

**AFTER THE DAMAGES**  
Winter Focus

**CLUST-ER BUILD**  
EDILIZIA E COSTRUZIONI

**Interreg**  
Italy - Croatia  
**FIRESPILL**  
European Regional Development Fund



**DIGITAL & BIM Italia**

Advanced training focus - [Online event](#)

# BIM&Digital Innovation and digital transformation of the built environment

The International Academy After the Damages, the Clust-ER BUILD and the Firespill Project - Interreg Italy-Croatia collaborate with the BIM&Digital Award 20 for the Winter Focus 2020 scheduled for the days of 1<sup>st</sup>, 2<sup>nd</sup> and 15<sup>th</sup> December focusing on BIM and Digital. At the end of the three intensive days, the Award ceremony of the BIM&Digital Award 20 will be held, an international competition for design and digitization of the BIM process.



**TekneHub**



raise>up



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# BIM&Digital Innovation and digital transformation of the built environment

**Organized by** After the Damages International Academy, University of Ferrara, Department of Architecture, University of Modena and Reggio Emilia, Department of Engineering, University of Parma, Department of Engineering and Architecture;  
Clust-ER BUILD, Clust-ER Building and Construction, High Technology Network of Emilia-Romagna;  
“Firespill” project, Interreg Italy-Croatia, Emilia-Romagna Region, European Policy Coordination Service, Programming, Cooperation and Evaluation;  
Agency for Reconstruction – 2012 Earthquake, Emilia-Romagna Region.

**In collaboration with** BIM&Digital Award 20

**1st December 2020 · 14:00-18:00**

BIM: tools for governance, project innovation and territorial development

**2nd December 2020 · 14:00-18:00**

Integrated digital technologies for the intervention on the existing built heritage

**15th December 2020 · 9:30-13:00**

Innovation and project: BIM, digitization and social innovation

**BIM&Digital Award 20**

**15th December 2020 · 14:00-18:00**

Award Ceremony

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**1<sup>st</sup> December 2020 - 14:00-18:00 (Italy time)**

# BIM: tools for governance, project innovation and territorial development

## Introduce and moderate

**Marcello Balzani**, University of Ferrara, Department of Architecture, *After the Damages International Academy*

**Stefania Leoni**, European Policy Coordination, Programming, Cooperation and Evaluation Service, Emilia-Romagna Region; ART-ER, Attractiveness, Research and Territory

## The role of the Ministry for the new challenges of digitization

**Pietro Baratono**, Head Department Infrastructures, Systems Informative and statistical of the Ministry of Infrastructures and the Transports

## Digitisation of Cultural Heritage, scenarios and perspectives

**Laura Moro**, Central Institute for the Digitisation of Cultural Heritage – Digital Library, Ministry of Cultural Heritage and Activities and Tourism

## PolIT0 Observatory: BIM and InfraBIM for governance, project and public procurement. Experiences in Turin and the Piedmont Region

**Anna Osello**, Information Technology Strategies Commission, Politecnico of Torino, DISEG – Department of Structural Engineering, Construction and Geotechnics

## Governance and innovation in the seismic risk cycle – the Eucentre management approach

**Fabio Germagnoli**, General Director of EUCENTRE Foundation, President SCC Cluster Lombardy

## Research and Enterprise: the ecosystem of the Emilia-Romagna Region

**Morena Diazzi**, General Manager Economics of knowledge, work and enterprise, Emilia-Romagna Region

## BIG DATA and Artificial Intelligence: new scenarios for regional technological growth

**Patrizio Bianchi**, University of Ferrara and International Big Data and Artificial Intelligence Foundation for Human Development



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**2<sup>nd</sup> December 2020 - 14:00-18:00 (Italy time)**

# Integrated digital technologies for the intervention on the existing built heritage

## Introduces and moderates

**Marcello Balzani**, University of Ferrara,  
Department of Architecture, *After the Damages*  
*International Academy*

## The impact of Industry 4.0 and BIM on existing built heritage

**Cettina Santagati**, University of Catania,  
Department of Civil Engineering and  
Architecture

**Cecilia Bolognesi**, Politecnico di Milano,  
Department ABC

## Digitalization and construction sector: scenarios and standards

**Paolo Odorizzi**, Technical Director  
Harpceas s.r.l.

## BIMplement and BEEP projects (Bim for Energy Efficiency in the Public Sector)

**Lucía Ramirez Pareja**, Coordinator of the BEEP project in Spain - Architect. International RDI Department. IVE (Valencia Institute of Building)

## Tools for the existing built heritage project: FAU of Vilanova Artigas in USP, San Paulo, Brazil

**Claudia Olivera, Fabio Gallo**, Faculdade De Arquitetura e Urbanismo da Universidade de São Paulo

## Digital photogrammetric aerial survey of the calidarium, Salamis, Cyprus

**Alessandro Camiz**, Özyeğin University, Istanbul  
**Marika Griffo**, "Sapienza", University of Rome  
**Alessandra Tedeschi**, Sovrintendenza Capitolina ai Beni Culturali

## Technologies for the digitisation of the supply chain

**Marco Labate**, 3D Image Division Manager,  
Trimble Geospatial



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**15<sup>th</sup> December 2020 - 9:30-13:00 (Italy time)**

# Innovation and project: BIM, digitization and social innovation

**Introduces and moderates within the framework of the Value Chain Conservation and Enhancement of Heritage Built, Historical and Artistic (INNOVA-CHM)**

**Marcello Balzani**, Clust-ER BUILD, Emilia-Romagna High Technology Network

**The eBIM project: existing Building Information Modeling for the management of the intervention on the existing built heritage**

**Chiara Vernizzi**, CIDEA, Interdepartmental Centre for Energy and the Environment, University of Parma

**eBIM: from the integrated survey of the existing to the digital representation in BIM environment. The role of case studies**

**Roberto Mazzi, Massimo Cotti**, CIDEA, Interdepartmental Centre for Energy and the Environment, University of Parma

**eBIM: from surveying to structural modelling for the assessment of building safety**

**Claudio Mazzotti, Francesca Ferretti**, CIRI, Interdepartmental Centre for Industrial Research, Building and Construction, Alma Mater Studiorum – University of Bologna

**eBIM: protocols of survey and representation for the intervention on the existing built heritage. The case study of the Teatro Borgatti**

**Fabiana Raco**, Teknehub Laboratory, University of Ferrara

**BIM: integrated digital models for the existing BIM. Ceramic materials**

**Barbara Mazzanti**, Ceramic Centre

**eBIM: the role of materials and components in the implementation of the semantic database and eBIM platform**

**Luca Laghi**, CertiMaC

**Monitoring of built heritage: tools and methods**

**Alessandro Capra, Cristina Castagnetti**, CRICT, Interdepartmental Research and Services Centre in the Construction and Territorial Sector of the University of Modena and Reggio Emilia

**Digital instruments for the regeneration value-chain (DI4R)**

**Sandra Dei Svaldi**, Larcoicos, Consorzio RiCos

**Public housing: from management to social innovation**

**Marco Corradi**, President of ACER Reggio Emilia

**Digitalization and built heritage: Public Residential Building and BIM innovation**

**Cecilia Bolognesi**, Politecnico of Milan, Department ABC

**Tools for social innovation**

**Gianni Lodi, Ilaria Fabbri**, Raise>Up spin off

**Digitisation tools: block-chain technology**

**Gianluca Cristoforetti**, GFT Italy



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**15<sup>th</sup> December 2020 - 14:00-18:00 (Italy time)**

## BIM&Digital Award 20 | Award Ceremony

Award of the finalists and proclamation of the winners of the Fourth Edition of the **BIM&Digital Award 20**, dedicated to the promotion of innovation and digital transformation of the built environment.

The award has been renewed with three new categories dedicated to the digitization of P.A, industrial research, such as projects financed by direct EU funds type Horizon2020, or indirect funds such as POR FESR, and also a category aimed at developing solutions, digital systems and technologies that have offered a positive and tangible response to the problems that arose with the Covid 19 pandemic.

### Introducono

**Emilio Bianchi**, General Director SENAF

**Marcello Balzani**, President Clust-ER BUILD

**Angelo Ciribini**, President of the Jury  
BIM&Digital 20

### Presentation of the finalist projects and announcement of the winners

**Antonella Grossi**, Councillor of the Order of Architects of Bologna

**Silvia Rossi**, Clust-ER BUILD Manager

### Prize Categories

1. Commercial, tertiary and large buildings
2. Public Buildings
3. Infrastructures
4. Small projects
5. Restoration and enhancement of heritage
6. BIM initiative of the year
7. Digital technologies for the construction process
8. Research (thesis, doctorate or master's degree, ...)
9. Industrial research
10. Digital & Covid
11. PA and Digitalization

### The jury Members

**Angelo Ciribini (President of the jury)**, University of Brescia

**Marco Aimetti**, National Council of Architects Planners Landscape Conservationists

**Marcello Balzani**, University of Ferrara, Clust-ER BUILD

**Gabriele Bitelli**, University of Bologna

**Giovanni Cardinale**, National Council of Engineers

**Edoardo Cosenza**, University of Naples

**Matteo Del Giudice**, Politecnico di Torino

**Simone Garagnani**, BIM Foundation Bologna

**Andrea Giordano**, University of Padua

**Marco Giubilini**, ANCI, Territorial government and digitalization

**Antonella Grossi**, Order of Architects of Bologna

**Marco Mari**, Green Building Council Italia

**Silvia Mastrolembo Ventura**, University of Brescia

**Michele Ottomanelli**, Technical Director of SAIE

**Luca Ribichini**, University of Rome

**Francesco Ruperto**, University of Rome

**Maurizio Savoncelli**, CNGeGL

**Chiara Vernizzi**, University of Parma



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