



S3PEnergy Partnerships

Partnerships on Sustainable Buildings

Bilbao, 28 nov 2018
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Working meeting

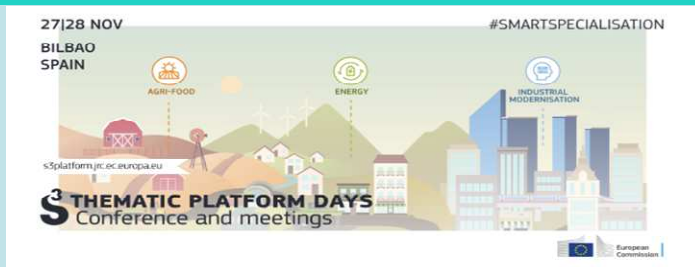
Agenda



- **Welcome by European Commission, JRC. (tbc)**
- **Brief presentation of advance of the partnership. Andalusian Energy Agency**
- **Pilot project development (leaders, interested partners, focusing the theme, foreseen budget and financing, bottlenecks, etc) on following foreseen pilot projects. :**
 - **Advance on the Smart Campus Project. Joaquin Villar and Marisa Borra, Andalusian Energy Agency, Andalusia, Spain**
 - **Working group on Wood, Bioclimatism and Circular Economy: Sustainable Construction with Timber presentation of pilot project Titty Ahoranta, Digiopolis, Lapland Finland**
 - **Creating a Living Lab-based laboratory to foster energy-efficiency and energy-sufficiency of large panel building systems, Gabor Vámosi, Lenerg, Észak-Alföld-North Great Plain, Hungary**
 - **And New Technologies concerning NZEB applied to public buildings, Miriam Navarro Escudero, Five, Valencia Region, Spain**

Working meeting

Agenda



- **Other project ideas from partners**
 - **New project idea Energy Efficient and Flexibility Ready Smart Building Matej.Gajzer, TECES,**
 - **New projects ideas on "Biofuels in Buildings"**
 - **Alfredo Cadórniga Pedrosa , EREN**
 - **Passive Bioclimatic Solutions",**
 - **César Valmaseda, " Technological Centre-Cardiff, Castilla and Leon**
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- **Interactive discussion**
 - **Conclusion and remarks**

Partnership on Sustainable Buildings

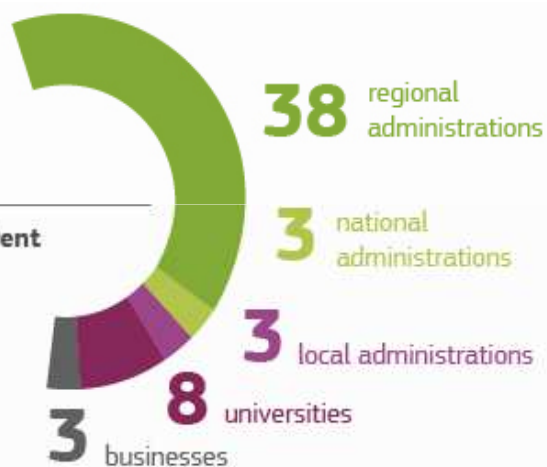
Partners

Current Composition



Participants

55 Entities from 45 different regions / Member States



Increasing number of entities interested (in Denmark, Sweden, international entities etc)



Partnership Scope



Eco-construction, bioclimatism and insulation of buildings

Areas of interest/work for your partnership



Systems of maximum **energy efficiency** in buildings and cities

Topic 1: New materials with low carbon footprint

Topic 2: Innovative constructive processes: light prefabrication of low-cost housing, advanced manufacturing for new construction elements

Topic 3: Bioclimatic solutions based on green bio elements (in roofs, facades etc.)

Topic 1: Innovative solutions of high energy efficiency: evaporative cooling, LED lighting, microcogeneration....

Topic 2: Smart energy management systems and IoT Internet of Things :

Topic 3: Advanced solutions for energy rehabilitation of historical heritage buildings



Renewable energy integration in buildings

Topic 1: Climatisation with renewable energies

Topic 2: Self-consumption and energy storage

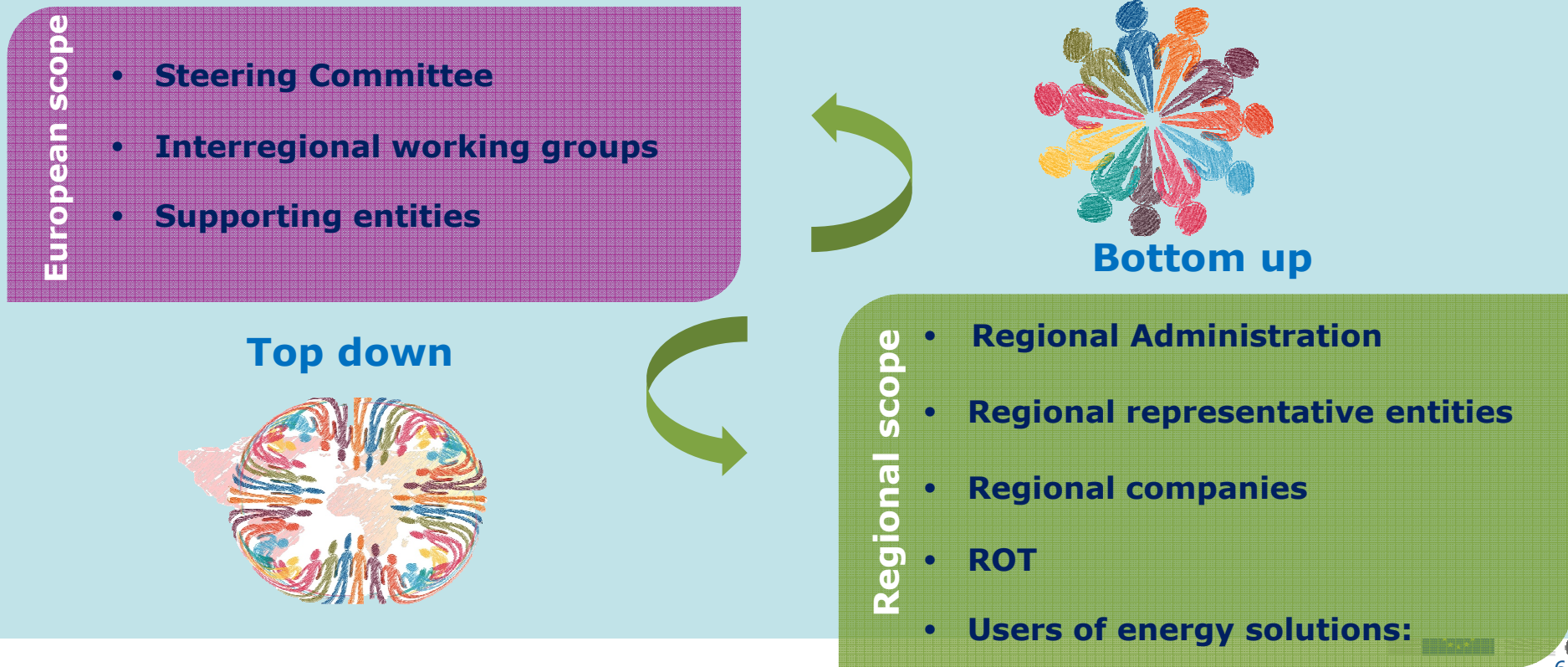
Topic 3: Low cost solutions aimed at vulnerable groups



European
Commission

Partnership Management

Partnership Building Dynamic



Partnership Participation

Partnership Building Dynamic

Share responsibilities of partnership management with co-leading region

Topic	Coordinator
Leader	Andalusian Energy Agency, Spain
Co - Leader	LENERG (Hungary) and REGEA (Croatia)
Eco construction, bioclimatism and insulation of buildings	Lapland Region, Finland
Renewable energy integration in buildings	Confirmed new Regione Friuli Venezia Giulia
Systems of maximum energy efficiency use in buildings and cities	Confirmed IVE Valencia Institute of Building and TECES cluster Slovenia

Partnership Participation

Incorporate new partners

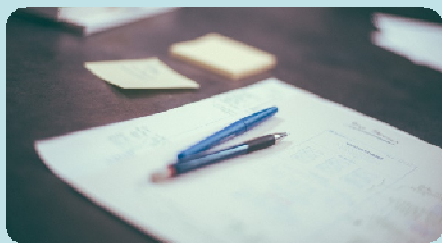
- Letter of support
- Open survey to map their capacities

OPEN SURVEY: In order to identify synergies and complementarities in the sustainable buildings sector among the participating regions in the Partnership, partners are requested to fill in this brief survey (one questionnaire per region/Member State).
https://ec.europa.eu/eusurvey/runner/Encuesta_Entidades_publicas (Password: partenariado)

INFO: Template of **letter of support or commitment** of the participating regions / MS available [here](#).

Partnership activities

Review on the Partnership strategic documents



Participation in European events



Elaboration of a Map of capacities - Survey



Opening of collaboration business offers

Implementing the first pilot project: Smart Campus project

Partnership Projects

Activities/Projects/Pilots within you partnership

Ongoing projects

- *Smart Campus*

Other projects

- *Creating a Living Lab-based laboratory to foster energy-efficiency and energy-sufficiency of large panel building systems*
- *New Technologies concerning NZEB applied to public buildings*
- *Low carbon wood robust construction*

Partnership New Offers

- **Project ideas development and financing**
 - **leader**
 - **complete the project idea's partnership**
 - **tasks and schedule**
 - **expected outcomes and results**
 - **financing**
 - **dissemination: project ideas at the web page, flyers**

Partnership New Offers

THEMES	Description
1. Reference theme	
2. Action line	
3. Name of offer of collaboration	
4. Entity that presents the offer	
5. Member of the Partnership that supports the offer	
Annex. Including data of the entity.	

Partnership Projects

THEMES	Description
1. SCOPE - Brief history of the project:	The scope of the project, briefly describing its main characteristics, the phase it is currently in and the opportunities for collaboration that it wants to take advantage of will be presented.
2. CURRENT MARKET AND POTENTIAL:	Description of the size and characteristics of the market associated with the products or services that are developed as object of the project, of its current state as well as the expected state.
3. ADDED VALUE SOUGHT BY THE COLLABORATION:	The added value of the products or services achieved as a result of the interregional collaborations (whether technological, social, regulatory, etc.) will be described in comparison to their current market situation.
4. ACTORS OF THE VALUE CHAIN:	The actors of the value chain required for the implementation of the collaborative project (design, manufacturers, distributors, execution of works, energy services, recycling, raw materials, etc.) will be defined.
5. REPLICABILITY:	It will be indicated if the solutions developed in the framework of the project could be implemented in other European regions.
6. OFFER OF REGIONAL SUPPORT (and in the case of their national or European entities):	The existing or foreseen regional, national or European support instruments in relation to the development of the collaboration project will be described.

Partnership Projects

Smart Campus Project

One of the eight projects selected under call launched by EC to pilot interregional innovation projects

Objective: to improve the energy efficiency of University Campus

Regions involved:

1. Andalusian, LR (Spain)
2. Friuli Venezia Giulia Region, SC (Italy)
3. Central Slovenia - Osrednjeslovenska (Slovenia)
4. South Karelia (Finland)
5. Provence-Alpes-Côte-d'Azur (France)
6. Algarve Region (Portugal)

Support from EU: advice for scale-up and commercialization



Partnership Projects

Smart Campus Project

1. University of Trieste (Italy)
2. University of Udine (Italy)
3. University of Ljubljana (Slovenia)
4. University of Malaga (Spain)
5. Lappeenranta University of Technology (Finland)
6. University of Algarve (Portugal)



1. Directorate of the Energy Service - **RAFVG** (Italy)
2. Andalusian Energy Agency - **AAE** (Spain)
3. Lappeenranta City - **LAP** (Finland)
4. Energy Directorate - **SED** (Slovenia)
5. Agence des villes et territoires méditerranéens durables - **AVITEM** (France)
6. Areal Regional Energy and Environmental Agency - **AREEA** (Portugal)

1. **ABB SpA** - *industrial supplier*
2. **Blue Energy Group SpA** (Italy) - *energy trader*
3. **OverIT** (Italy) - *ICT for energy enterprises*
4. **Technological Corporation of Andalusia** (Spain) - *PPP*
5. **Green Energy Showroom**, *cluster* (Finland)
6. **Iskraemeco** - *energy collector* (Slovenia)
7. **GEN-I** - *energy supplier* (Slovenia)
8. **Enercoutim**, Alcoutim Solar Energy- *association* (Portugal)

1. **Academic** :students, professors and staff from the related campus.
2. **AEIT** (Italian Association of Electrical, Telecommunication, Automation and Computer Engineers) - *Network of stakeholders, FVG Section* (Italy)
3. **REDEJA** - *Energy Management Network of the Andalusian Regional Government* (Spain)
4. Responsible for **maintenance of public buildings** in the regions involved.

Partnership Projects

Smart Campus Project



Eco-construction, bioclimatism and insulation of buildings



Renewable energy integration in buildings



Systems of maximum **energy efficiency** in buildings and cities

WP1: Smartness Assessment of



- **Survey among University Campuses**
- **Survey among Industrial Stakeholders**

WP2: Interregional Innovative Pilot Cases



- **Business Plan** of selected Pilot Cases
- **Commercialization and scale up** of selected Interregional Innovative Pilot Cases
- **Technical and legislative solutions** to Pilot Cases bottlenecks
- **Blending of funds** to support the Pilot Cases realization

WP3: Definition of Smart Campus requirements



- **Policy dialogue** among Regions
- **University Buildings Energy Efficiency Roadmap** for the Development of Smart Campuses

Next Steps

Next meetings partnership?



Next working meetings of the Sustainable Building:

- Sustainable Building, Marseille 19th- nov 2018
- Sustainable Building, Bilbao 27th-29th nov 2018
- Sustainable Building, EUSEW, June 2019 (tbc)
- Sustainable Building, Week of Regions, October 2019 (tbc)

Smart campus meeting:

- Smart Campus, Marseille 19-20thNov 2018
- Smart Campus, Lappenranta, March 2019
- Smart Campus, Algarve January 2019 (tbc)
- Smart Campus, Slovenia 2019 (tbc)



Next Steps

Interactive Discussion



➤ **Interactive Discussion, Bilbao 28th nov 2018: Interactive discussion on the role of the Platform horizontal issues (bulletin, technical visits, new legislation, new events) DAFO (key issues: standardization, IPR, etc) and services in the next period 2021-2027. To discuss on following issues:**

- 1. What kind of issues and projects will be a priority for your entity in the next period?**
- 2. What kind of projects may be suitable to be developed within the partnership?.**
- 3. What kind of activities are of your interest within the partnership?**
- 4. What type of bottlenecks you encounter when developing an innovation project?**
- 5. What kind of support may be provided by the partnership when developing interregional innovation actions?**
- 6. What kind of networking activities and services do you envisage within the partnership for next period?**

Next Steps

: Next steps horizontal issues.



- **Next steps:**
- **Development of industrial projects for smart campus**
- **Development of pilot-project from Demo-cases**
- **Internal Bulletin**
- **Proposals/Suggestions:**
- **Financing Platform (ECNetwork, Denmark)**
- **Alliance Internet of Things.**
- **Participating in European projects as partner in H2020, Interreg Europe, etc.**
- **Integration of the Partnership in European initiatives**

Next Steps



What are the next steps for your partnership?

Arctic Wood Building and
Circular Economy Forum
May 23-24, 2018



**REGIONS
& CITIES**
European Week | Brussels
8-11 October 2018

Next steps:

- Development of industrial projects for smart campus
- Concretion of new pilot-projects and :
 - *Creating a Living Lab-based laboratory to foster energy-efficiency and energy-sufficiency of large panel building systems*
 - *New Technologies concerning NZEB applied to public buildings*
- For the new pilot – projects, creation of working groups and involvement of regional actors
- Implementation of the pilot – projects and development of the business plans

S3PEnergy Partnerships

Partnerships on Sustainable Buildings

more info:

<http://s3platform.jrc.ec.europa.eu/sustainable-buildings>

Partnership on Sustainable Buildings

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Bilbao, 28 nov 2018

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