

Energy Efficient Buildings & NEB Matchmaking and Study Visit

11-13 MARCH 2026
BRUSSELS

laSalle

UNIVERSIDAD RAMON LLULL

we love challenge

Dr. Ricardo Devesa

Researcher at
HER, LA SALLE BCN (FUNITEC)

HORIZON
europe

NCBR
National Contact Point
for EU Research Programmes


**Industry
Contact
Point**
Low-emission
Technologies
and Clean Energy

NCBR
National Centre for Research
and Development

HORIZON
europe

HUMAN-ENVIRONMENT RESEARCH GROUP (HER)

LA SALLE CAMPUS BARCELONA – UNIVERSITAT RAMON LLULL (URL)

Private non-profit university institution within the Ramon Llull University network, combining **technology, architecture, engineering and social sciences.**

56

Researchers

Officially recognized research groups by the Catalan Government

42

PhDs

20

Multidisciplinary Research Lines

144

Competitive Projects

8 EU competitive (1.27M€)
19 National competitive (443k€)
76 Other grants (573k€)
41 Private - Knowledge&Tech transfer (753k€)

EUR 3.04M€

Value of projects

Main Areas of Activity & Expertise

Built environment & sustainable living environments
Artificial Intelligence & Data Science
Human-computer interaction
Smart cities & urban systems
ICT & cloud infrastructures
Educational technologies & user experience

H2020 & FP7

EU Experience

Driven Regenerative Transformation of European Built Environments

La Salle Barcelona is coordinating integrative, design-led proposals linking regenerative frameworks with real demonstrators for climate-adaptive, circular and socially inclusive housing and neighbourhoods.

HORIZON-NEB-2027-01-REGEN-02

REGENEU HOUSING

A Climate-Responsive Regenerative Framework for European Social Housing Transformation

Subject: Development and demonstration of climate-adaptive regenerative social housing retrofits integrating circularity, wellbeing and community co-creation across European climates.

Main Objectives: Develop a scalable regenerative retrofit framework combining climate-responsive design, bio-based circular systems, social inclusion and digital performance monitoring.

Innovative Aspects: Climate-modular retrofit kits integrating bio-based prefabrication, digital twins, embodied carbon tracking and participatory Living Labs across diverse bioclimatic regions.

Expected Results & Impacts: ReGen EU Housing Toolkit enabling climate-positive social housing, reduced carbon emissions, improved comfort and wellbeing, and scalable NEB-aligned replication.

Seeking: Cities, housing authorities, architects, circular SMEs, digital experts, financiers, civil society co-design partners.

HORIZON-CL5-2027-05-D4-07

DORFLIFE

Digitalised Open Regenerative Framework for Life-Cycle Circular Renovation of European Buildings

Subject: Development and demonstration of advanced life-cycle assessment frameworks integrating circularity to optimise building renovation impacts across Europe.

Objectives: Co-create and validate an enhanced LCA modelling framework integrating reuse, repair, recycling and whole-life carbon assessment, tested through diverse European renovation case studies.

Innovation: Go beyond EN 15978 by incorporating dynamic material flows, circular loops and full lifecycle operational emissions tracking.

Demo: Implementation in at least three real renovation projects across different EU regions.

Impact: Open circular LCA toolkit enabling reduced resource use, emissions and net-zero renovation pathways.

Seeking: Cities, owners, developers, SMEs, researchers, policymakers.

HORIZON-NEB-2026-01-PARTICIPATION-02

CLIMABELONG

Climate-Responsive Spatial Design for Inclusive Neighbourhood Transformation

Subject: Development and demonstration of transdisciplinary, evidence-based spatial design framework integrating climate resilience, social equity and multisensory perception in neighbourhood public spaces.

Objectives: Develop replicable spatial design protocol integrating climate risk, equity, safety and green-blue infrastructure.

Innovation: Adaptive relational infrastructures combining geospatial climate-risk mapping, socio-spatial vulnerability profiling, multisensory assessment and participatory co-design.

Expected Results & Impacts: Spatial Climate-Justice Toolkit enabling reduced climate inequalities, improved adaptation, safety, belonging and scalable NEB implementation.

Seeking: Cities, universities, health institutes, housing managers, investors, policy labs, digital SMEs, civil society organizations.

Expression of Interest

Driven Regenerative Transformation of European Built Environments

We aim to advance New European Bauhaus values by delivering beautiful, sustainable and inclusive regenerative renovation and spatial design solutions scalable across diverse European contexts.

- **Areas of expertise we bring:** We bring expertise in regenerative, climate-adaptive architecture, circular renovation and whole-life carbon assessment, integrating spatial climate-risk mapping, social vulnerability analysis, participatory co-design, digital twins, and NEB-aligned innovation frameworks.
- **Contribution proposed:** We propose to coordinate from La Salle Barcelona, leading methodological integration across design, LCA and spatial justice, implementing Living Labs and demonstrators, and delivering toolkits, digital platforms and replication roadmaps.
- **Partners sought / Partners already involved:** We are connected with partners in Denmark, Finland, Germany, Netherlands, Poland, Bulgaria, Lithuania and Italy, and seek cities, housing authorities, SMEs, researchers, policy labs, investors and civil society partners.