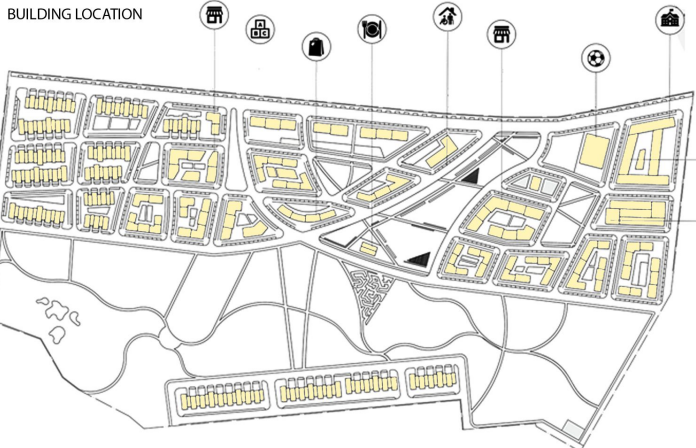
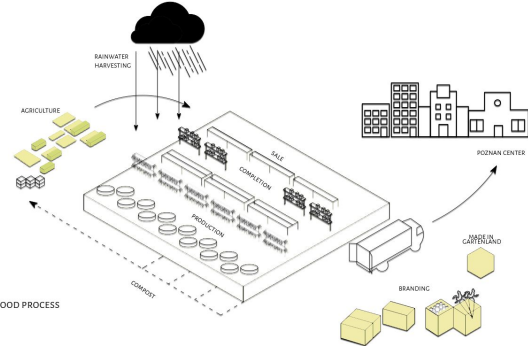
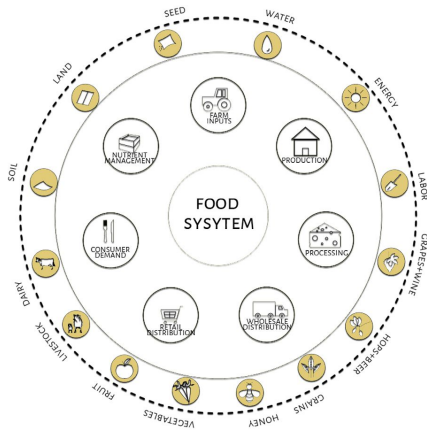


AMOUNT OF WASTE AND METHOD OF UTILIZATION

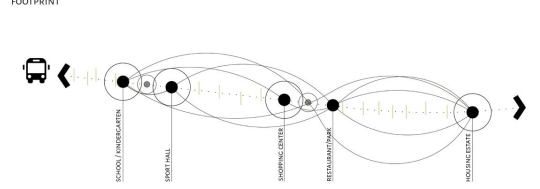
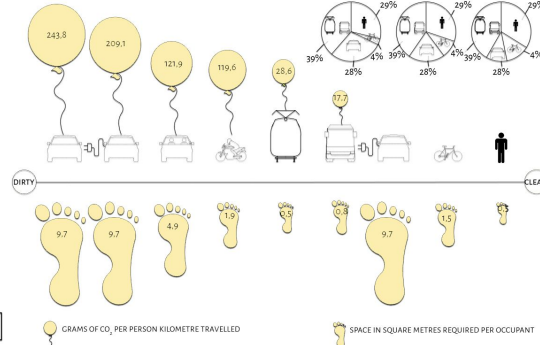
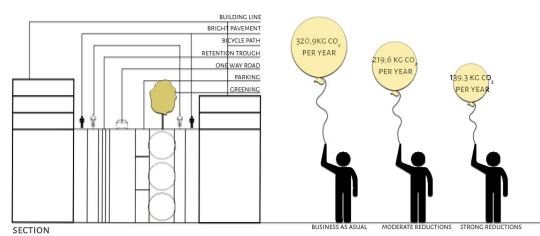




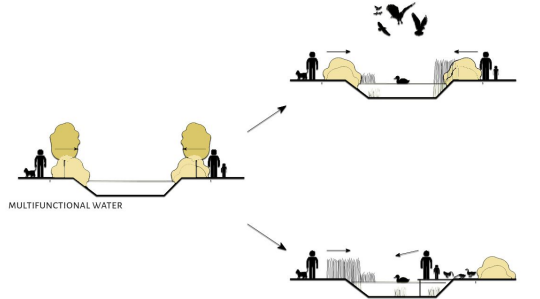
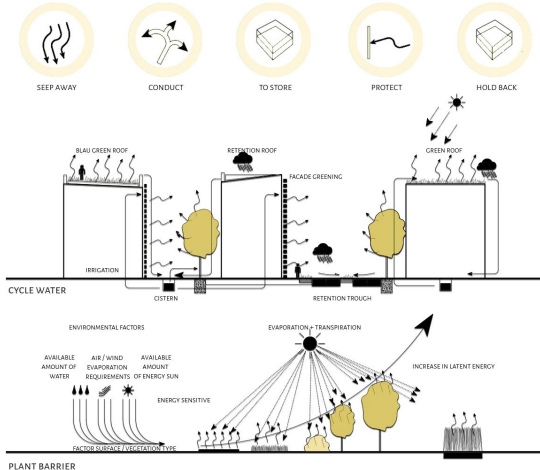
### FOOD



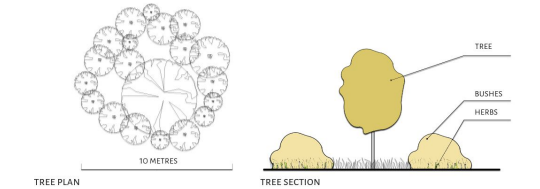
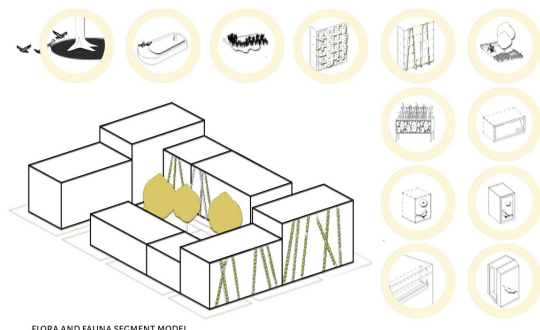
### TRANSPORT



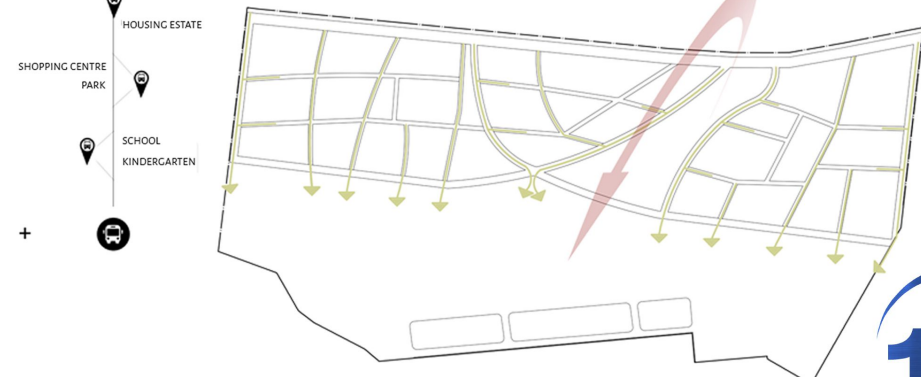
### WATER



### NATURE



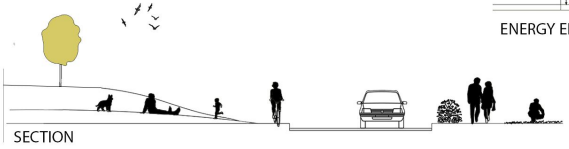
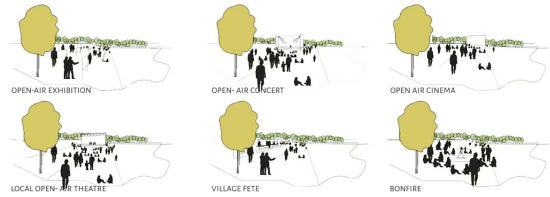
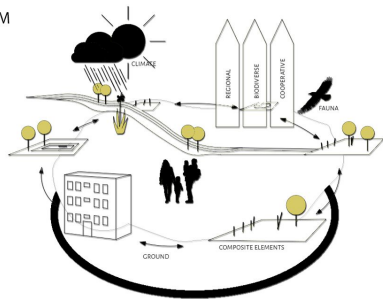
### GREEN CONTEXT



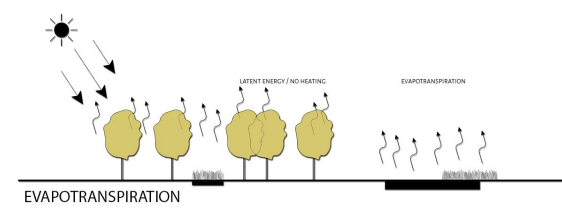
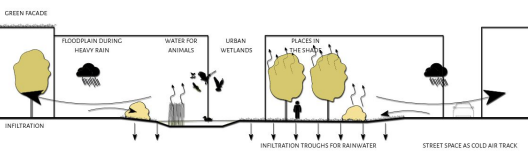
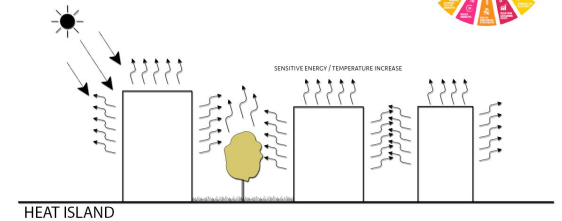
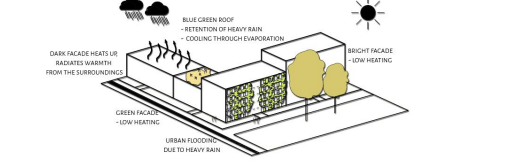
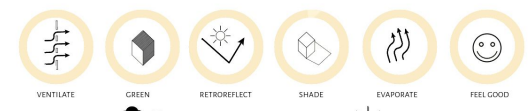


# ECO NEIGHBOURHOOD

## ECOSYSTEM



# HEAT ISLAND



## MASTERPLAN



- LEGEND:
- TREE
  - GREENS
  - CHILDREN AREA
  - BUS STOP
  - SIDEWALK
  - ∨ NUMBER OF STOREY
  - ▲ BUILDING ENTRANCE
  - CAR PARK