



Living Lab Turin, Italy

NBS description

The NBS consists of two implemented green walls in the Mirafiori Sud district:

1. Indoor green wall (20 m²) in the atrium of the elementary school IC Cairoli lit by large roof windows.
2. Outdoor green wall (80 m²) of a homeless shelter build as self-supporting structure, owned by the City of Turin and managed by a social cooperative.

Organisation of place-based educational activities and experiential learning to provide information, raise awareness of the benefits of green walls for pupils and the hosts of the shelter. Improving indoor and outdoor aesthetics as well as better insulation of the homeless shelter has been achieved by the NBS implementation.

Aim & goals

- Intended as replicable examples in urban environments
- To spread knowledge about NBS and benefits in schools and to other users of the buildings, hence raising awareness of the importance of plants in everyday life
- To collaborate with schoolteachers and the shelter staff for organising activities that support the learning of “science” disciplines, as well as Italian language skills, civic education and social studies.
- Social inclusion of marginalized groups of homeless

Target groups (beneficiaries)

- Students, teachers, parents of the school
- Users and staff of the homeless shelter

Main responsible partner

City of Turin

Contact

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Outdoor wall at homeless shelter



Indoor wall at primary school

Areas of implementation

Indoor green wall at Cairoli primary school installed, Via Torrazza Piemonte

GPS coordinates: 45.019222, 7.608875

Outdoor green wall at shelter for homeless, Corso Tazzoli

GPS coordinates: 45.032972, 7.633774

ProGireg partners involved

Polytechnic di Torino (Department of Environment, Land and Infrastructure Engineering – DIATI)

University of Turin (Department of Life Sciences and Systems Biology, DBIOS and Department of Agricultural, Forest and Food Sciences, DISAFA)

Other stakeholders involved

- Teachers and alumni of Cairoli primary school
- NGO managing the shelter: Stranaidea Impresa Sociale Onlus (<https://www.stranaidea.it>)
- Construction company Verde Profilo (<https://verdeprofilo.com/it>)

Implementation budget

Total implementation budget and proGireg funds:
 40.000€

Timeframe

Start
 June 2019



Completion
 December 2021