



Agencia Andaluza de la Energía
**CONSEJERÍA DE LA PRESIDENCIA,
ADMINISTRACIÓN PÚBLICA E INTERIOR
CONSEJERÍA DE HACIENDA Y FINANCIACIÓN EUROPEA**



PROJECT OVERVIEW BUILD2LC FINAL CONFERENCE

Seville, 3 December 2020



European Union | European Regional Development Fund



BUILD2LC Scope

- The **building sector is the largest energy consumer in Europe**, representing 40% of the total EU consumption and 36% of CO₂
- 75% of EU **households are energy inefficient**; but only 0,4-1,2% of the stock is renovated each year .
- There is also a great saving potential in EU **public buildings**.
- High **innovation potential** through innovative solutions of maximum energy efficiency, ecomaterials, or renewable energy installations
- BUILD2LC has contributed to achieve de **EU energy goals** in line with the EU objectives for smart sustainable buildings sector





BUILD2LC Objective

→ to increase the energy rehabilitation of buildings to reduce energy consumption and enhance policies to favour the creation of a market of specialized companies in this sector.



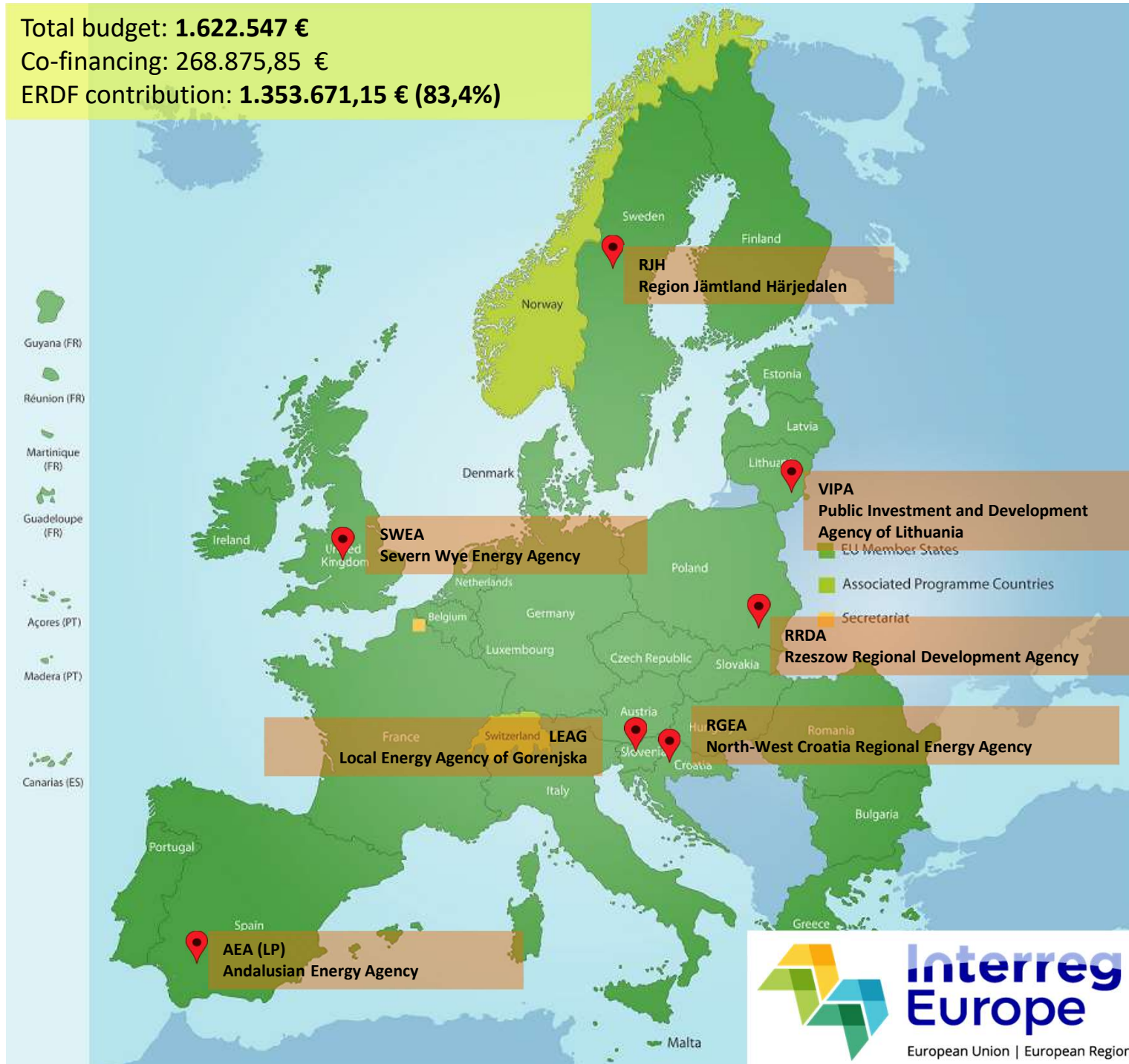


BUILD2LC Sub Objectives

1. Encourage the demand and promotion of **investments**, facilitating that citizens undertake **energy rehabilitation** activities – TOPIC 1
2. Promoting the **competitiveness** of the business network: reformulating business models (ESCos), improving the skills of workers and integrating all actors in the **value chain** of the energy rehabilitation sector. – TOPIC 2
3. Encourage **innovative solutions**, the use of new materials, boosting public procurement, and the cooperation between companies and knowledge institutes. – TOPIC 3
4. Eliminate **barriers** that impede the rehabilitation of buildings, empowering citizens with special focus on energy poverty – TOPIC 4



Total budget: **1.622.547 €**
Co-financing: 268.875,85 €
ERDF contribution: **1.353.671,15 € (83,4%)**

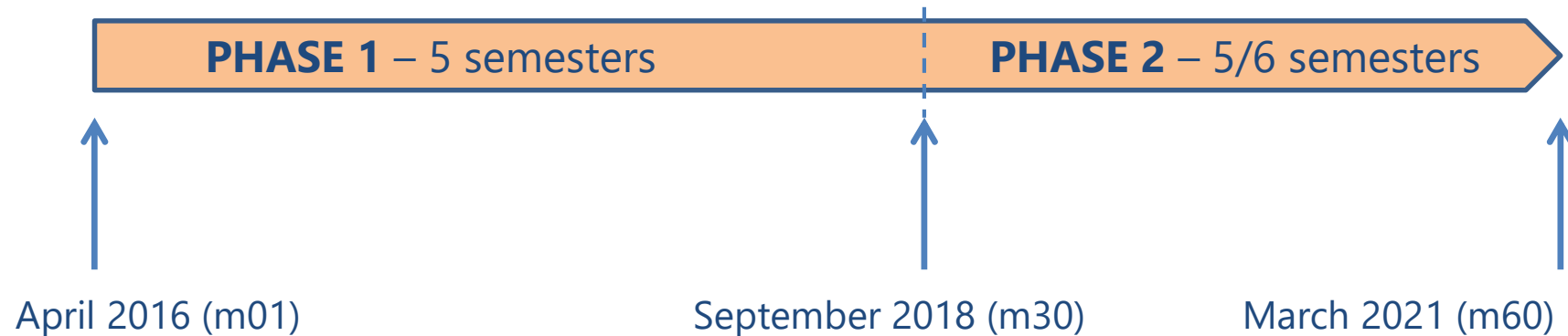




BUILD2LC Approach

The project was structured into two phases:

- 1) the first phase, focused on the **exchange of experiences** and the creation, by each partner region, of an **Action Plan**.
- 2) the second phase, consisted in the **implementation and monitoring** of these **Action Plans**.





BUILD2LC learning process

- 3 interregional thematic seminars on:
 - *New financial instruments*, Lithuania.
 - *Professionalisation of the construction sector and innovation*, Poland)
 - *Activation of demand and combating energy poverty*, United Kingdom.
- 1 specialized interregional meeting on innovation (Sweden).
- 7 study visits.
- 9 bi-lateral meetings and 4 multi-lateral meetings between partners, involving 32 good practices exchanged.

- 35 regional workshops with stakeholders group.
- 1 high level dissemination event at European level.
- 7 dissemination events at regional/local level.



61 Policy leaning events

Third Interregional Seminar
in Gloucester, United Kingdom / 1



Study visit: Regional Parliament of Andalusia



Study visit: Higher Technical School of Engineering - University of Seville



Study visit: Energy Centre Bracak



Study visit: ZagEE project



Study visit: District Storsjö Strand



Open Conference



Study visit: University of Rzeszow

BUIL2LC Results: 72 GPs

— GOOD PRACTICES FOR TOPIC



TOPIC REPORT 2 GOOD PRACTICES IN THE TOPIC 'PROFESSIONALIZATION OF THE CONSTRUCTION SECTOR'

ANDALUSIA REGION

1. **A1** Collaborating partner companies in the management of the Incentives Programme for Sustainable Construction in Andalusia.
2. **A3** A system of verification and monitoring of the Incentives Programme for Sustainable Construction in Andalusia.
3. **A4** Participative and open governance of the Sustainable Construction Programme in Andalusia.
4. **A9** Energy efficiency refurbishment in public social housing in Andalusia.

LITHUANIA

5. **L2** Technical Support and Promotion in Multi-Apartment Building Modernization (BETA Agency).
6. **L3** Quality in Multi-Apartment Building Modernization.

— GOOD PRACTICES FOR TOPIC



TOPIC REPORT 1 GOOD PRACTICES IN THE TOPIC 'NEW FINANCIAL INSTRUMENTS'

GLOUCESTERSHIRE REGION

10. **G3** ACHIEVE – Actions in low income Households to Improve Energy efficiency through Visits and Energy diagnosis.
11. **G5** Target 2050.
12. **G6** European Sustainable Energy Award for Prisons (E-SEAP).
13. **G8** Link to Energy.
14. **G9** SustainCo (Sustainable Energy for Rural Communities).
15. **G10** Your Green Future (YGF).
16. **G12** Young Energy People.

PODKARPACKIE REGION

17. **P3** Podkarpackie Academy Certification.
18. **P4** Podkarpackie Low-Energy Consumption Technologies Transfer Centre's Passive House.

ANDALUSIA REGION

1. **A5** Closed Catalogue of energy improvement measures for the Incentives Programme for Sustainable Construction in Andalusia.
2. **A8** Technological Corporation of Andalusia: regional RTDI funding Public-Private Partnership.

LITHUANIA

3. **L1** Carrot-and-Stick Game in Multi-Apartment Building Modernization.
4. **L3** Quality in Multi-Apartment Building Modernization.
5. **L4** Municipalities involvement in Multi-Apartment Building Modernization.
6. **L5** Standardization and Simplification in Multi-Apartment Building Modernization.
7. **L6** Standardization and Simplification in Public Buildings Modernization.
8. **L7** Complex projects.
9. **L8** Innovation in Financial Instruments.
10. **L9** Legal Framework Harmonisation.

JÄMTLAND HÄRJEDALEN REGION

22. **J8** Energy Efficiency Support (EES).
23. **J9** Education close to zero energy constructions: "Energy lift".

SLOVENIA

24. **S6** Education "European Energy Manager - EUREM".

REST OF EUROPE

25. **O3** Sustainable Campus- Green University.
26. **O4** Casaclima training course for artisans and small enterprises.

GLOUCESTERSHIRE REGION

11. **G1** Warm & Well – Energy Efficiency Advice and Installation Scheme.
12. **G2** Energy Company Obligation (ECO).
13. **G5** Target 2050.
14. **G9** SustainCo (Sustainable Energy for Rural Communities).
15. **G11** Countdown to Low Carbon Homes.

PODKARPACKIE REGION

16. **P5** Rehabilitation of buildings and removal of asbestos.

CROATIA

17. **C1** Reconstructed public buildings in City of Zagreb under the ZagEE project.
18. **C2** Project Development Assistance Instrument (PDA) – ZagEE project.
19. **C3** Finding and using innovative financial schemes for the reconstruction of municipal buildings – ZagEE project.
20. **C10** croenergy.eu.

JÄMTLAND HÄRJEDALEN REGION

21. **J1** The Climate Step.
22. **J2** Energy mapping grant.
23. **J4** Grant for municipal Energy and Climate Advisors.
24. **J5** Smart procurement.

SLOVENIA

25. **S1** CHP Planina – Kranj.
26. **S3** Contractual partnership in the building of Municipality of Kranj.
27. **S4** Eco Fund, Slovenian Environmental Public Fund.
28. **S5** ENSVET - Energy Advices for Citizens.
29. **S7** Complete renovation of apartment buildings - System Dominum.
30. **S8** Community of Preddvor – Kindergarten Storžek.

REST OF EUROPE

31. **O1** Deep renovation in Upper Austria.
32. **O2** Solar thermal installation- ESCO model.
33. **O3** Sustainable Campus- Green University.
34. **O5** Financing and delivery of energy saving measures.
35. **O6** Energy efficiency refurbishment in a multi-dwelling residential building in Sofia.

<https://www.interregeurope.eu/build2lc/>

BUIL2LC Results: 72 GPs

— GOOD PRACTICES FOR TOPIC



ANDALUSIA

1. **A6** Manantia: A+ eco-business building with Andalusian patio concept.
2. **A7** Shallow Geothermal Heating and Cooling at the Parliament of Andalusia.
3. **A8** Technological Corporation of Andalusia: regional RTDI funding Public-Private Partnership.

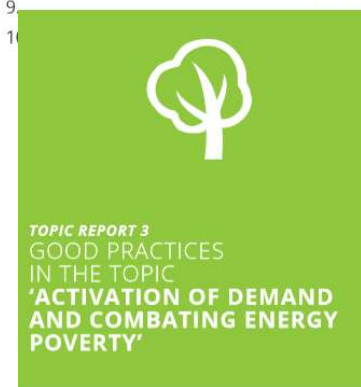
LITHUANIA

4. **L8** Innovation in Financial Instruments.

GLOUCESTERSHIRE

5. **G4** Cynefin.
6. **G5** Target 2050.
7. **G8** Link to Energy.

— GOOD PRACTICES FOR TOPIC



PODKARPACKIE

11. **P1** Expansion of energy infrastructure at the Higher School of Law and Public Administration using renewable sources of energy.

12. **P2** Comprehensive use of renewable energy sources in the Community Center Association "Emmaus-Rzeszów".

13. **P4** Podkarpackie Low-Energy Consumption Technologies Transfer Centre's Passive House.

CROATIA

14. **C1** Reconstructed public buildings in City of Zagreb under the ZagEE project.

15. **C4** Monitoring and verification of energy consumption and achieved savings through Energy Information System - ZagEE project.

ANDALUSIA

1. **A1** Collaborating partner companies in the management of the Incentives Programme for Sustainable Construction.

2. **A2** 100% online simplified procedure for the request and justification of grants from the Incentives Programme for Sustainable Construction.

3. **A3** A system of verification and monitoring of the Incentives Programme for Sustainable Construction in Andalusia.

4. **A4** Participative and open governance of the Sustainable Construction Programme.

5. **A5** Closed Catalog of energy improvement measures for the Incentives Programme for Sustainable Construction.

6. **A9** Energy efficiency refurbishment in public social housing in Andalusia.

LITHUANIA

7. **L1** Carrot-and-Stick Game in Multi-Apartment Building Modernization.

8. **L2** Technical Support and Promotion in Multi-Apartment Building Modernization.

9. **L3** Quality in Multi-Apartment Building Modernization.

10. **L4** Municipalities' involvement in Multi-Apartment Building Modernization.

11. **L5** Standardization and Simplification in Multi-Apartment Building Modernization.

12. **L6** Standardization and Simplification in Public Buildings Modernization.

JÄMTLAND HÄRJEDALEN

19. **J3** Heating control with forecast.

20. **J7** Zerooil - with bio oil - a region without fossil heating oil.

21. **J8** Energy Efficiency Support (EES).

22. **J10** Sports Tech Research Centre.

SLOVENIA

23. **S6** Education "European Energy Manager - EUREM".

24. **S7** Complete renovation of apartment buildings - System Dominum.

REST OF EUROPE

25. **O2** Solar thermal installation - ESCO model.

13. **L7** Complex projects.

14. **L8** Innovation in Financial Instruments.

15. **L9** Legal Framework Harmonisation.

GLOUCESTERSHIRE

16. **G1** Warm & Well - Energy Efficiency Advice and Installation Scheme.

17. **G2** Energy Company Obligation (ECO).

18. **G3** ACHIEVE - Actions in low income Households to Improve Energy efficiency through Visits and Energy diagnosis.

19. **G4** Cynefin.

20. **G5** Target 2050.

21. **G6** European Sustainable Energy Award for Prisons (E-SEAP).

22. **G7** Save@Work.

23. **G8** Link to Energy.

24. **G10** Your Green Future (YGF).

25. **G11** Countdown to Low Carbon Homes.

26. **G12** Young Energy People.

PODKARPACKIE

27. **P1** Expansion of energy infrastructure at the Higher School of Law and Public Administration using renewable sources of energy.

28. **P2** Comprehensive use of renewable energy sources in the Community Center Association "Emmaus-Rzeszów".

29. **P4** Podkarpackie Low-Energy Consumption Tech. Transfer Centre's Passive House.



30. **P5** Rehabilitation of buildings and removal of asbestos.

31. **P6** Revitalization of historic buildings in the old city Przemysł.

CROATIA

32. **C8** Rural electrification project.

33. **C12** Through Knowledge to a Warm home.

JÄMTLAND HÄRJEDALEN

34. **J6** Energy wise housing cooperatives.

35. **J7** Zerooil - with bio oil - a region without fossil heating oil.

SLOVENIA

36. **S1** CHP Planina - Kranj.

37. **S2** Combating energy poverty.

38. **S4** Eco Fund, Slovenian Environmental Public Fund.

39. **S5** ENSVET - Energy Advices for Citizens.

40. **S7** Complete renovation of apartment buildings - System Dominum.

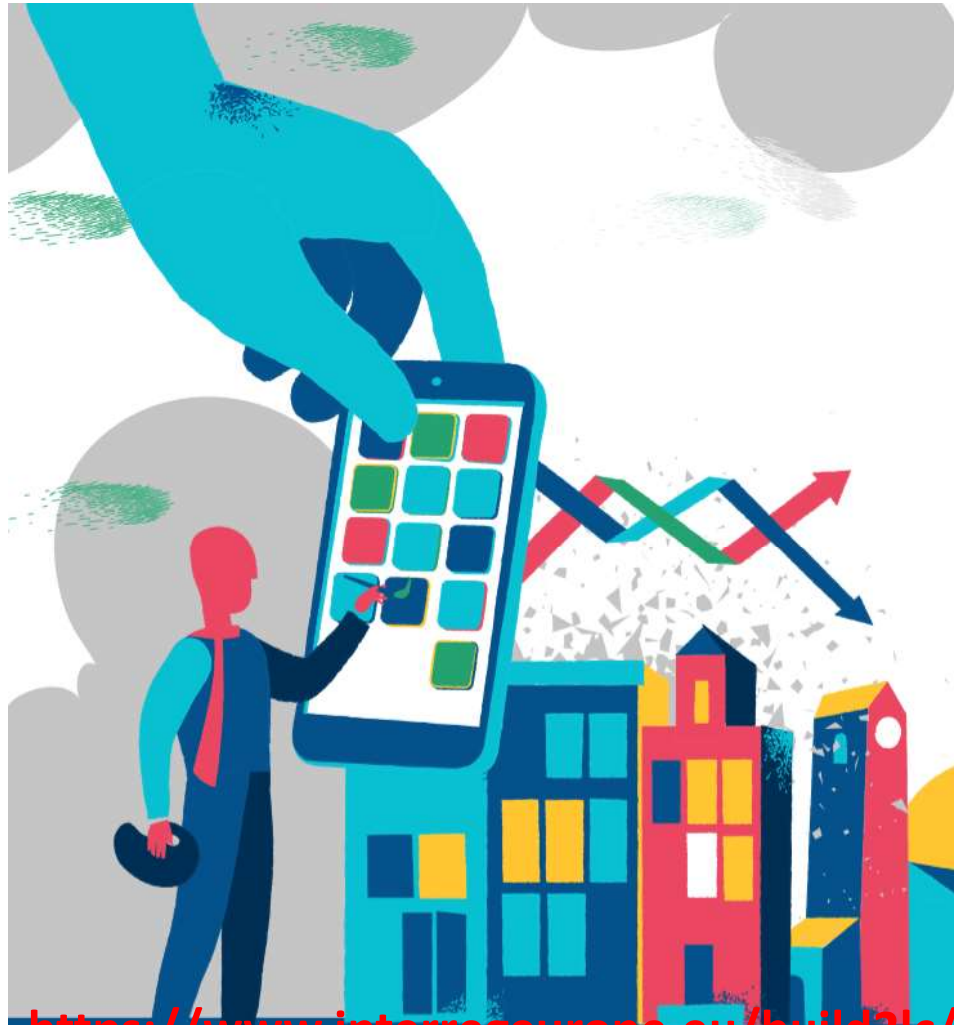
41. **S8** Community of Predvdor - Kindergarten Storžek.

REST OF EUROPE

42. **O6** Energy efficiency refurbishment in a multi-dwelling residential building in Sofia.



BUILD2LC Results: 4 TOPIC Reports



NEW FINANCIAL INSTRUMENTS

TOPIC REPORT — SEVILLA, 30th JUNE 2017



**BUILD2LC Project
Boosting Low Carbon
Innovative Building
Rehabilitation in
European Regions**

The topic report is a communication action for the general public to show the main conclusions and results of the events being held with stakeholders in relation with BUILD2LC topics.

More info: interregeurope.eu/build2lc

<https://www.interregeurope.eu/build2lc/>



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BUILD2LC Results: Innovation map



INNOVATION MAP

ÖSTERSUND, 31th OCTOBER 2017



**BUILD2LC Project
Boosting Low Carbon
Innovative Building
Rehabilitation in
European Regions**

The Innovation map is a communication action for the general public and organizations that wish to find other organizations currently working with innovation to collaborate with.

More info: interregeurope.eu/build2lc/

<https://www.interregeurope.eu/build2lc/>



BUILD2LC Results: 7 Actions Plans



Sharing solutions for better regional policies



Sharing solutions for better regional policies

Action Plan of the BUILD2LC Project:

Innovative financial instruments to boost rehabilitation in public buildings and a more professional sector by enabling better education
September 2018



Sharing solutions for better regional policies



Build to Low Carbon (Build2LC) Action Plan September 2018-August 2020

Policy Context & Delivery Plan
Gloucestershire, UK

(September 2018)

Collaboration between Gloucestershire's public, private and third sector to efficiently and effectively retrofit domestic properties to relieve fuel poverty and ultimately improve the health and well-being of Gloucestershire residents.

Managed by Severn Wye Energy Agency, Gloucester, UK

Last updated: 11/03/2019

Action Plan of the BUILD2LC Project:

Combating Energy Poverty and Financial Instruments in Energy Renewal of Buildings



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BUILD2LC Results – Policy Instruments influenced

Number	Name	Structural funds link	Responsible Body Name	PI addressed by partner(s)	First policy change reported in..
✓1	Andalusian Operational Programme for investments for jobs and growth, 2014-2020. Objective T.O. 4. Priority Line 4.c: Support the Energy efficiency and use of renewable Energy in public infrastructure, including public buildings and housing	Yes	General Directorate for European Funds, Regional Ministry of Economy and Knowledge of the Andalusian Regional Government	1-LP Andalusian Energy Agency, Regional Ministry of Employment, Enterprise and Commerce, Andalusian Government (AEA) (ES)	PR 6
✓2	Lithuanian operational programme for the European Union funds' investments in 2014-2020. Priority axis 4 - Promoting energy efficiency and production and use of renewable energy. Investment priority 4.3 -Supporting energy efficiency, smart energy management and RES use in public infrastructures, including in public and multi-apartment buildings.	Yes	Ministry of Finance of the Republic of Lithuania is the managing authority of the Operational Programme for the European Union funds' investments in 2014-2020.	2-PP The Public Investment and Development Agency of Lithuania (VIPA) (LT)	PR 6
✓3	EU Structural Investment Fund Strategy – Gloucestershire 2014-2020. Thematic Objective 4 – Low Carbon	Yes	Gloucestershire Local Enterprise Partnership	3-PP Severn Wye Energy Agency Ltd (SWEA) (UK)	PR 6
✓4	Regional Operational Programme of Podkarpackie Voivodeship 2014 – 2020. Priority III Clean Energy	Yes	Marshal Office of the Podkarpackie Region	4-PP Rzeszow Regional Development Agency (RRDA) (PL)	PR 5
✓5	Priority axis 2.4 Sustainable consumption and production of energy and smart grids. Priority 2.4.1 Supporting energy efficiency, smart energy management and renewable energy use in public infrastructure, including in public buildings, and in the housing sector. Operational Programme for the Implementation of the EU Cohesion Policy in the Period 2014-2020.	Yes	Ministry of Infrastructure, Energy directorate.	8-PP Local Energy Agency of Gorenjska (LEAG) (SI)	N/A
✓6	Croatian Operational Programme 2014 -2020. Objective T.O. 4. Supporting the shift towards a low-carbon economy in all sectors, concretely Priority Line 4.c: Support the Energy efficiency and use of renewable Energy in public infrastructure, including public buildings and housing.	Yes	Ministry of Regional Development and EU Funds	6-PP North-West Croatia Regional Energy Agency (RGEA) (HR)	N/A
✓7	Operational programme for investments for jobs and growth, NUTS SE32. 2014-2020	Yes	The Swedish Agency for Economic and Regional Growth (MA) - Tillväxtverket	7-PP Region Jämtland Härjedalen (RJH) (SE)	N/A



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BUILD2LC

Boosting low carbon innovative building
rehabilitation in European regions

Thank you!

<https://www.interregeurope.eu/build2lc/>



**Interreg
Europe**



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