

City of Zagreb



GEOGRAPHICAL AND CLIMATE DATA

HEIGHT ABOVE SEA LEVEL



1035 m

158 m

122 m Zrinjevac

SOURCE: PMF, Department of Geography



SMALLEST CITY DISTRICT

Donji Grad 301.6 ha

4.7% of the total population of the City of Zagreb lives on an area of 0.5% of the City's total surface area.

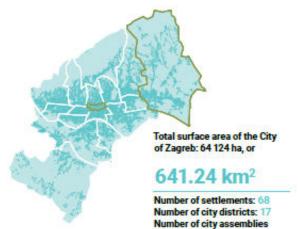


LARGEST CITY DISTRICT

Sesvete 16 524.5 ha

in City districts: 218

8.9% of the total population of the City of Zagreb lives on an area of 25.8% of the City's total surface area.



proGlreg in short

Financed by the Horizon 2020 programme

Project duration: June 2018 - November 2023

Project coordinator: RWTH Aachen University

Local coordinator: City of Zagreb, City Office of

Economy, Environmental Protection and

Strategic Planning

Dortmund, Torino, Zagreb, Ningbo (China)

Local partners in Zagreb:

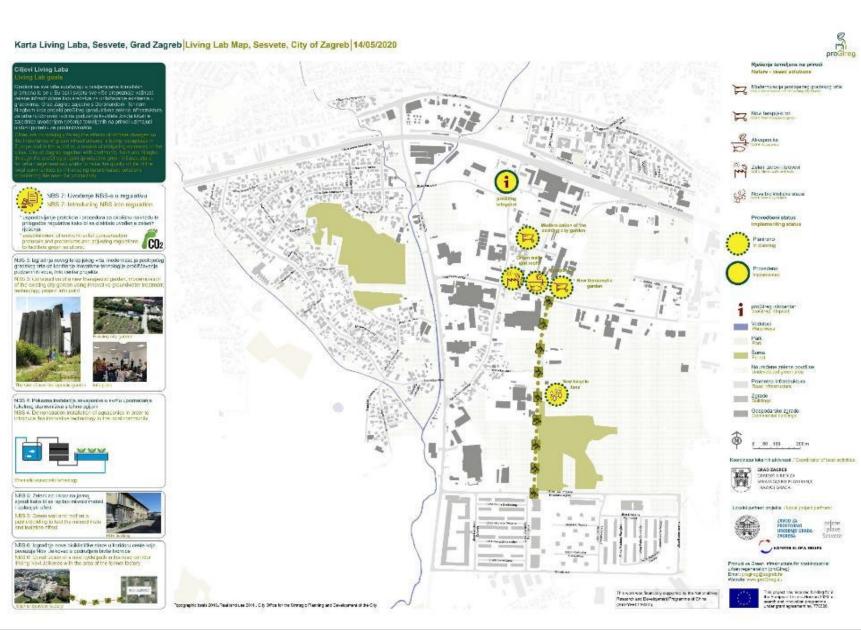
City of Zagreb
Zagreb School of Architecture
City Bureau for Physical Planning
Green and Blue Sesvete NGO







proGlreg Living Lab

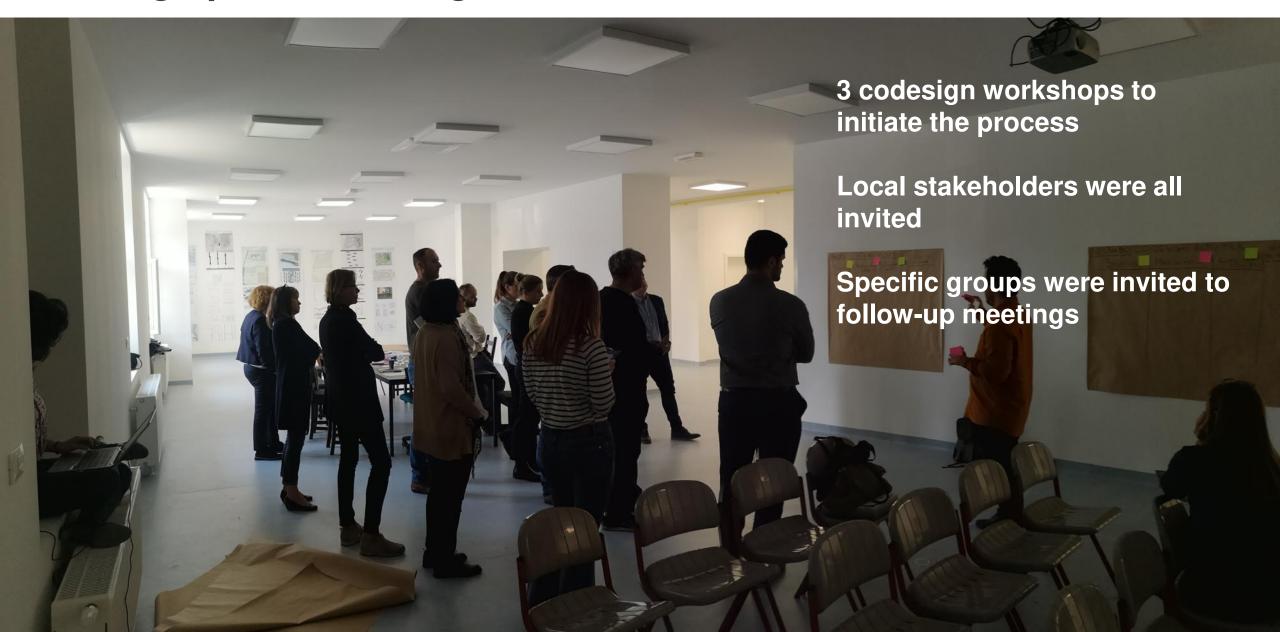


The Zagreb LL is located in the eastern neighborhood of Sesvete, 10.2 km from the city centre

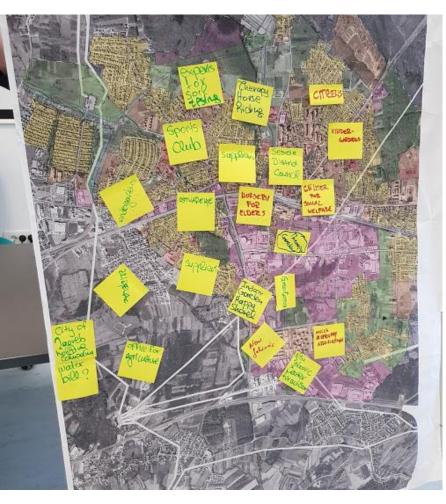
The surface of Sesvete is cca 165 km² (1/4 of overall surface area of the city), with 70.000 inhabitants (9% city population) and lowest average population age (37.8 y)

- 128 000 m2 brownfield site of the closed down meat processing factory Sljeme
- by the railway line, south to the present centre of Sesvete
- part of the economic zone that now lies between the older centre of Sesvete and the new neighbourhood Novi Jelkovec with 11 000 inhabitants

Codesign process in Zagreb

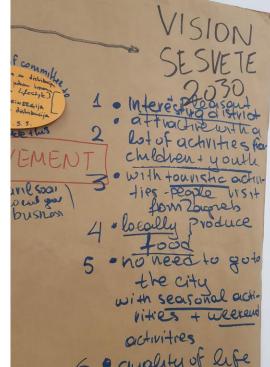


Codesign process in Zagreb



- Local self government
- Roma community
- Elementary school and music school
- Local museum
- Local sports clubs
- Assisted living community
- etc.





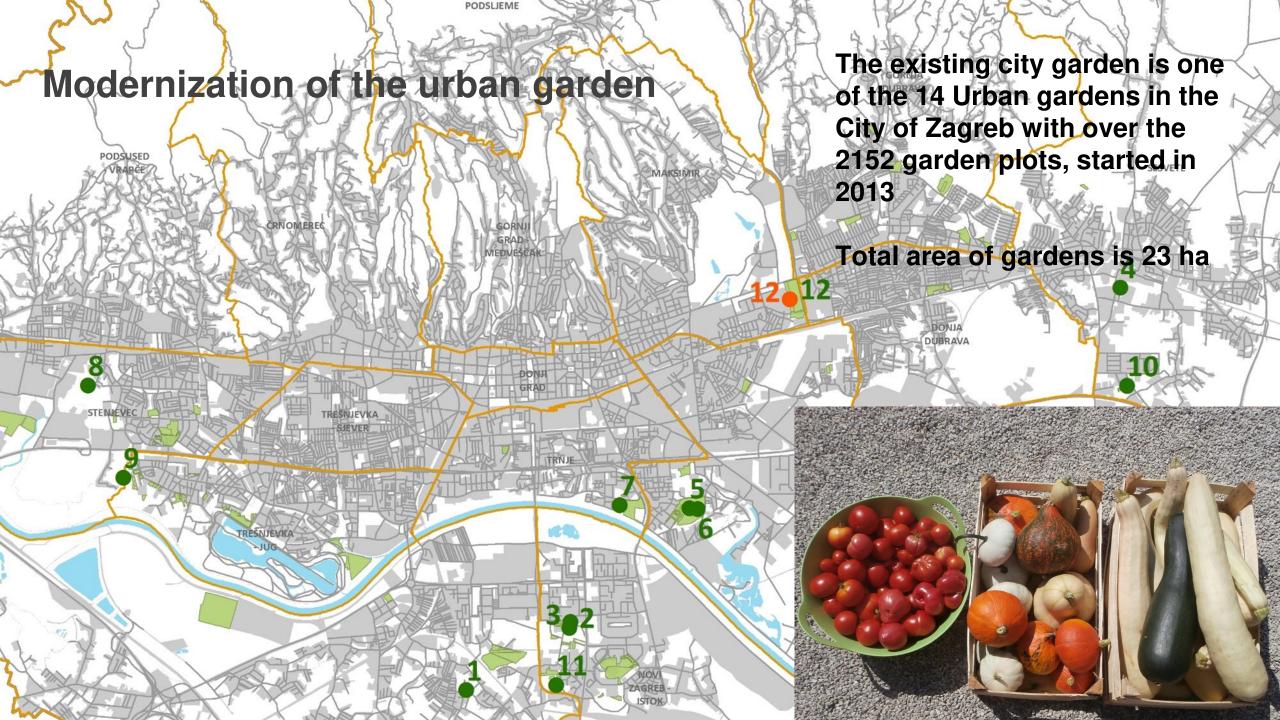
Info point



Info point of the project is located next to the LL area, and is used as a meeting, exchange and information point for the local community.

The info centre has been refurbished and is becoming a central meeting place for the district and is in the process of becoming an attractive hotspot for Sesvete young population. It is shared with a local chess club and operates as an art gallery.

It also serves as a meeting point for the proGlreg partners and a host space for the co-design and replication workshops.





Therapeutic garden



Designed with the input of future users (therapists) within the co-design process





Therapeutic garden



Workshops with the users of therapeutic garden





Therapeutic garden - social inclusion



Modular urban farm

Aquaponics integrate aquaculture and hydro-culture into a circulatory system that saves resources and mimic the natural cycle of nitrogen.

Very little water is consumed, pollution is minimal or nonexistent, and the product is vegetables and fish that are grown without chemicals.

Modern green roofs and walls are building elements designed to support living vegetation in order to improve a building's performance.



Modular urban farm



Modular urban farm connects these technologies and provides public access and knowledge transfer to all the interested parties (local residents, farmers, enterpreneurs)



New cycling path



A new pedestrian and cycling path in the corridor of a local road named "Road 6" was planned within the project. The route was modified recently to cross the LL.

The path will be made of eco materials and with accompanying green and cycling infrastructure.

Integration of decarbonization measures in regulations



A proposal of guidelines of low-carbon development planning, created in accordance with European green policies, is one of the key project results.

These guidelines foresee a new procedure for spatial plans including participatory process with citizens, and a turn towards low-carbon development and energy transition.

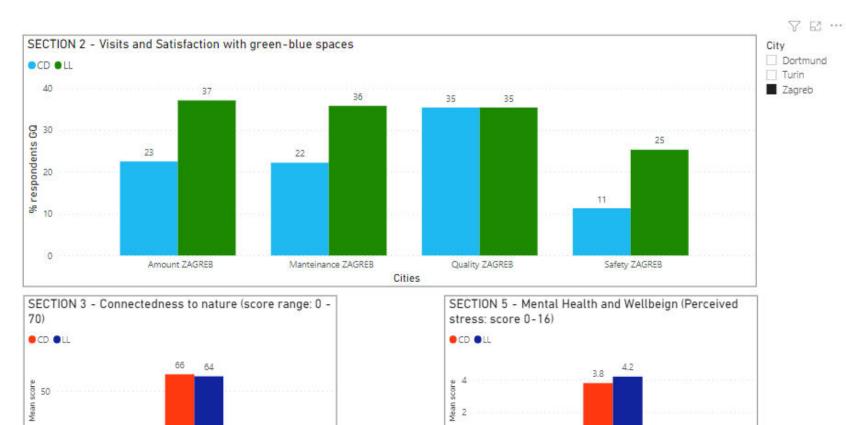
decarbonisation of the energy system, use of sustainable materials and circular economy, renewable energy sources, green infrastructure, sustainable water management, nature-based solutions, and re-naturalisation of urban centres.

Monitoring - Living Lab general questionnaire



HOME LOGIN

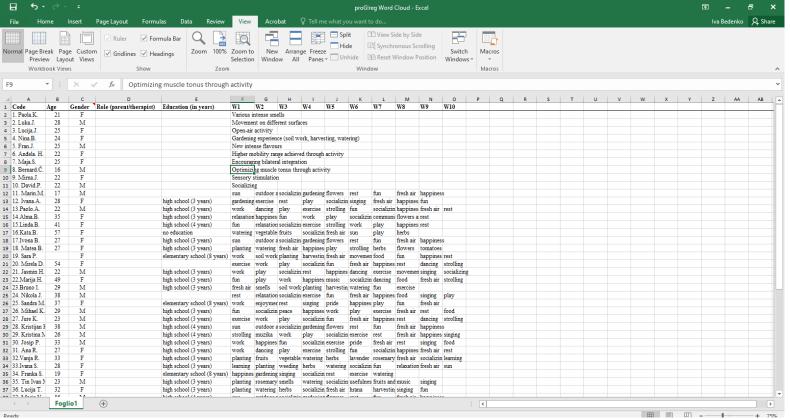
Zagreb



Zagreb

- Human health
- Inclusion
- Ecology
- Economy

Therapeutic garden monitoring



- Many of the therapeutic garden users are non-verbal
- Word cloud is being created with therapists' input

```
outdoor activity socializing
sun
gardening
              flowersrest
fresh air exercise
                     play
       happiness
       dancing
work
       exercise
                     strolling
              socializing
happiness
socializing
             communication
       flowers and fruits
harvesting
               rest
```

Replication process





- Two replication workshops in 2022
- Local and regional/international
- Various scales of replication
- Greatest interest in therapeutic garden



