Green Roofs and Walls to enhance biodiversity in Slovenia

Mag. Boštjan Kavčič

GOZELENJENA IURBANA IZ INFRASTRUKTURA

Slovenian Urban Green Infrastructure Association

- Established in 2019 to promote UGI
- Member of World Green Infrastructure Association
- Key purpose:
  - effectively promote UGI on all levels (general public, at the national and municipal levels),
  - facilitate consistent approach to UGI strategies through guidelines for good implementation of UGI,
  - support and guide external partners in the effective delivery of sustainable green infrastructure,
  - inspire through best practice examples and case studies of green infrastructure planning and delivery

GOZELENJENA IURBANA ZINFRASTRUKTURA

Urban Green Infrastructure legislation in Slovenia

- Currently no national legislation supporting green roof and green wall implementation.

- Draft long term climate strategy of Slovenia till 2050 currently in public discussion
  - it talks about natural based solutions in the cities
  - but needs much more ambitions to enhance urban areas*

- Some cities try to regulate it but without proper performance requirement:
  - Capital Ljubljana for buildings bigger than 400 m2 requires mandatory green roofs
  - Kranj (3rd biggest city in SLO) is setting up the strategy for green roofs…

Biodiversity projects in Slovenia
Residential projects to fit with the nature

Befor and after instalation of green roof

Residential projects where people want to live in harmony with nature, improve living comfort, reduce heat loss and overheating of the building and reduce cost of heating.

GOZELENJENA IURBANA ZINFRASTRUKTURA

Biodiversity projects in Slovenia
Residential projects to fit with the nature

Many residential projects where people want to see green over gray or black.
But it is not only aesthetic - they also want to see life (bees, butterflies, birds) when they look out through the window.

GOZELENJENA IURBANA Z INFRASTRUKTURA

Biodiversity projects in Slovenia
Residential projects to fit with the nature

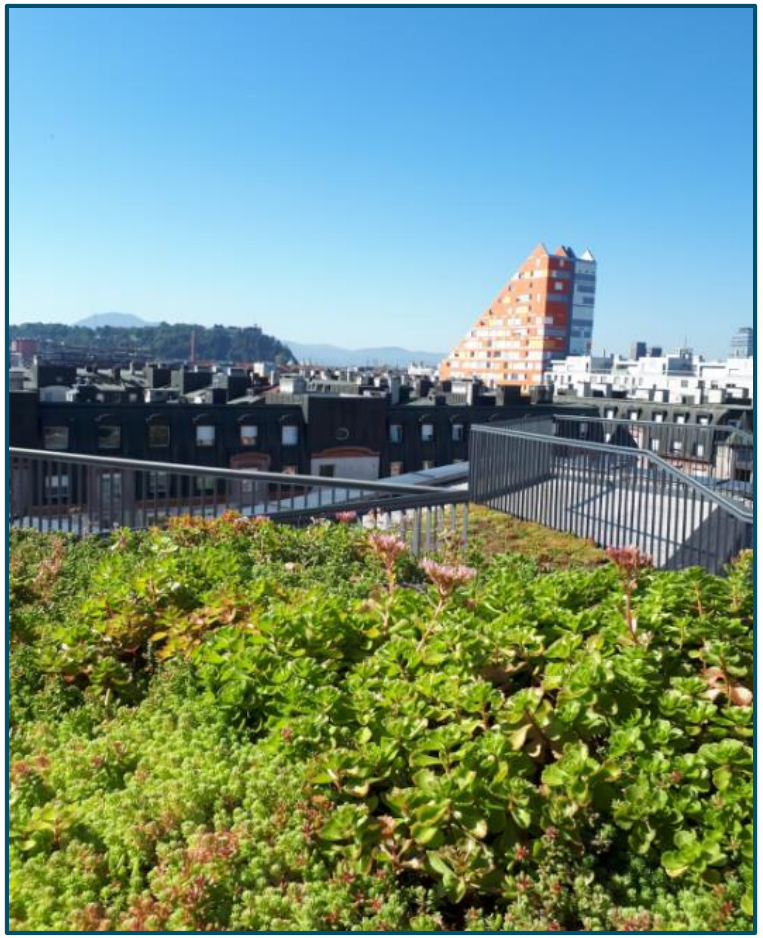
Befor and after instalation of green roof

Many canopies, sheds, terraces, carport where people want to improve live standard and reduce overheating of urban areas.
Summer temperature in „urban jungle“ could be up to 5°C higher as on countryside.

GOZELENJENA IURBANA Z INFRASTRUKTURA

Biodiversity projects in Slovenia
Big commercial and industrial areas

The development of green roofs on top of big commercial and industrial roofs is clearly happening where legislation is in place.



GOZELENJENA IN URBANA Z INFRASTRUKTURA

Biodiversity projects in Slovenia
Big commercial and industrial areas

Befor and after instalation of green roof

Biodiversity projects in Slovenia
Urban Gardening and Beekeeping

*Source: www.Ljubljana.si

School Urban Gardening projects as well as Urban Beekeeping is becoming extremely popular.

GOZELENJENA IURBANA Z INFRASTRUKTURA

Biodiversity projects in Slovenia
Ljubljana – Green Capital of Europe 2016

Ljubljana Green Capital of Europe in 2016 was promoting green roofs and green walls as good example of promoting green in the cities in order to enhance biodiversity in dense urban areas.

Biodiversity projects in Slovenia
Urban Green Infrastructure on the move

„Ljuba and Drago“ social project of Zeleni Zmaji NGO also promoting UGI and its importance to local communities.

GOZELENJENA IURBANA Z INFRASTRUKTURA

Biodiversity projects in Slovenia
Center promoting Green Roofs and Walls

Extensive Green Roof with biodiversity island on KI Experience Center is a polygon to investigate amount of pollinators being attracted by this rooftop garden. The research is performed in dense urban & industrial area by Slovenian National Institute for Biology.

*Pictures by Danilo Bevk, NIB

GOZELENJENA IURBANA Z INFRASTRUKTURA

Q & A

For more detailed explanation get in contact:

Bostjan.Kavcic@zelenainfrastruktura.si

GOZELENJENA IURBANA ZINFRASTRUKTURA