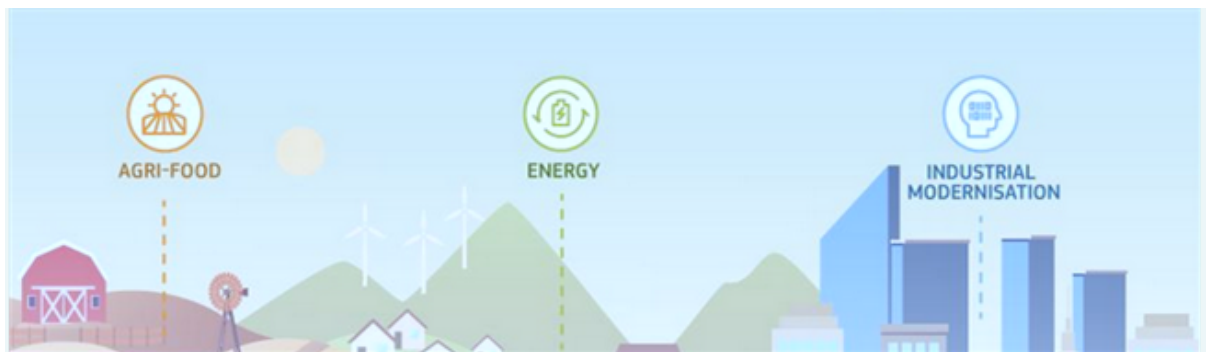


# Thematic Smart Specialisation Platforms Monitoring Progress Report

Fields marked with \* are mandatory.



## Thematic Smart Specialisation Partnership Monitoring Progress Report

This report is presented to the relevant Working/Steering Committee.

The report is updated every six months.

### Confidentiality:

The management report (section I) and progress report (section II) will be made available to the public via your Partnership's web page.

The part on self-assessment is confidential.

Based on the monitoring results, the European Commission will decide on the following term's support.

### \* Reporting period

January - June 2020

### \* Please select the name of your partnership

Sustainable Buildings

**\* Start date of your partnership**

October 2016

**Partnership's webpage**<https://s3platform.jrc.ec.europa.eu/sustainable-buildings>**I. Management report**

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**\* Please provide the executive summary of the objectives of your partnership**

The Partnership of European Regions on Sustainable Buildings is conceived as a strategic alliance between European regions to boost new markets and take advantage of regional opportunities for smart specialisation in sustainable buildings.

This interregional collaboration between public and/or private entities within the Partnership, aims to improve the energy efficiency of buildings in Europe, through promoting the development of efficient and innovative solutions throughout the value chain, associated to energy saving and the use of renewable energy in buildings.

In the context of this Partnership, energy efficiency in buildings is understood in an integral sense, that is, considering not only the energy efficiency of equipment and installations, but also innovations in new materials, components and construction solutions that minimise the energy consumption during manufacture, assembly and operation, as well as new services that facilitate in the deployment of these solutions.

Those solutions seek the maximum environmental protection and the quality of life of people, with special attention to the design of low cost solutions aimed at the most disadvantaged groups.

The actions carried out in the partnership should also seek the consolidation of a business network and the generation of new business and employment opportunities aimed at creating value around energy efficiency and the implementation of renewable energy in buildings.

Summing up, the Partnership will be focused on the more effective deployment, upscale and market uptake of technologies in the field of sustainable construction.

**\* Please provide the list of leading regions**

The Partnership is led by Andalusia (ES) and Coledated by North Croatia (HR) and North Great Plain (HU),.

**\* Please provide the list of participating regions.**

*If possible, please follow this format: "Name of the region in English (Country abbreviation), NUTS code".  
e.g.: Lapland (FI), FI1D7*

Regions who have signed a letter of commitment, are leading a thematic work area or are participating in a

demo project. The NUTS code for all participating regions is 2 except some participants whose NUTs are indicated.

Andalucia (ES) - leader  
 Asturias (ES)  
 Castilla y León (ES)  
 Valencia (ES) -thematic work area leader  
 Sud Provence-Alpes-Côte d'Azur (FR) - participating in a demo project  
 Rhône-Alpes (FR) - participating in a demo project  
 Lapland (FI) - thematic work area leader  
 South Karelia (FI) - participating in a demo project  
 North Karelia (FI)  
 Western Macedonia (GR)  
 North Croatia (HR) - coleader, participating in a demo project  
 North Great Plain (HU) - coleader  
 Campania (IT)  
 Friulia-Venezia-Giulia (IT) - thematic work area leader, participating in a demo project  
 Trento (IT)  
 Emilia-Romagna (IT)  
 Kaunas Province (IT)  
 Opolskie (PL) - participating in a demo project  
 Podkarpackie (PL) - participating in a demo project  
 Pomorskie (PL)  
 Małopolskie (PL)  
 Central Slovenia (SL) -participating in a demo project  
 Gorenjska (SL), NUTs3  
 Podravska (SL) - thematic work area leader  
 Algarve (PO) - participating in a demo project  
 Lithuania (LI), NUTs,1 - - participating in a demo Project  
 Region Jämtland (SE)  
 Gloucestershire (UK), NUTs 3  
 Alba (RO), NUTs 3 - participating in a demo Project  
 Plovdiv (BG) - participating in a demo Project

Other regiois who have participated eventually in the activities organized by the Partnership and currently connected to the Partnership receiving information and project proposals are:

Murcia (ES)  
 Extremadura (ES)  
 Catalonia (ES)  
 Town Hall (CZ)  
 Weser Ems Germany (DE)  
 Limerick City and County Council (IE)  
 Lazio (IT)  
 Slakie (PL)  
 Primorska (SL);  
 Mälardalen (SE)  
 Cornwall and Isles of Scilly (UK)  
 South Trannsdanubian Region Hungary (HU)  
 South Estonia, Tartu County Council (EE)  
 Northeastern Poland Podlaskie voivodeship (PL)

Slovenia Litoral Innorenew COE (SE)  
South West Sweden (SE);  
LT- National Energy Agency  
Veneto (IT)  
Upper Carniola (SL)  
South Denmark (DK)

Also non-EU members:

Moldavia;  
Bosnia Herzegovina  
Podgorica, Montenegro

**Please provide the list of interested regions or other entities** (other than national /regional authorities)

In addition to the national/regional authorities, there are other entities quite active in the Partnership :

Cluster Digipolis, named by Lapland Region to participate as member of the Sustainable Building Partnership  
University of Zagreb, North Croatia  
University of Kaunas, Lithuania  
University of Ljubljana, Central Slovenia, SI  
Cluster TECES, Podravska, SI  
Enercoutim, Industry, Algarve, PO  
Nova University of Lisbon, PO  
University of Faro, PO  
University of Almeria, Jaén and Málaga, ES  
Valencia Institute of Building, ES  
Czech Technical University in Prague, CZ  
Lappeenranta University, FI  
Karelia University of Applied Sciences, FI  
Aix Marseille University, FR  
Università Degli Studi Di Udine, IT.  
Università Degli Studi Di Trieste, IT  
Cluster Flanders Innovation and Entrepreneurship, BE.  
Slaskie Construction Cluster, PL  
TECES Energy Efficiency and Energy Conversion Cluster, SL

Please provide an overview of the **working areas** of your partnership

	Working area	Region in charge
1	Eco construction, bioclimatism and insulation of buildings	Lapland Region, Finland
2	Renewable energy integration in buildings, focusing on vulnerable groups.	Andalusia (ES)
3	Systems of maximum energy efficiency use in buildings and cities	Valencia (ES) Central Slovenia (SL) North Great Plain (HU)
4	Systems of maximum energy efficiency use in Universities Campuses	Regione Friuli Venezia Giulia (
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Please provide information regarding past meetings, workshops and dissemination activities (six months prior to filling out the survey)

	Event	Date	Place	Any other information
1	Working Meeting on Demo-case on Sustainable Solutions for Vulnerable Groups	16/01/2020	Manchester (UK)	Workshop organised by the University of Manchester in coordination with POWERTY Meeting
2	1st Regional Workshop on renewable energies for vulnerable groups	30/01/2020	Seville (ES)	Workshop organised in coordination with POWERTY Meeting
3	Interregional Smart Campus Workshop. Exchange of Experience for Smart Specialisation in University Campuses	17/06/2020	On line	Workshop organised by South Karelia (FI) in coordination with S3 Meeting
4	1st Regional Workshop on good practices on "Smartspecialisation in University Campuses"	23/01/2020	Seville (ES)	Workshop organised in coordination with S3 Meeting
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## Please provide information regarding planned future meetings, workshops and dissemination activities

	Event	Date	Place	Any other information
1	EXCESS Meeting	9/07/2020	On line	Presentarion of the Partnership to EXCESS partners, an HorizonEurope project on positive energy efficiency buildings. The objective of this Project is totally aligned with the objectives of the Partnship. In the future semesters the Partnership, as a partner of the Project, will have an important role in developing the bussines cases due to its experience in the Smart Campus Pilot.
2	2nd Regional Workshop on "Smartspecialisation in University Campuses"	8/07/2020	On line	Workshop organised in coordination with S3 Meeting
3	2nd Regional Workshop on renewable energies for vulnerable groups	16/07	On line	Workshop organised in coordination with POWERTY Meeting
4	Bulletin, monthly possible interesting issues: Horizon 2020, ECTP, Smart grid, new programming period, PPI,etc.	Monthly	On line	
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## II. Progress report

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### Innovative results

Please describe innovative results and achievements that could be attributed to the partnership (specific examples of results vs. objectives)

During the present reporting period innovative results and achievements of the sustainable building partnership has been focusing on the Interregional Smart Campus Pilot, Project. Concretely , during the present period it has been completed the business case for the technological solutions that were selected as pilot projects in previous periods: 1) Intelligent control management of electrical energy consumption and local information by smart plugs – TRL6; 2) Dynamic phase balancer – TRL6; 3) Smart Fancoil and Indoor Quality through IoT system – TRL 6; 4) Real-time control and monitoring of electrical distribution grid – TRL6.

The innovative projects will enable to improve the energy efficiency in university campuses by benchmarking existing solutions, sharing data on energy consumption, building a network of smart campuses and setting up jointly public procurement procedures. All pilot projects are focus on open innovation technology projects with high replicability value, in other public and private buildings as well as in other regions.

During the present reporting period the members of the partnership have completed the business plan for the three first pilots in order to give interregional valuable in the process for the commercialization and scaling up of these solutions and sent to the Commission. To elaborate the business plan, the Partnership received external support from different experts appointed by DG Regio.

Linked to the Smart Campus Pilot, during this reporting period we have continued with the implementation of the S3UNICA, a project financed under the Interreg Europe Program. This project has allowed the enlarge the consortium and go further in subjects connected to the technological development in Universities Campuses such as the policy and the financial framework. The first Exchange Experience between partner was held in June organised by Lappeenranta University together with South Karelia Region in Finland.

We have also continued developing the second thematic work area of the Partnership related to renewables for vulnerable groups, one of the demo-case selected at Innovation's Camp held in Brussels ( Oct 2017), through the activities developed in the POWERTY project, financed by Interreg Europe Program. Innovative results are expected in line with the RES technology solutions that are addressed in the project, including photovoltaics and other RES technologies. The first Exchange Experience between partner was held in January organised by Manchester where partners could exchange good practices related to innovative renewable solutions for vulnerable groups and possible further collaboration to develop these solutions.

Finally, new technologies for positive buildings are been tested in the EXCESS project, financed by Horizon2020. The Sustainable Building Partnership is participating in the project, through the Andalusian Energy Agency.

Tangible short- and medium-term socio-economic impacts achieved or expected (specific examples)

Taking into account the overall objectives of the partnership and the projects that are currently been developing, main impacts may be summarized at following main axes:

- overall energy efficiency and environmental impact accomplished: in this sense measures taken as a result of partnership work which successfully improve energy efficiency and reduce energy consumption of buildings, in order to have for instance 100% eco-campuses, or even produce more energy than they use, with high RES self- consumption rate

- economical saving impact for the regions: as we can see at some of the demo-cases, the implementation of some of the energy efficiency measures may accomplishing environ 25% of saving at energy bills of public buildings and in University at campuses.

- environmental impact: raising awareness among European consumers.: promising improvement of consumer's lack of information regarding grid and energy and environment issues are also being detected.

- socio-economic impact: for the regions the sustainable construction sector is one of the most important energy motors in European economies in some of the participating regions with high value in terms of job creation and maintenance of SMEs jobs.

- Concerning the RES for vulnerable groups additional impacts are expected on social economy, and well-being of vulnerable groups

At the end of January the Smart Campus Initiative has provided to the European Commission an Exit Strategy for the Smart Campus Project and a Business and Innovation Investment Plan, both for the Updating of a Business Plan of the Sustainable Buildings Partnership –Smart Campus Project.

## **Inter-regional and inter-partnership collaborative results**

Additional results obtained from working with other partnerships under the thematic S3 Platforms (specific examples)

Continuous of the links with the Industrial Modernisation Platform developed during last reporting period. As reported in the previous report, going on with the networking activities with the Energy Efficiency Buildings Public Private Partnership within the European Construction, built environment and energy efficient building Technology Platform (ECTP) (<http://e2b.ectp.org/>). and new contacts with the Science Hub under the Ecoconstruction.

Several meetings have been held with the leaders of other Partnerships in different thematic Platform such as the Traceability & Big Data Traceability & Big Data in the Agri Food Platform, or the Partnership on Advanced Material for Batteries to share the progress made.

Evaluation of the involvement of relevant business sector (clusters, SMEs, business associations, chambers of commerce, Digital Innovation Hubs (DIHs), etcetera) in the Partnership activities (specific examples)

We would like to mention that Businesses partners are involved in the different working groups, some of the leading:

Valencia Sustainable Construction Cluster (ES), Slaskie Construction Cluster (PL), Lapland ICT Cluster (FL), Cluster Flanders Innovation and Entrepreneurship, TECES Energy Efficiency and Energy Conversion Cluster (SI)

The involvement of industry and innovative universities and Institutes as an integral part of the Smart Campus pilot projects activities will be also be highlighted.

As a general remark we consider the necessity of further involvement of regional industries as a guarantee for the sustainability of the partnership. During the next period we would like to focus on activities and documentation in this area, including training activities for start-up that may have their origin in universities.

Evaluation of whether the level of inter-regional cooperation is sufficient to potentially provide practical and relevant socio-economic impacts (specific examples)

After last period effort on monitoring of the commitment of partners considering the updating of Letter of commitment and to more active interregional cooperation, and searching for financing under different European programmes, the partnership has reach to get financed by the Interreg Europe and HorizonEurope2020 proposals on three key issues, Energy poverty, Smartspecialization on University Campuses and Positive Buildings, these projects are a way of financing to increase inter-regional cooperation especially concerning research and academia and the industry. Concerning the participating regions at those projects the collaboration is excellent and has allowed to extent the Sustainable Building Partnerships to more regions.

## New activities

Involvement of regions from EU13 Member States in the Partnership, in particular with respect to scoping, mapping and/or matchmaking. In addition, justification should be provided if no EU13 regions are involved

As reported in the previous report, consolidation of the involvement of the EU 13 Member States has been extremely important within this Partnership. Regions from 8 out of 13 EU13 Member States are members of the Sustainable Buildings Partnership. In this sense we would like to mention that two of the partnership co-leaders are the North Great Plain region of Hungary and the North-Croatia Energy Agency. The region of Central Slovenia and the University of Ljubljana is one of the participating regions in the Smart Campus pilot selected by DG REGIO.

TECES Energy Efficiency and Energy Conversion Cluster (Slovenia) has committed to co-lead the Topic on Systems of maximum energy efficiency use in buildings and cities

Finally, regions from EU13 Member States have signalled interest in participating in the development of four pilot ideas produced in the partnership: RES apply to vulnerable Groups, new technologies applied to near zero public buildings, creating a living lab-based laboratory to foster energy efficiency and energy sufficiency in large panel building systems and low carbon wood robust construction.

Involvement of regions/countries from outside of EU28 Countries. (Number of participants from non-EU countries (specify their contribution)

As reported in previous report, Bosnia-Herzegovina (BH) is a partner and Moldavia has expressed its interest in joining the partnership. Also, the Partnership is exploring possibilities to establish cooperation links outside EU in several countries in Iberoamerica and North Africa (Tunisia in April). In this sense a new Project called SOLE has been started in May to Foster energy rehabilitation in Buildings in Mediterranean countries (including Egypt, Jornia, Tunis and Lebanon).

Advancement and promotion of the Partnership through publications and other communication/outreach activities (number of outreach activities that resulted from the partnership)

As reported previously, the Sustainable Building Partnership has been continuing of elaborating and sending an on-line Bulletin, concerning interested issues of the partnership as Horizon 2020, Innovation Hubs, Interreg Europe, , etc. In close collaboration with the topic leaders.  
Also an important issue has been the link made with the Industrialisation platform, and reinforcing links with the EdP ECP Platform

Activities and projects with partnerships working under other S3 Thematic Platforms (AgriFood, Energy and Industrial Modernisation)

As reported in the last period report, reinforcing the relation between the Sustainable Building Partnerships and the Industrial Modernisation Platform has been one of the main activities. In that sense. contacts have been established with the Smart Regional Investments in Textile Innovation to develop new projects. S3 Platform and the different Thematic Platform have provided the right contacts for new initiative across Europe and for this, the interrelation between different partnerships has to be foster.

Also links with Agri-food has been made through the participation of Els Van de Velde, expert at IDEA consult and current expert of the Agri-food partnership.

Trough the coordinator, the Sustainable Buildings Partnership is connected with the Thematic Platform on Agri-food, specifically with the Partnership on Traceability & Big Data, led by the Andalusian Regional Ministry of Agriculture, sharing with them, as a leader of the Partnership, general issues as the governance of the Partnerships or the approach in the development of the different pilot projects.

## Your Partnership and the UN 2030 Sustainable Development Goals (SDGs)

The EU has a strong position when it comes to sustainable development and is also fully committed to be a frontrunner in implementing the UN's 2030 Agenda, together with its member countries and regions. Many interregional partnerships under the thematic S3 Platforms contribute strongly to the attainment of these 17 goals.

**Please indicate to which Sustainable Development Goals and to what extent your thematic Partnership contributes?**

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Not applicable
Goal 1. End poverty in all its forms everywhere	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Goal 2. End hunger, achieve food security and improved nutrition & promote sustainable agriculture	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 3. Ensure healthy lives & promote well-being for all at all ages	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 5. Achieve gender equality & empower all women and girls	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 6. Ensure availability and sustainable management of water and sanitation for all	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment & decent work for all	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialisation & foster innovation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 10. Reduce inequality within and among countries	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 11. Make cities & human settlements inclusive, safe, resilient and sustainable	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 12. Ensure sustainable consumption & production patterns	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goal 13. Take urgent action to combat climate change and its impacts	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<p>Goal 14. Conserve and sustainably use the oceans, seas &amp; marine resources for sustainable development</p>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss</p>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>Goal 16. Promote peaceful &amp; inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels</p>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>Goal 17. Strengthen the means of implementation and revitalise the Global Partnership for Sustainable Development</p>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

