



TAVOLO TECNICO

Risanare con le strutture prefabbricate in legno: dal progetto al cantiere Sinfonia

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This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 609019

Bolzano, 14.09.2018

Ordine del giorno

- 15.00 Saluti e presentazione degli obiettivi dell'incontro
- 15.10 Progetto FP7 Sinfonia (Agenzia CasaClima, Ing. Martina Demattio)
- 15.20 Panoramica sulle tecnologie (Eurac, Ing. Stefano Avesani)
- 15.30 La progettazione della facciata prefabbricata: dalle stratigrafie ai dettagli (Arch. Alberto Sasso)
- 16.00 La prefabbricazione e cantierizzazione: pro e contro (Arch. Manuel Benedikter)
- 16.30 Discussione
- 17.00 Visita ai laboratori del NOI Techpark (camera climatica indoor) (Eurac)

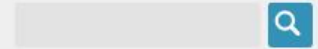
Bolzano retrofit goals for SINFONIA

www.sinfonia-smartcities.eu



| Low Carbon Cities for Better Living

[Private Area ▶](#)



Bolzano

Bolzano retrofit goals for SINFONIA

| MAIN FIGURES | |
|--------------|--------------------------------|
| Total Budget | 43 Mln Euro |
| EU | 28 Mln Euro (8 Mio Bolzano) |
| Duration | 6 years started 01.06.2014 |
| Partners | 26 partners |

| Pilot Cities

At the heart of SINFONIA is a close and long term collaboration between TWO pioneer cities and FIVE early adopter cities representing a wide variety of regulatory environments and climate zones.

SMALL AND MEDIUM SMART CITIES



The map displays the locations of the pilot cities: Sevilla (Spain), La Rochelle (France), Bolzano (Italy), Innsbruck (Austria), Borås (Sweden), Rosenheim (Germany), and Pafos (Cyprus). Bolzano is highlighted with a green circle, indicating its role as a pioneer city.

Bolzano retrofit goals for SINFONIA



Città di Bolzano
Stadt Bozen



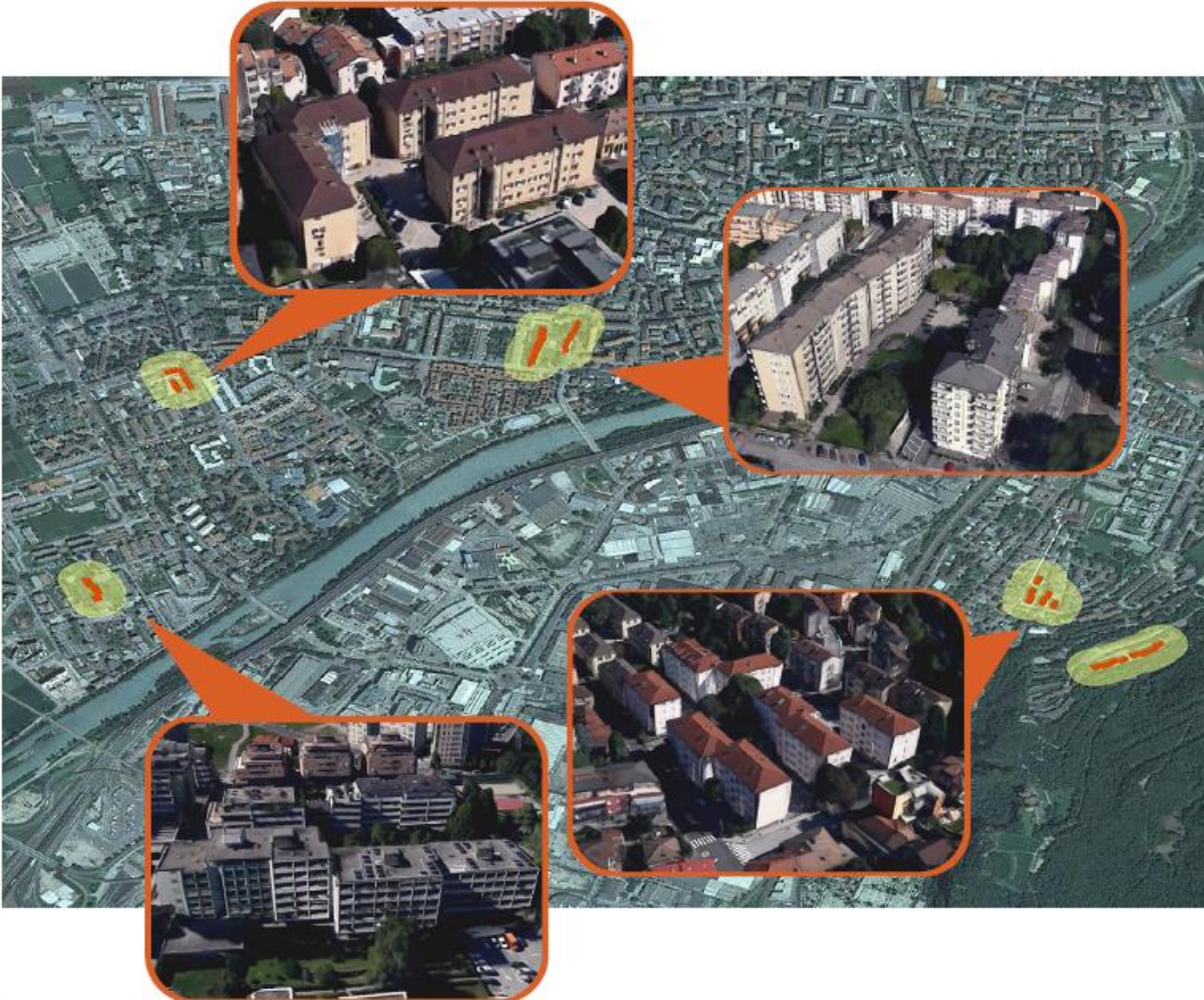
Sinfonia
Bolzano
partnership



ISTITUTO PER L'EDILIZIA SOCIALE DELLA PROVINCIA AUTONOMA DI BOLZANO



Bolzano retrofit goals for SINFONIA



Bolzano retrofit goals for SINFONIA

Via Cagliari - Brescia

1 existing building:

- Energy efficiency
CasaClima class G
(228 kWh/m²y)

- 106 flats



IPES

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Sinfonia

Bolzano retrofit goals for SINFONIA

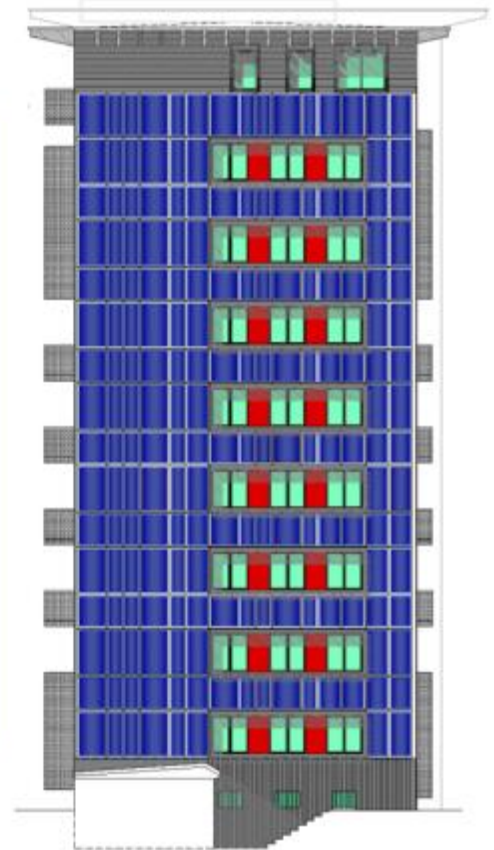
Via Cagliari - Brescia

After renovation

- CasaClima class A
(21 kWh/m²y)
- district heating
connection
- multifunctional façade
(solar thermal)
- one additional storey,
10 new flats



Studio Tecnico Vettori



Bolzano retrofit goals for SINFONIA



VIA BRESCIA, COMPLETED CONSTRUCTION UNITS AND LAST REFURBISHMENT WORKS (PHOTO: GARAVAGLIA)



IPES

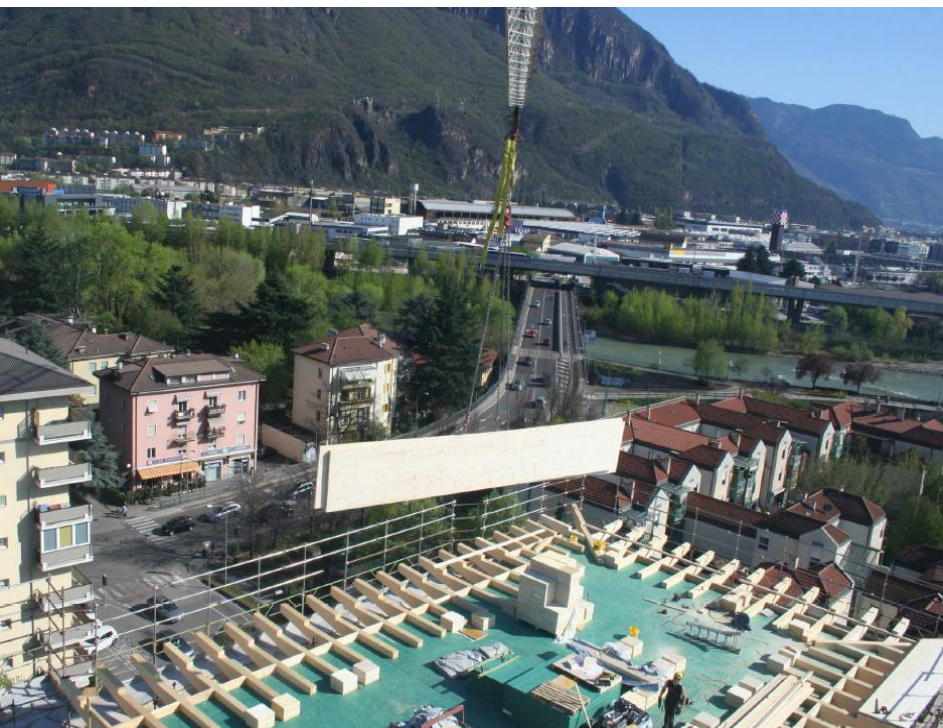
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Sinfonia

Bolzano retrofit goals for SINFONIA

Utilizzo bonus cubatura



Bolzano retrofit goals for SINFONIA

Via Similaun

1 existing building:

- Energy efficiency
CasaClima class G
(228 kWh/m²y)

- 59 flats



Bolzano retrofit goals for SINFONIA

Via Similaun

After renovation:

-CasaClima class A
(21 kWh/m²y)

- district heating
connection



Area Architetti Associati

Bolzano retrofit goals for SINFONIA

Via Palermo

1 existing building:

- Energy efficiency
CasaClima class G
(228 kWh/m²y)

- 38 flats



Bolzano retrofit goals for SINFONIA

Via Palermo

After renovation

- CasaClima class A
(21 kWh/m²y)
- district heating
connection



Laboratorio di Architettura

Bolzano retrofit goals for SINFONIA

Passeggiata dei Castani

2 existing buildings:

- Energy efficiency
CasaClima class G
(201 kWh/m²y)
- 72 flats



Bolzano retrofit goals for SINFONIA

Passeggiata dei Castani

After renovation

- CasaClima class A
(20 kWh/m²y)
- geothermal heat
pump for heating
- multifunctional
prefabricated facade



Studio Mellano Associati (TO)
Arch. Alberto Sasso, arch. Gerhard Kopeinig, arch. Manuel Benedikter, Studio Vettori

Bolzano retrofit goals for SINFONIA

Production of wooden prefabricated facades



Bolzano retrofit goals for SINFONIA

Via Aslago

4 existing buildings:

- Energy efficiency
CasaClima class G
(228 kWh/m²y)
- 86 flats



Bolzano retrofit goals for SINFONIA

Via Aslago

After renovation

- CasaClima class A
(21 kWh/m²y)
- centralized biomass boiler
- green roof
- one additional storey,
+ 14 new flats



Area Architetti Associati

Next events

WP6 Local Stakeholder involvement, evaluation & follow up in demo cities

| | | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------|
| 14.11.2018 | CasaClima R, dalla teoria alla pratica: deep retrofit degli edifici plurifamiliari nell'ambito del progetto EU FP7 SINFONIA | 8:30-12:30 NOI Techpark | Corso gratuito in lingua italiana con crediti |
| 27.11.2018 | KlimaHaus R, von der Theorie zur Praxis: Deep Retrofit von Mehrfamilienhäusern im Rahmen des EU-Projekts SINFONIA | 8:30-12:30 NOI Techpark | corso gratuito in lingua tedesca con crediti |
| 12.12.2018 | Risanare con le strutture prefabbricate in legno: dal progetto al cantiere Sinfonia | 8:30-13:00 14:00-15:00 (visita laboratori) NOI Techpark | corso gratuito in lingua italiana con crediti |



Thank you for your attention!

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