



# Delivering sustainable and affordable housing in Europe

**Leandro Madrazo**

Project Coordinator  
School of Architecture La Salle  
Ramon Llull University  
Barcelona, Spain



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# The challenges of affordable and sustainable housing

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Informal conference of EU Ministers  
responsible for Housing  
Declaration of the Ministers  
Nice, 8 March 2022

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- “Providing homes of good quality which are well connected (including green infrastructures and smart buildings), situated in mixed-use, compact and dense areas with a high-quality living environment and which are close to working areas”
- “Additional housing supply takes into account criteria such as **qualitative spatial efficiency** based on an **integrated urban development approach**, while actively reducing land take and containing urban sprawl”

# The challenges of affordable and sustainable housing

- “Increasing the **affordability** of housing is dependent on the supply of **new or renovated quality** housing“

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# The challenges of affordable and sustainable housing

- “Increasing the affordability of housing is dependent on the supply of new or renovated quality housing“
- “Defining, together with local and regional authorities, strategies to increase the availability of **affordable, well connected, decent, energy-efficient, decarbonised, sustainably designed, accessible and resilient housing, situated in socially mixed neighbourhoods.**“

Informal conference of EU Ministers  
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**A  
transdisciplinary  
research  
framework on  
affordable and  
sustainable  
housing**

Affordable and sustainable housing needs to be approached from a transdisciplinary perspective, involving multiples domains and disciplines, experts and non-experts.

# A transdisciplinary research framework on affordable and sustainable housing

However, affordability and sustainability of housing have been addressed separately, and from various disciplinary perspectives (e.g. architecture and planning, economics, sociology) and realms (e.g. policy-making, sustainable development, urban planning, green building).

A  
transdisciplinary  
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RE-DWELL will develop an integrated research framework for affordable and sustainable housing **to train a new generation of professionals with the skills which are needed to address the urgent need of affordable and sustainable housing**, from a transdisciplinary perspective.

# Training a new generation of professionals to face the challenges of affordable and sustainable housing

“The Egan Review: Skills for Sustainable Communities” (2004):

The “generic skills, behaviour and knowledge” needed by all of those (local authority staff, staff from regional and central government, developers, and built environment professionals), who play a role in delivering sustainable communities in these terms:

- “ability to create a vision, leadership to achieve buy-in to the vision, communication, teamworking, project management, process reengineering”
- “understanding sustainable development, effective financial management”
- “ understanding the economics of development and the processes of local democracy”

# Consortium

The consortium consists of

- 10 academic beneficiaries
- 12 partner organisations

representing 9 countries :  
Belgium, Croatia, Cyprus,  
France, Hungary, Netherlands,  
Portugal, Spain and United  
Kingdom.

Architecture  
Economics  
Urban Planning  
Sociology  
Social Policy

## Beneficiaries:

- B1** La Salle – Ramon Llull University, Barcelona  
SPAIN (Coordinator)
- B2** Université Grenoble Alpes, Grenoble  
FRANCE
- B3** University of Sheffield  
UK
- B4** University of Zagreb  
CROATIA
- B5** Hungarian Academy of Sciences Budapest  
HUNGARY
- B6** University of Cyprus, Nicosia  
CYPRUS
- B7** Polytechnic University of Valencia  
SPAIN
- B8** TU Delft  
NETHERLANDS
- B9** University Institute of Lisbon  
PORTUGAL
- B10** University of Reading  
UK

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Sociology  
Social Policy

Social organizations  
Housing associations  
Public/private housing  
developers  
Construction companies  
Local administrations

## Partner Organisations:

### PO1

Lisbon City  
Council,  
PORTUGAL

### PO2

Sustainable  
Towns, SPAIN

### PO3

Budapesti  
Módszertani  
Szociális Központ  
HUNGARY

### PO4

Ceraneo,  
CROATIA

### PO5

Institut Català  
del Sol, SPAIN

### PO6

Clarion  
Housing  
Group, UK

### PO7

Casais,  
PORTUGAL

### PO8

Cyprus Land  
Development  
Corporation,  
CYPRUS

### PO9

South Yorkshire  
Housing  
Association  
Ltd, UK

### PO10

European  
Federation  
for Living,  
BUDAPEST

### PO11

Housing  
Europe,  
BELGIUM

### PO12

Városkutatás  
Kft, HUNGARY

# Early-Stage Researchers

15 ESRs from 10 countries:  
Colombia, Croatia, Cyprus,  
Egypt, Greece, Hungary,  
Netherlands, Spain, Syria, and  
United Kingdom



**ESR1**

Annette Davis

La Salle-URL



**ESR2**

Saskia Furman

La Salle-URL



**ESR3**

Christopher Verrier

Université Grenoble Alpes



**ESR4**

Aya Elghandour

University of Sheffield



**ESR5**

Mahmoud Alsaeed

University of Sheffield



**ESR6**

Marko Horvat

University of Zagreb



**ESR7**

Anna Martin

Hungarian Academy of Sciences



**ESR8**

Andreas Panagidis

University of Cyprus



**ESR9**

Effrosyni Roussou

University of Cyprus



**ESR10**

Zoe Tzika

Polytechnic University of Valencia



**ESR11**

Tijn Croon

TU Delft



**ESR12**

Alex Fernández

TU Delft



**ESR13**

Androniki Pappa

University Institute of Lisbon



**ESR14**

Carolina Martín

University Institute of Lisbon

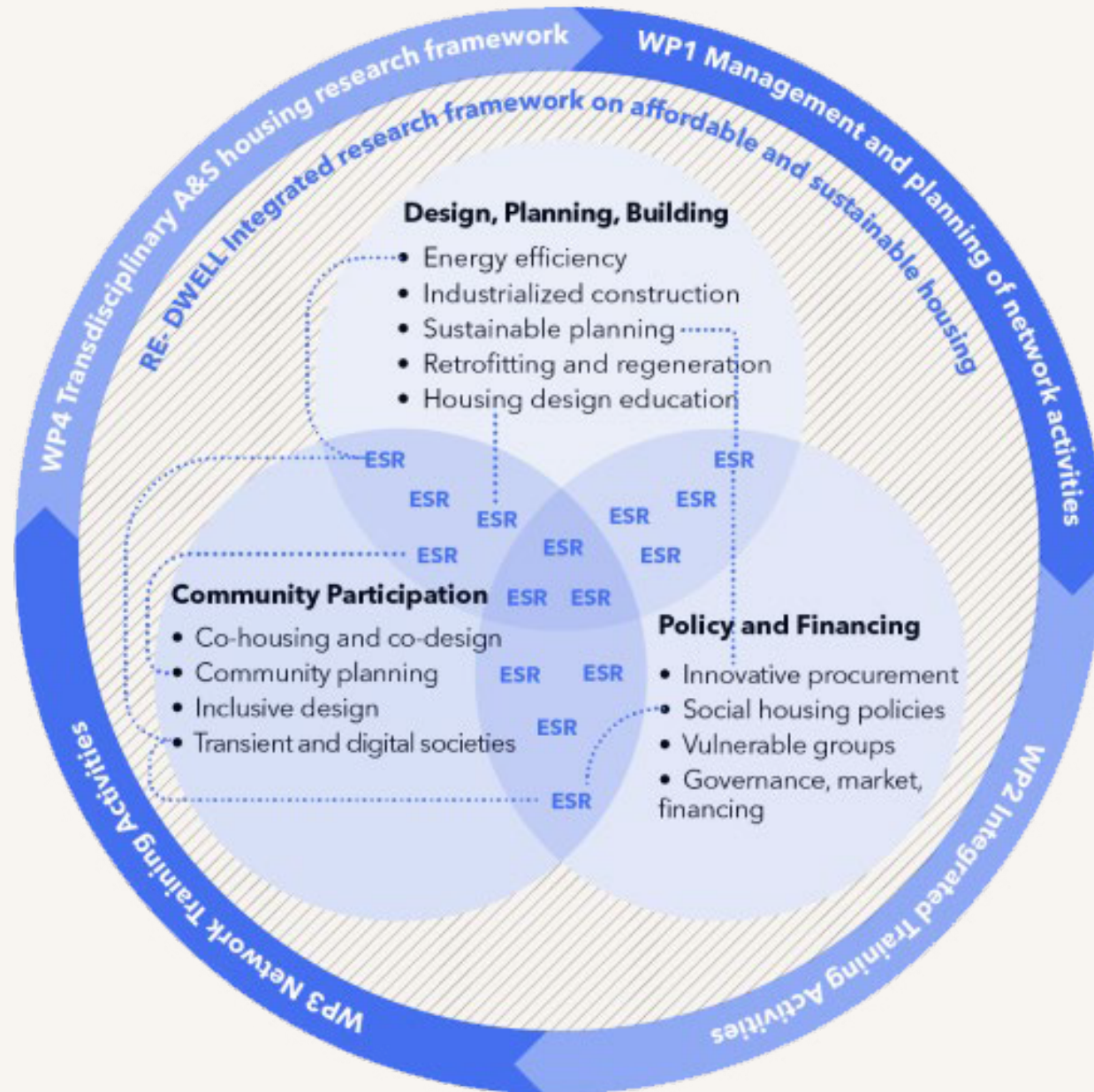


**ESR15**

Leonardo Ricaurte

University of Reading

A holistic, transdisciplinary framework will reveal the links between social, economic and environmental factors in the provision of affordable and sustainable housing.





### ESR 1

DESIGN, PLANNING AND BUILDING

#### Design and construction of energy efficient housing using industrialized methods

School of Architecture La Salle, Ramon Llull University, Barcelona, Spain

[Read more →](#)

### ESR 2

DESIGN, PLANNING AND BUILDING

#### Adapting existing social housing to the needs of today's dwellers

School of Architecture La Salle, Ramon Llull University, Barcelona, Spain

[Read more →](#)

### ESR 3

POLICY AND FINANCING

#### Housing governance beyond city boundaries

Université Grenoble Alpes, Pacte - Laboratoire de sciences sociales, Grenoble, France

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### ESR 4

DESIGN, PLANNING AND BUILDING

#### Lifecycle cost analysis and socioeconomic impact of existing social housing construction methods

School of Architecture, University of Sheffield, Sheffield, United Kingdom

[Read more →](#)

### ESR 5

DESIGN, PLANNING AND BUILDING

#### Environmental sustainability of future social housing

School of Architecture, University of Sheffield, Sheffield, United Kingdom

[Read more →](#)

### ESR 6

POLICY AND FINANCING

#### Comparative analysis of social housing policies' modernization impacts in selected post-socialist countries

Institute for Social Policy, Faculty of Law, University of Zagreb, Croatia

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### ESR 7

POLICY AND FINANCING

#### Housing crisis and its impact on adequate housing

Institute for Sociology, Centre for Social Sciences, Hungarian Academy of Sciences Centre of Excellence, Budapest and Faculty of Social Sciences, Eötvös Loránd University, Budapest, Hungary

[Read more →](#)

### ESR 8

COMMUNITY PARTICIPATION

#### Urban living labs and the role of users in the co-creation of sustainable housing

Department of Architecture, University of Cyprus, Nicosia, Cyprus

[Read more →](#)

### ESR 9

DESIGN, PLANNING AND BUILDING

#### The challenge of change in living environments: implications and opportunities for architectural education

Department of Architecture, University of Cyprus, Nicosia, Cyprus

[Read more →](#)

### ESR 10

COMMUNITY PARTICIPATION

#### Sustainable neighbourhoods and co-creation

School of Architecture, Universitat Politècnica de València, Spain

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### ESR 11

POLICY AND FINANCING

#### Tensions between affordability and sustainability and the implications for vulnerable groups

Faculty of Architecture and the Built Environment, Delft University of Technology, Netherlands

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### ESR 12

POLICY AND FINANCING

#### Comparative analysis of policies for affordable and sustainable housing

Faculty of Architecture and the Built Environment, Delft University of Technology, Netherlands

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### ESR 13

COMMUNITY PARTICIPATION

#### Local development strategy and good practices of citizen participation in areas of priority intervention (BIPZIP) in Lisbon

School of Technology and Architecture, ISCTE - University Institute of Lisbon, Lisbon, Portugal

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### ESR 14

DESIGN, PLANNING AND BUILDING

#### Mass-customization of affordable and sustainable housing

School of Technology and Architecture, ISCTE - University Institute of Lisbon, Lisbon, Portugal

[Read more →](#)

### ESR 15

POLICY AND FINANCING

#### Social Evaluation of Regeneration

School of Architecture, University of Reading, United Kingdom

[Read more →](#)

15 research projects addressing the complexity of issues encompassed by affordable and sustainable housing

- Urban regeneration and building renovation
- Housing policies to support innovation
- Co-creation and co-design of neighbourhoods and living
- Industrialized construction
- Post-occupancy evaluation and housing quality
- Sustainable housing design and construction

<p><b>ESR 1</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Design and construction of energy efficient housing using industrialized methods</b></p> <p>School of Architecture La Salle, Ramon Llull University, Barcelona, Spain</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 2</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Adapting existing social housing to the needs of today's dwellers</b></p> <p>School of Architecture La Salle, Ramon Llull University, Barcelona, Spain</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 3</b> POLICY AND FINANCING</p> <p><b>Housing governance beyond city boundaries</b></p> <p>Université Grenoble Alpes, Pacte - Laboratoire de sciences sociales, Grenoble, France</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 4</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Lifecycle cost analysis and socioeconomic impact of existing social housing construction methods</b></p> <p>School of Architecture, University of Sheffield, Sheffield, United Kingdom</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 5</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Environmental sustainability of future social housing</b></p> <p>School of Architecture, University of Sheffield, Sheffield, United Kingdom</p> <p><a href="#">Read more →</a></p>
<p><b>ESR 6</b> POLICY AND FINANCING</p> <p><b>Comparative analysis of social housing policies' modernization impacts in selected post-socialist countries</b></p> <p>Institute for Social Policy, Faculty of Law, University of Zagreb, Croatia</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 7</b> POLICY AND FINANCING</p> <p><b>Housing crisis and its impact on adequate housing</b></p> <p>Institute for Sociology, Centre for Social Sciences, Hungarian Academy of Sciences, Budapest and Faculty of Social Sciences, Eötvös Loránd University, Budapest, Hungary</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 8</b> COMMUNITY PARTICIPATION</p> <p><b>Urban living labs and the role of users in the co-creation of sustainable housing</b></p> <p>Department of Architecture, University of Cyprus, Nicosia, Cyprus</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 9</b> DESIGN, PLANNING AND BUILDING</p> <p><b>The challenge of change in living environments: implications and opportunities for architectural education</b></p> <p>Department of Architecture, University of Cyprus, Nicosia, Cyprus</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 10</b> COMMUNITY PARTICIPATION</p> <p><b>Sustainable neighbourhoods and co-creation</b></p> <p>School of Architecture, Universitat Politècnica de València, Spain</p> <p><a href="#">Read more →</a></p>
<p><b>ESR 11</b> POLICY AND FINANCING</p> <p><b>Tensions between affordability and sustainability and the implications for vulnerable groups</b></p> <p>Faculty of Architecture and the Built Environment, Delft University of Technology, Netherlands</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 12</b> POLICY AND FINANCING</p> <p><b>Comparative analysis of policies for affordable and sustainable housing</b></p> <p>Faculty of Architecture and the Built Environment, Delft University of Technology, Netherlands</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 13</b> COMMUNITY PARTICIPATION</p> <p><b>Local development strategy and good practices of citizen participation in areas of priority intervention (BIPZIP) in Lisbon</b></p> <p>School of Technology and Architecture, ISCTE - University Institute of Lisbon, Lisbon, Portugal</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 14</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Mass-customization of affordable and sustainable housing</b></p> <p>School of Technology and Architecture, ISCTE - University Institute of Lisbon, Lisbon, Portugal</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 15</b> POLICY AND FINANCING</p> <p><b>Social Evaluation of Regeneration</b></p> <p>School of Architecture, University of Reading, United Kingdom</p> <p><a href="#">Read more →</a></p>

# Cross-cutting research issues

The last decades have seen a general dismantling of post-war (social) housing policies in Europe.

Financialisation and gentrification as symptoms of the commodification of the housing sector.

Nationally framed housing regimes may not be the best tool to face current challenges.

— To what extent can local regimes guide private urban development to provide affordable housing?

<p><b>ESR 1</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Design and construction of energy efficient housing using industrialized methods</b></p> <p>School of Architecture La Salle, Ramon Llull University, Barcelona, Spain</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 2</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Adapting existing social housing to the needs of today's dwellers</b></p> <p>School of Architecture La Salle, Ramon Llull University, Barcelona, Spain</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 3</b> POLICY AND FINANCING</p> <p><b>Housing governance beyond city boundaries</b></p> <p>Université Grenoble Alpes, Pacte - Laboratoire de sciences sociales, Grenoble, France</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 4</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Lifecycle cost analysis and socioeconomic impact of existing social housing construction methods</b></p> <p>School of Architecture, University of Sheffield, Sheffield, United Kingdom</p> <p><a href="#">Read more →</a></p>	<p><b>ESR 5</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Environmental sustainability of future social housing</b></p> <p>School of Architecture, University of Sheffield, Sheffield, United Kingdom</p> <p><a href="#">Read more →</a></p>
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# Cross-cutting research issues

The participation of community members is key to achieving sustainable living environments, as well as affordable housing: How do community-driven local governance influences land ownership and housing production?

— How can the challenges of affordable and sustainable housing be addressed through co-creation practices?

# Collaborative knowledge-base

- Vocabulary
- Case studies

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Home -> Knowledge base -> Vocabulary

## Vocabulary

Terms and definitions on affordable and sustainable housing \*

**A**

- Affordability
- Asset-based welfare

**B**

- BIM

**C**

- Co-creation
- Community empowerment

**H**

- Housing Governance
- Housing Regime
- Housing Retrofit

**J**

- Just Transition

**P**

- Participatory approaches

**S**

- Social sustainability

### Co-creation

Area: Community participation

In a broader sense, co-creation means the joint effort of bringing something new to fruition through acts of collective creativity (Sanders & Stappers, 2008) which can be manifested in both tangible (making something together) or intangible (learning something together) outcomes...

Created on 16-02-2022

Author: A.Panagidis (ESR8), E.Roussou (ESR9)

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Home -> Knowledge base -> Vocabulary -> Co-creation Definition

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## Co-creation

Area: Community participation

In a broader sense, co-creation means the joint effort of bringing something new to fruition through acts of collective creativity (Sanders & Stappers, 2008) which can be manifested in both tangible (making something together) or intangible (learning something together) outcomes (Puerari et al., 2018). Recently, the concepts of co-creation or co-production have been applied to describe the processes of participation in urban planning and design. Both terms place particular emphasis on the partnerships formed between citizens and the public sector, in which a high level of citizen involvement is pivotal.

Participation has been defined through its different levels of citizen involvement, ranging from non-participation to greater degrees of citizen control (Arnstein, 1969) indicating the different levels of influence a participant can have on a participatory process.

From the perspective of urban planning, citizen participation is beginning to be described as co-creation when citizens' roles become more prominent, presenting aspects of self-organisation, increased commitment and a sense of ownership of the process (Puerari et al., 2018). Recent research is exploring new methods of urban planning in which citizens, the municipality and private organisations co-create new planning rules (Bisschops & Beunen, 2019). However, co-creation along with co-production and participation, often used interchangeably, have become popular catchphrases and are considered as processes which are of virtue in themselves. Furthermore, while there is substantial research on these processes, the research conducted on the outcomes of enhanced participation remains rather limited (Voorberg et al., 2015). This highlights the ambiguity in terms of interpretation; is co-creation a methodology, a set of tools to enhance and drive a process, or a goal in itself? (Puerari et al., 2016). There have often been cases where participation, co-creation and co-production have been used decoratively, as a form of justification and validation of decisions already made (Armeni, 2016).

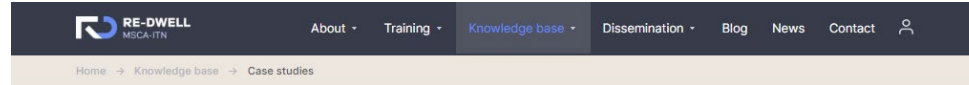
In the provision of public spaces, co-creation/co-production may specifically involve housing (Brandsen & Helderman, 2012; Chatterton, 2016) and placemaking: "placemaking in public space implies engaging in the practice of urban planning and design beyond an expert culture. Such collaboration can be described as co-creation." (Eggertsen Teder, 2019, p.290). As in participation, co-creation requires the sharing of decision-making powers, the creation of joint knowledge and the assignation of abilities between communities, while urban professionals and local authorities should draw attention to the active involvement of community members.

Furthermore, co-creation does not take place in a vacuum, but always occurs within socio-spatial contexts. This points to the objective of co-creation as a tool to influence locally relevant policy through innovation that is "place-based".

To conclude, co-creation can be perceived as a process that is both


# Collaborative knowledge-base

- Vocabulary
- Case studies




## Case Studies


Library of documented and collaboratively studied cases on affordable and sustainable housing



**LILAC\_Low Impact Living Affordable...**  
Created on 31-05-2022  
Innovative aspects of the housing design/building Based on the...  
S.Furman (ESR2)  
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**North Wingfield Road social housing complex.**  
Created on 31-05-2022  
The rapid development of modern cities continues to...  
M.Alsaeed (ESR5)  
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**A case study of the Housing Fund of the Republic of...**  
Created on 31-05-2022  
National Housing Fond of the Republic of Slovenia: from...  
M.Horvat (ESR6)  
[Read more ->](#)



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[Description](#) | [Research areas](#) | [SDG](#) | [References](#) | [Related vocabulary](#) | [Blogposts](#)

## LILAC\_Low Impact Living Affordable Community\_Leads

Created on 20-05-2022 | Updated on 31-05-2022



Owner



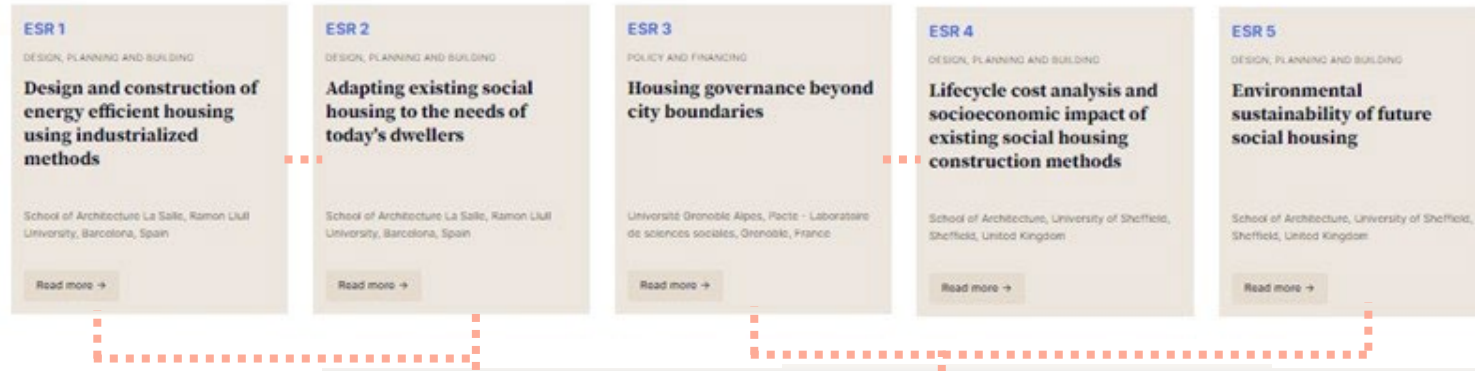
S.Furman (ESR2)

LILAC is an ecological and affordable co-housing project built on a site previously occupied by a school and purchased from the local Council in the Bramley neighbourhood of Leeds, England (Jenny Pickerill, 2015). LILAC's agenda towards social, economic, and environmental sustainability emphasises a change in lifestyle beyond a reduction in carbon emissions and improved energy performance, incorporating "economic justice, behaviour change, wellbeing, mutualism, land ownership, the role of capital and the state, and self-management" (Chatterton, 2013). LILAC is a bottom-up grassroots initiative based around co-operative governance and cohousing design (LILAC, 2021).

The community-led housing project holistically integrates three major principles: low impact living, affordability, and community. Low impact living is achieved by a combination of environmentally conscious attitudes, sharing of resources, and design-stage nature-based solutions (LILAC, 2021). As the UK's first Mutual Home Ownership Society (MHOS), LILAC's house prices are designed to be permanently affordable. Costs are linked directly to average wage growth, rather than increasing market value. Community at LILAC is heavily facilitated by shared amenities accessed via the 'common house' and pooling resources such as cars, lawnmowers, and power tools (Chatterton, 2013). An agreed constitution 'community agreements' guides and informs life in Lilac, covering a range of issues including individual behaviours, interactions with others, and the use and management of shared spaces (Chatterton, 2013; LILAC, 2021).

Construction costs were higher than the UK average - a 48 sqm one-bedroom flat cost £84,000 to build at a cost of £1,744 per sqm while the average costs in England were £1,200 per sqm (Jenny Pickerill, 2015). However, a return-on-investment superior to conventional housing includes permanent affordability at 35% of net household income. reduced energy

# ESR projects



## Vocabulary

### Affordability

Area: Design, planning and building

Affordability is defined as the state of being cheap enough for people to be able to buy (Combley, 2011). Applied to housing, affordability, housing unaffordability and the mounting housing affordability crisis, are concepts that have come to the fore, especially in the contexts of free-..

Created on 03-06-2022

Author: L.Ricaurte (ESR15)

### Housing Regime

Area: Policy and financing

The discussion on housing regimes dates back to the neo-institutional turn in policy research which occurred during the 1980s. This literature viewed institutions not so much as "formal" entities but more as the culmination of conflicting power relations, market dynamics, and ideology. The stud...

Created on 24-02-2022

Author: C.Verrier (ESR3), A.Martin (ESR7)

### Housing Retrofit

Area: Design, planning and building

Buildings are responsible for approximately 40% of energy consumption and 36% of carbon emissions in the EU (European Commission, 2021). Environmental retrofit, green retrofit or low carbon retrofits of existing homes aim to upgrade housing infrastructure, increase energy efficiency...

Created on 16-02-2022

Author: S.Furman (ESR2), Z.Tzika (ESR10), A.Fernandez (ESR12)

### Social sustainability

Area: Community participation

From the three pillars of sustainable development, economic, environmental and social, the latter involving social equity and the sustainability of communities, has been especially neglected. Ongoing problems caused by conflicting economic, environmental and social goals with...

Created on 03-06-2022

Author: A.Panagidis (ESR8)

# ESR projects

<p><b>ESR 1</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Design and construction of energy efficient housing using industrialized methods</b></p> <p>School of Architecture La Salle, Ramon Llull University, Barcelona, Spain</p> <p>Read more →</p>	<p><b>ESR 2</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Adapting existing social housing to the needs of today's dwellers</b></p> <p>School of Architecture La Salle, Ramon Llull University, Barcelona, Spain</p> <p>Read more →</p>	<p><b>ESR 3</b> POLICY AND FINANCING</p> <p><b>Housing governance beyond city boundaries</b></p> <p>Université Grenoble Alpes, Pacte - Laboratoire de sciences sociales, Grenoble, France</p> <p>Read more →</p>	<p><b>ESR 4</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Lifecycle cost analysis and socioeconomic impact of existing social housing construction methods</b></p> <p>School of Architecture, University of Sheffield, Sheffield, United Kingdom</p> <p>Read more →</p>	<p><b>ESR 5</b> DESIGN, PLANNING AND BUILDING</p> <p><b>Environmental sustainability of future social housing</b></p> <p>School of Architecture, University of Sheffield, Sheffield, United Kingdom</p> <p>Read more →</p>
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# Vocabulary

## Affordability

**Area: Design, planning and building**

Affordability is defined as the state of being cheap enough for people to be able to buy (Combley, 2011). Applied to housing, affordability, housing unaffordability and the mounting housing affordability crisis, are concepts that have come to the fore, especially in the contexts of free-...

Created on 03-06-2022  
Author: L.Ricarte (ESR15)

## Housing Regime

**Area: Policy and financing**

The discussion on housing regimes dates back to the neo-institutional turn in policy research which occurred during the 1980s. This literature viewed institutions not so much as "formal" entities but more as the culmination of conflicting power relations, market dynamics, and ideology. The stud...

Created on 24-02-2022  
Author: C.Verrier (ESR3), A.Martin (ESR7)

## Housing Retrofit

**Area: Design, planning and building**

Buildings are responsible for approximately 40% of energy consumption and 36% of carbon emissions in the EU (European Commission, 2021). Environmental retrofit, green retrofit or low carbon retrofits of existing homes aim to upgrade housing infrastructure, increase energy efficiency...

Created on 16-02-2022  
Author: S.Furman (ESR2), Z.Tzika (ESR10), A.Fernandez (ESR12)

## Social sustainability

**Area: Community participation**

From the three pillars of sustainable development, economic, environmental and social, the latter involving social equity and the sustainability of communities, has been especially neglected. Ongoing problems caused by conflicting economic, environmental and social goals with...

Created on 03-06-2022  
Author: A.Panagidis (ESR8)

Design, Planning and Building

Community Participation

Policy and Financing

# ESR projects

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DESIGN, PLANNING AND BUILDING

**Design and construction of energy efficient housing using industrialized methods**

School of Architecture La Salle, Ramon Llull University, Barcelona, Spain

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DESIGN, PLANNING AND BUILDING

**Adapting existing social housing to the needs of today's dwellers**

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**ESR 3**  
POLICY AND FINANCING

**Housing governance beyond city boundaries**

Université Grenoble Alpes, Pacte - Laboratoire de sciences sociales, Grenoble, France

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**ESR 4**  
DESIGN, PLANNING AND BUILDING

**Lifecycle cost analysis and socioeconomic impact of existing social housing construction methods**

School of Architecture, University of Sheffield, Sheffield, United Kingdom

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**ESR 5**  
DESIGN, PLANNING AND BUILDING

**Environmental sustainability of future social housing**

School of Architecture, University of Sheffield, Sheffield, United Kingdom

[Read more →](#)

Design, Planning and Building

## Vocabulary

### Affordability

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Created on 03-06-2022  
Author: L.Ricaurte (ESR15)

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Created on 03-06-2022  
Author: A.Panagidis (ESR8)

Community Participation

Policy and Financing

## Case studies

[Description](#) | [Research areas](#) | [SDG](#) | [References](#) | [Related vocabulary](#) | [Blogposts](#)

### LILAC\_Low Impact Living Affordable Community\_Leeds

Created on 20-05-2022 | Updated on 31-05-2022



**Owner**  
S.Furman (ESR2)

LILAC is an ecological and affordable co-housing project built on a site previously occupied by a school and purchased from the local Council in the Bramley neighbourhood of Leeds, England (Jenny Pickerill, 2015). LILAC's agenda towards social, economic, and environmental sustainability emphasises a change in lifestyle beyond a reduction in carbon emissions and improved energy performance, incorporating "economic justice, behaviour change, wellbeing, mutualism, land ownership, the role of capital and the state, and self-management" (Chatterton, 2013). LILAC is a bottom-up grassroots initiative based around co-operative governance and cohousing design (LILAC, 2021).

The community-led housing project holistically integrates three major principles: low impact living, affordability, and community. Low impact living is achieved by a combination of environmentally conscious attitudes, sharing of resources, and

[Description](#) | [Research areas](#) | [SDG](#) | [References](#) | [Related vocabulary](#) | [Blogposts](#)

### North Wingfield Road social housing complex.

Created on 17-05-2022 | Updated on 31-05-2022



**Owner**  
M.Akaseed (ESR5)

The case presented is one of 11 similar affordable family houses with 100 per cent social housing tenure and a mix of two and three-bedroom units. It was developed on a rural exemption site within the Derbyshire Green Belt at the eastern edge of the village of Grassmoor, Derbyshire, England. The design of the houses drew inspiration from the surrounding rural environment, especially farmstead and crew yard configurations - clusters of buildings around large farm buildings - which are an essential element of the local identity. The central common space arranges the homes, amenities and landscaping to create a user-friendly environment that provides a sense of containment, safety and immersion in the surrounding natural landscape. Through its energy efficiency rating (EPC rating B, with a potential to be A), responsible use of material and reduced impact on the surrounding natural environment, a maximum score of 12 green points was given to the development in its Building for Life 12 assessment. This led to an award in the 2021 Housing Design Awards (a UK based competition), marking the project as an example of 'good practice' in social housing development that aligns with the UK sustainability agenda.

Architect(s)      Housing type

[Description](#) | [Research areas](#) | [SDG](#) | [References](#) | [Related vocabulary](#) | [Blogposts](#)

### A case study of the Housing Fund of the Republic of Slovenia

Created on 16-05-2022 | Updated on 31-05-2022



**Owner**  
M.Horvat (ESR6)

The Republic of Slovenia proclaimed independence in 1991, constituting the obligation of the state to create conditions for proper housing for individuals. The National Housing Fund of the Republic of Slovenia was founded in October 1991 under the National Housing Act with the main role to oversee the implementation of the National Housing Programme in collaboration with other governmental bodies and agencies at national and municipal level. The National Housing Fund is now existing for over 30 years and it has sold almost 3,000 housing units at favourable prices to families struggling to find homes, and it currently manages over 3,600 public rental apartments across the country. In the current National Housing Programme, the National Housing Fund is aiming to acquire 500 public rental apartments, 150 serviced rental apartments, and 50 places in homes for seniors and acquire up to 3,280 public rental apartments for young families.

**Instrument**  
Reaution, subsid, incentive.      low income group, other vulnerable groups



# Blog

Reflections of the network members with regard to:

- Network activities
- Secondments
- Conferences

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## Blog

### Network members activities

**Novel approaches to participation in planning** SECONDMENTS

Posted on 11-05-2022

During my recent secondment at the University of Reading, School of Architecture I was lucky enoug...

Author: A.Panagidis (ESR8) [Read more →](#)

**Rebuild 2022 Madrid | The foundations are set for a promising construction industry** CONFERENCES

Posted on 03-05-2022

In a rapidly changing world where the world's urban population is increasing by 200,000 people per da...

Author: C.Martin (ESR14) [Read more →](#)

**Bridging research and practice during secondment at Clarion** SECONDMENTS

Posted on 08-04-2022

One of the main objectives of transdisciplinary research is the collaboration between academics...

Author: T.Croon (ESR11) [Read more →](#)

**Community participation in the provision of affordable and sustainable housing | discussing inclusion/exclusion** WORKSHOPS, REFLECTIONS

Posted on 05-04-2022

The RE-DWELL network-wide activity took

**CATEGORIES**

**EVENTS**

Conferences (3)  
Secondments (3)  
Summer schools (2)  
Workshops (18)

**PUBLICATIONS**

Articles (0)  
Papers (0)  
Posters (0)

**OTHER CATEGORIES**

Case Study (0)  
Reflections (12)

**ESR**

Mahmoud Alsaied (4)  
Tijn Croon (3)  
Annette Davis (4)  
Aya Elghandour (2)  
Alex Fernandez (4)  
Saskia Furman (2)  
Marko Horvat (3)  
Anna Martin (0)  
Carolina Martin (1)  
Andreas Panagidis (2)  
Androniki Pappa (1)  
Leonardo Reaute (3)  
Efrosyni Roussou (1)  
Zoe Tzika (1)  
Christophe Verrier (1)

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## Rebuild 2022 Madrid | The foundations are set for a promising construction industry

Posted on 03-05-2022

**Author**

C.Martin (ESR14)

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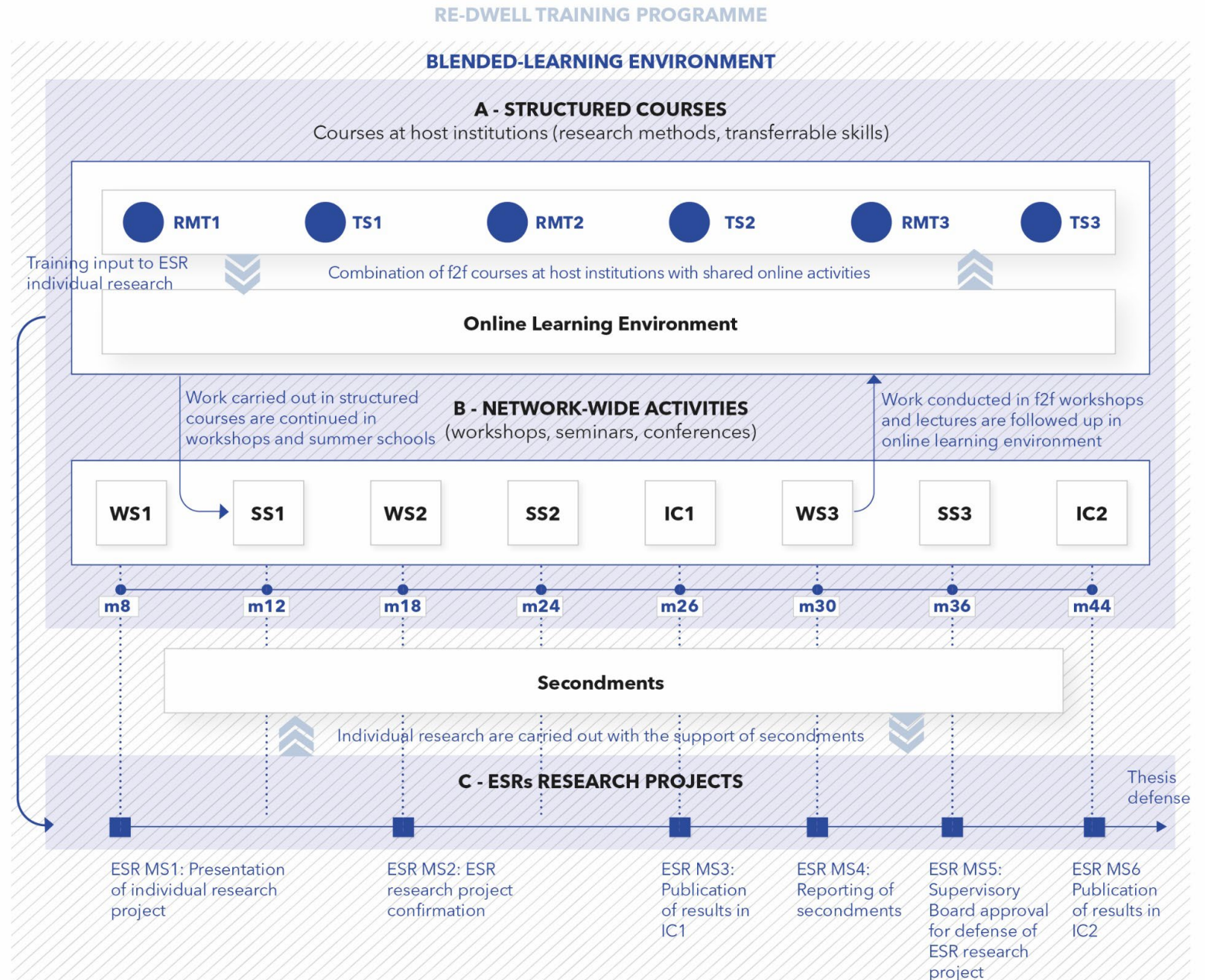
**Industrialisation**

In order to meet the demand that the construction industry requires, we cannot continue building in a traditional way. An industrialisation of the business is needed to achieve the scalability of solutions and the adoption of lean construction methods.

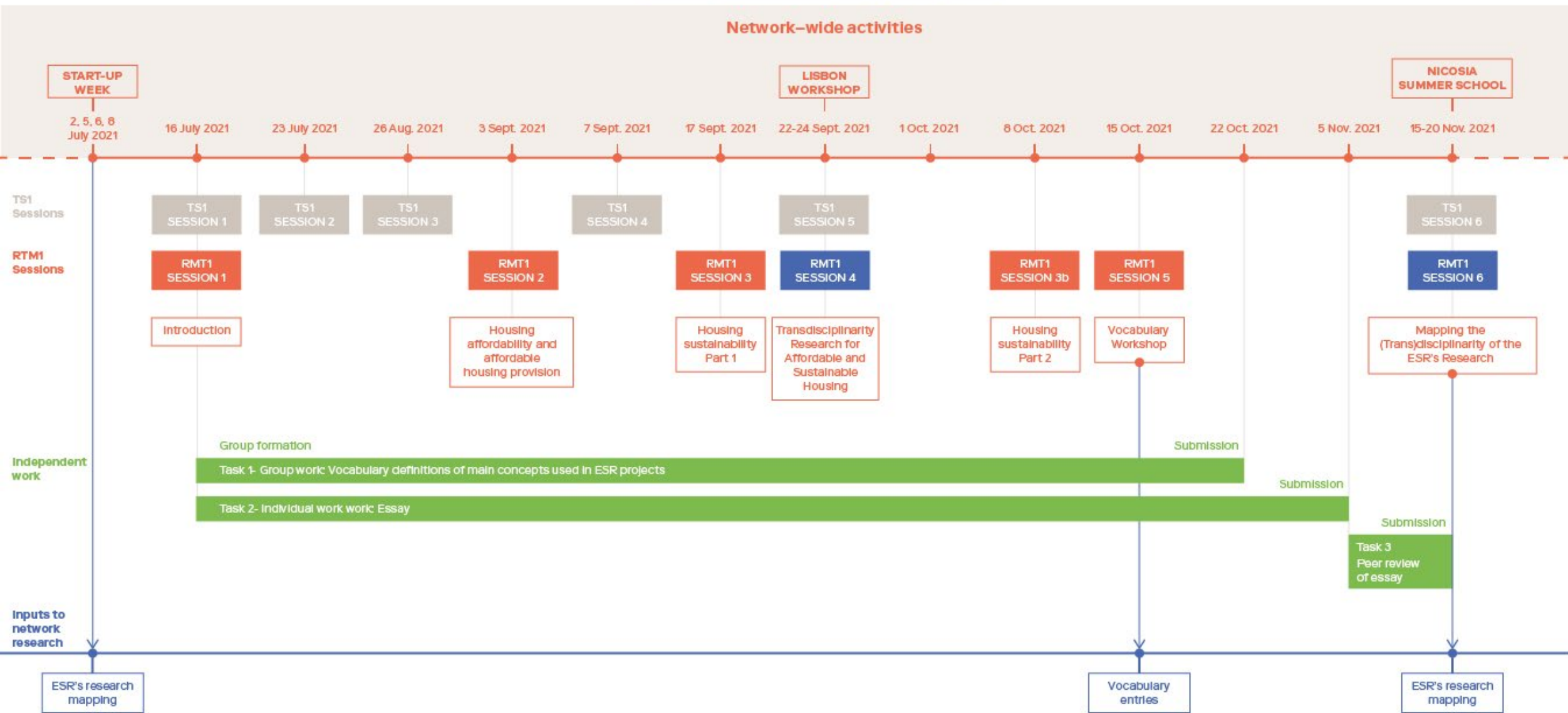
It is necessary to unify the architecture design with the constructive process from the initial stages. The selection of the MMC (Modern Method of Construction) and the logistics will have an influence on the design. Therefore, it is essential to

# Intertwining research and training activities

- Courses
- Workshops
- Summers Schools
- Conferences
- Secondments



# Research Methods and Tools I (RMT1)

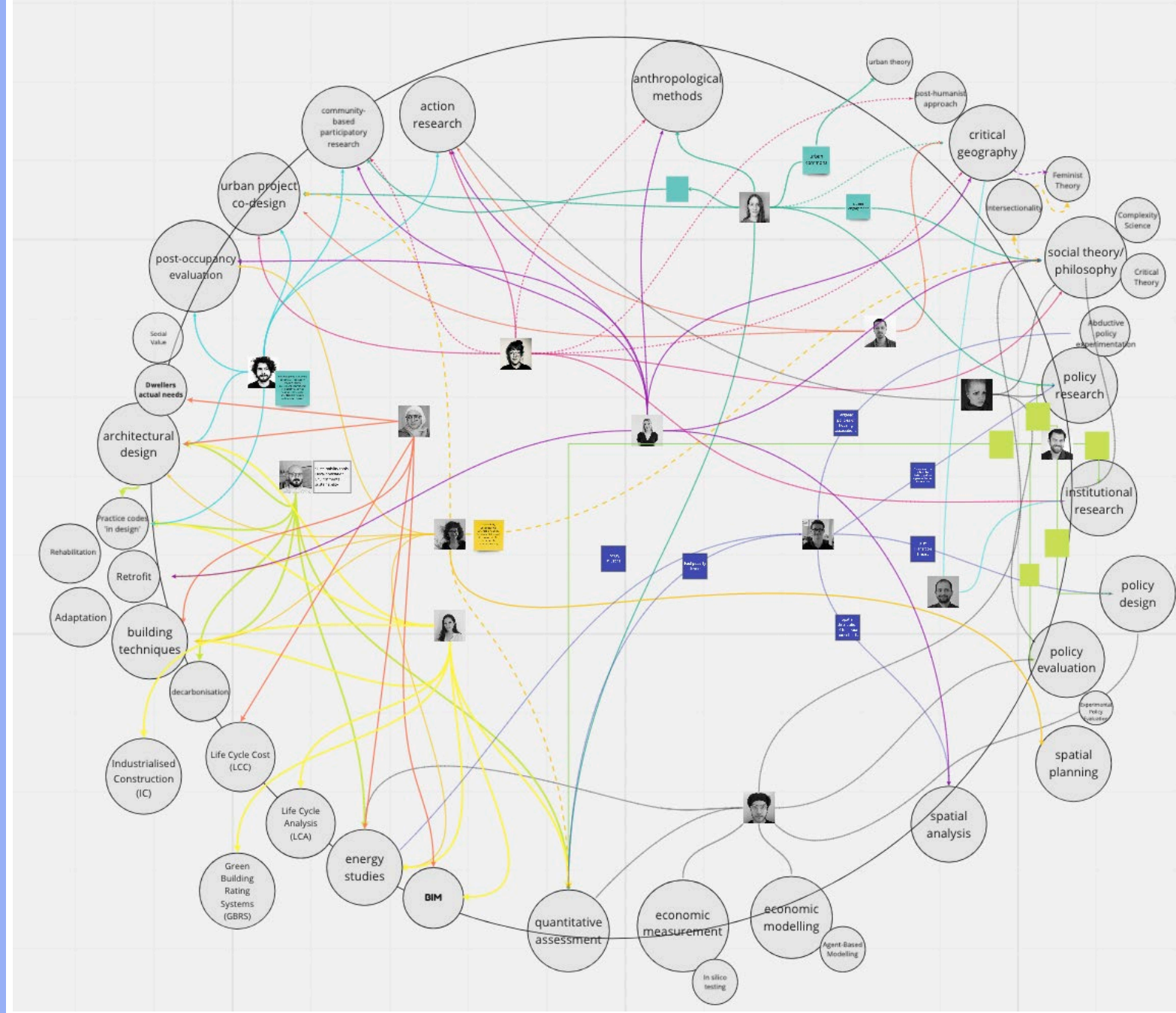


Integrating onsite and online teaching and learning activities

# Blended learning

Map of ESRs' transdisciplinary research (RMT1 course)

- ESRs did a peer review of an essay before meeting in the summer school in Nicosia
- The links between their research approaches were mapped during the presentation in Nicosia



# Newtork activities

Workshops  
Summer Schools  
Conferences

Collaborative activities  
Group discussions  
Lectures  
Meetings with local actors  
Site visits  
Roundtables

## Workshop #1 Lisbon – 22-24 September 2021 “Design, planning and construction of affordable and sustainable housing”

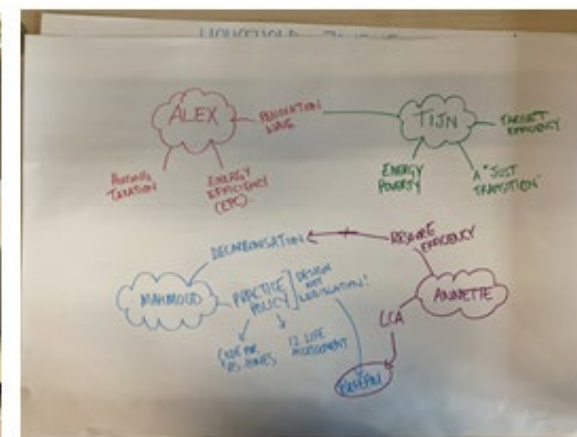


# Workshop #2 Budapest – 28-30 March 2022 : “Community participation in affordable and sustainable housing”

## Newtork activities

Workshops  
Summer Schools  
Conferences

Collaborative activities  
Group discussions  
Lectures  
Meetings with local actors  
Site visits  
Roundtables

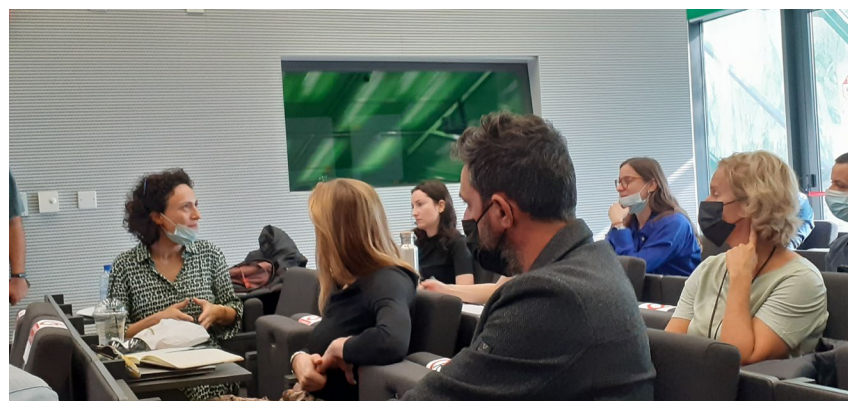
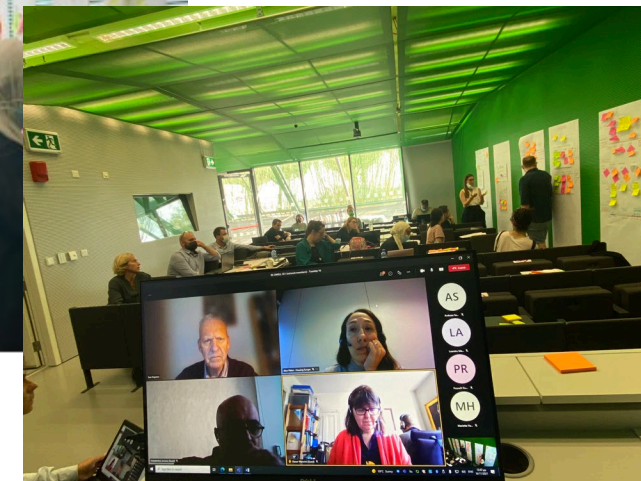


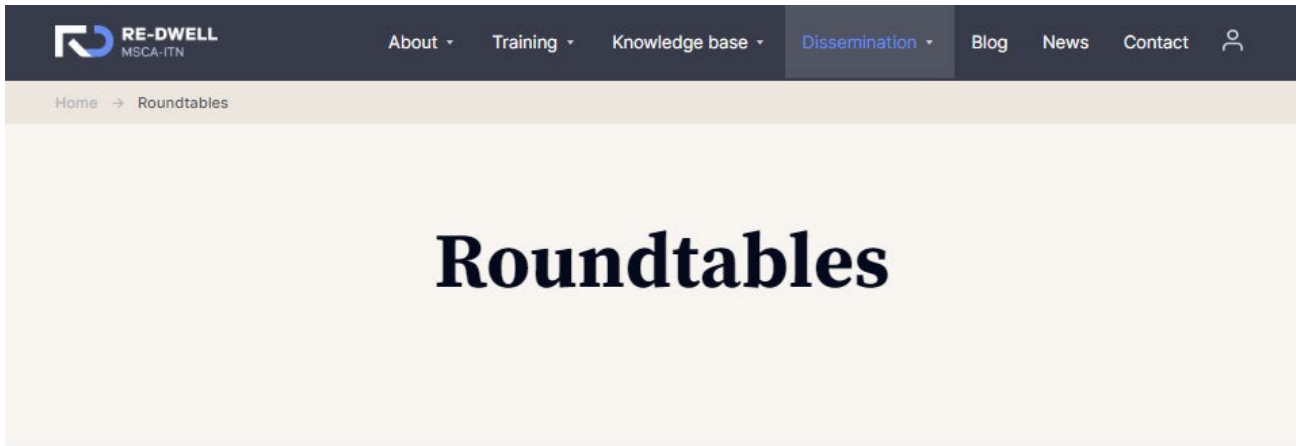
# Summer school #1 Nicosia – 15-20 November 2021: “Planning, design and retrofitting of affordable and sustainable housing”

## Newtork activities

Workshops  
Summer Schools  
Conferences

Collaborative activities  
Group discussions  
Lectures  
Meetings with local actors  
Site visits  
Roundtables





# Roundtables

Online discussions with experts in the field of affordable and sustainable housing

3 roundtables were included in the last two workshops and summer school



## RE-DWELL Roundtable #3: "Community participation i...

Published on 06-05-2022

This discussion took place in a blended format on March 26, as...

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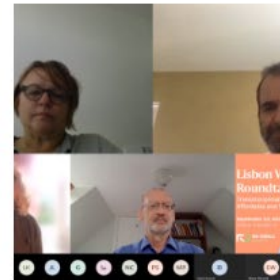


## RE-DWELL Roundtable #2: Design of Affordable and...

Published on 22-12-2021

This roundtable took place in a blended format, in the Universit...

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## RE-DWELL Roundtable #1: Transdisciplinary Research...

Published on 23-09-2021

A roundtable on "Transdisciplinary Research for..."

[Read more →](#)

- Darinka Czischke, TU Delft
- David Clapham, University of Glasgow
- Gilles Debizet, University Grenoble Alpes
- Lisa D. Iulo, Pennsylvania State University
- Richard Lang, Suttner Private University in St. Pölten
- Montserrat Pareja-Eastaway, University of Barcelona
- Doina Petrescu, University of Sheffield
- Jenny Pickerill, University of Sheffield
- Ashraf Salama, University of Strathclyde



# Network activities

Workshops  
Summer Schools  
Conferences

Call for abstract open  
until

24 June 2022

## RE-DWELL Conference, Grenoble, 8-10 December, 2022: “Living in tomorrow’s cities / Habiter les villes de demain”

RE-DWELL MSCA-ITN

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RE-DWELL CONFERENCE

### Housing co-creation for tomorrow's cities

Grenoble, 8-10 December, 2022  
*Living in tomorrow's cities / Habiter les villes de demain*

This international conference is organized by the RE-DWELL MSCA Innovative Training Network "Delivering affordable and sustainable housing in Europe" and the [Pacte Social Sciences Research Centre of the University Grenoble Alpes](#).

It will take place at the Institut d'Urbanisme et de Géographie Alpine (IUGA), 14 Avenue Marie Reynoard, 38100 Grenoble

[Description](#) | [Call for abstracts](#) | [Important dates](#) | [Registration](#) | [Programme](#) | [Keynotes](#) | [Committees](#)

#### > Description

The RE-DWELL research programme posits that the interrelations between the scope and realms of housing must be integrated in a holistic approach in order to respond to the challenges of creating housing that is both affordable and sustainable. The objective of this first RE-DWELL conference is to create a discussion platform for the multiple actors involved in housing policy, planning, design and construction. We are particularly interested in the ways such interrelations challenge the established conceptions and professional practices in the field of housing in European cities.

The conference will include presentations of scientific papers, keynote speeches, an open roundtable discussion with local housing stakeholders, as well as site visits. This event is part of the agenda of Grenoble European Green Capital 2022, and its December theme "Living in tomorrow's cities" / "Habiter les villes de demain".

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RE-DWELL  
Delivering affordable and sustainable housing in Europe

Marie Skłodowska-Curie Innovative Action - Innovative Training Network (MSCA-ITN)  
(1.10.2020-30.9.2024)

RE-DWELL will participate in the ISHF Helsinki with a workshop on June 14. Join us!  
Call for abstracts for the RE-DWELL conference in Grenoble is open until June 10.

**RE-DWELL Roundtable #3: "Community participation in the provision of affordable and sustainable housing"**  
Posted on 06-05-2022  
This discussion took place in a blended format on March 26, as part of the Budapest workshop. The panelists were: • Jenny Pickerill, Professor of Environmental Geography and Head of Department of...  
[Read more →](#)

**RE-DWELL Roundtable #2: Design of Affordable and Sustainable Housing: Challenges and Opportunities**  
Posted on 22-12-2021  
This roundtable took place in a blended format, in the University of Cyprus and on line, during the Nicosia Summer School, on November 16, 2021. The participants were: Darinka Cizischke, Associate...  
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**Last blog entries**

**Novel approaches to participation in planning**

**Rebuild 2022 Madrid | The foundations are set for a**

**Bridging research and practice during secondment at Clarion**



# RE-DWELL Workshop.

## A holistic approach for affordable and sustainable housing: a use case



**Annette Davis**  
ESR1  
B1 - School of Architecture  
La Salle, Ramon Llull  
University



**Saskia Furman**  
ESR2  
B1 - School of Architecture  
La Salle, Ramon Llull  
University



**Zoe Tzika**  
ESR10  
B7 - School of Architecture,  
Universitat Politècnica de  
València



**Tijn Croon**  
ESR11  
B8 - Faculty of Architecture and the  
Built Environment (ABE), TU Delft



**Androniki Pappa**  
ESR13  
B9 - School of Technology and  
Architecture, University  
Institute of Lisbon (ISCTE)



**Carolina Martín**  
ESR14  
B9 - School of Technology  
and Architecture, University  
Institute of Lisbon (ISCTE)



**Leonardo Ricaurte**  
ESR15  
B10 - School of Built  
Environment, University  
of Reading



**Leandro Madrazo**  
Project coordinator -  
Supervisor  
B1 - School of Architecture  
La Salle, Ramon Llull  
University



**Carla Sentieri**  
Supervisor  
B7 - School of Architecture,  
Universitat Politècnica de  
València



**Ignacio Guillén**  
Co-supervisor  
B7 - School of Architecture,  
Universitat Politècnica de  
València



**Alexandra Paio**  
Supervisor  
B9 - School of Technology and  
Architecture, University Institute of  
Lisbon (ISCTE)



**Flora Samuel**  
Supervisor  
B10 - School of Built  
Environment, University of  
Reading



**Elanor Warwick**  
Secondment  
PO6 - Clarion Housing Group



**Alice Pittini**  
Secondment  
PO11 - Housing Europe