



## Living Lab Zagreb, Croatia

### NBS description

The urban farm combines two NBS: A modular container features green wall and roof technologies outside, and a small aquaponics system inside. Either solar panels or classic electricity fixtures generate the needed energy supply. The green wall and roof significantly reduce the sensitivity of the assembly to atmospheric conditions - insulating the inside of the farm from temperature extremes and absorbing excess rainwater through green roof technology. The NBS is a green and mobile technology centre open to the public.

### Aim & goals

The modular urban farm serves as a platform for presenting modern food production technologies to the interested public and the local community. It provided direct access and close encounters with applications and practical features of green technologies. Key goals include:

- Increasing local food production throughout the year independent on climate and whether conditions.
- Presenting modern food production technologies to interested citizens.
- Experimenting with keeping a constant temperature in the container and respective power needed for that given the green wall and roof as an insulator.

### Target groups (beneficiaries)

- Interested public and Sesvete residents
- Local farmers
- Local schools
- Companies interested in green technology

### Main responsible partner

City Office of Economy, Environmental Sustainability and Strategic Planning of Zagreb, coordinator of all activities

### Contact

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### Area of implementation

After abandoning the original implementation area at the administrative building in the north of the Living Lab, the farm is now located near the therapy garden and other NBS implementations on the former meat processing plant.

GPS coordinates: 45°49'14.5"N 16°06'28.4"E

### ProGlgreg partners involved

- City Office of Economy, Environmental Sustainability and Strategic Planning of Zagreb coordinating activities
- NGO ZIPS - Green and Blue Sesvete provide the link to the local community.
- AF - consultation on spatial planning
- ZZPUGZ - consultation on planning regulations and requirement upgrades

### Other stakeholders involved

- Vesela Motika- The Happy Shovel - small and growing food technology company (SME) that designs green solutions for buildings and digital solutions for contemporary indoor food production. Operates and manages the farm.
- Mali dom, city-owned daycare center for children with disabilities.

### Implementation budget

Total implementation budget: 176.000 €  
proGlgreg funding: 168.000 €

### Timeframe

Start April 2021 → Completion September 2021

