Fostering public capacity to plan, finance and manage integrated urban REGeneration for sustainable energy uptake

D4.2 Capacity building materials

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<table>
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<tr>
<th>VERSION</th>
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<th>EDITORS</th>
<th>COMMENT</th>
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<tr>
<td>1.0</td>
<td>01-07-2016</td>
<td>Tomislav Pukšec (SDEWES), Antun Pfeifer (SDEWES)</td>
<td>Draft version for review</td>
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<td>1.1</td>
<td>23-09-2016</td>
<td>Tomislav Pukšec (SDEWES), Antun Pfeifer (SDEWES), Neven Duić (SDEWES), Milan Vujanović (SDEWES)</td>
<td>Draft version for review</td>
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<td>1.2</td>
<td>4-11-2016</td>
<td>Tomislav Pukšec (SDEWES), Antun Pfeifer (SDEWES), Goran Krajačić (SDEWES), Neven Duić (SDEWES), Milan Vujanović (SDEWES)</td>
<td>Draft version for review</td>
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<td>1.3</td>
<td>29-11-2016</td>
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<td>Final draft</td>
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Table of content

Executive summary ........................................................................................................... 5
1 Introduction ....................................................................................................................... 6
2 Materials dissemination plan .......................................................................................... 7
3 Literature review – previous projects and initiatives ....................................................... 8
  3.1 Initiatives....................................................................................................................... 8
  3.2 Previous projects on the EU level ................................................................................. 9
4 General materials for all countries and the EU level .................................................... 16
  4.1 Materials common to all countries ............................................................................. 17
  4.2 Materials specific for the given country ..................................................................... 18
  4.3 Materials produced for the online section of training activities ............................... 18
  4.4 Verification materials .................................................................................................. 19
    4.4.1 Verification of materials prior to distribution ...................................................... 19
    4.4.2 Verification materials for capacity building events ............................................. 19
5 Specific materials in Spain ............................................................................................... 19
  5.1 Standard materials for all actions .............................................................................. 20
  5.2 Specific materials created for each action .................................................................. 20
  5.3 Materials to be distributed on the EU level .............................................................. 23
6 Specific materials in the Netherlands ............................................................................. 24
  6.1 Standard materials for all actions .............................................................................. 25
  6.2 Specific materials created for each action .................................................................. 25
  6.3 Materials to be distributed on the EU level .............................................................. 27
7 Specific materials in Croatia ............................................................................................ 28
  7.1 Standard materials for all actions .............................................................................. 29
  7.2 Specific materials created for each action .................................................................. 29
  7.3 Materials to be distributed on the EU level .............................................................. 32
8 Specific materials on the EU level .................................................................................. 33
  8.1 Standard materials for all actions .............................................................................. 34
  8.2 Specific materials created for each action .................................................................. 34
  8.3 Specific way of delivering materials with feedback options ..................................... 34
  8.4 Dissemination ............................................................................................................. 35
9 ANNEXES ...................................................................................................................... 36
  9.1 Specific Training Material from the Netherlands ....................................................... 36
  9.1.1 Community of Practices – Follow up WP3 Strategies - Process Plan of Actions .36
  9.1.2 Example presentation of FosterREG masterclass (as presented on a working
       session with 40 professionals - real estate developers, municipalities and urban planners) )37
  9.2 Annex 2: FosterREG Spanish Cluster Actions Programs ........................................ 41
  9.3 Capacity building materials from the Croatian national cluster ............................. 46
  9.4 Capacity building materials for the EU level (webinar and common materials) .... 46
List of tables
Table 1 Literature review - past projects .................................................................10
Table 2 Capacity building actions in Spanish national cluster ..................................20

List of figures
Figure 1 New capacity building materials development process .............................17
Executive summary

**FosterREG** aims to build the capacity of public institutions to incorporate energy efficiency measures in the planning, management and financing of integrated urban regeneration. To achieve this objective improvement of horizontal integration between the different departments of the public administrations, as well as multilevel coordination is needed. The project is developed in The Netherlands, Croatia and Spain.

Work Package 4 “Capacity building” focuses on the planning and deploying of the appropriate training activities, as well as on the creation of the necessary materials. The most relevant target audiences at national and European levels will be identified as a result of the previous tasks, a training plan will be developed, and specific materials and modules will be developed for them to address the previously identified barriers, as well as to take advantage of the most promising opportunities, through improvements in multilevel coordination, regulation, management and financing.

Work Package 3 “Collaborative Analysis and Proposals” was conducted in each country according to the expertise of national clusters, which had the discretion of choosing different ways to conduct the process, given the specific differences of each of the countries. Due to these differences, as well as general differences in cultural, economic and social factors in each country, the WP 4 will also be conducted in the most appropriate way for each country.

Results of WP3 are delivered through reports D3.2 – D3.4. Through those reports, an overview was given on how the collaborative analysis approach (CAA) was conducted in each country. The CAA was a successful bottom-up approach which enabled the FosterREG consortium to gain a lot of information from stakeholders involved in energy efficiency (EE) and urban regeneration (UR) projects. The result of the process was comprehensive overview of the barriers to the integration of EE in UR projects and the stakeholders view on new proposed paradigm of integral EE in UR projects on the level of a city district.

Solutions which stakeholders were able to identify and the strategies created in CAA proposed to foster the implementation of those solutions were the starting point for identification of the key issues common to all clusters. These key issues are:

- Awareness and improving the capacities of public officers
- Enhancing funding schemes and financial instruments
- Developing and fine-tuning legislation
- Improving integration and coordination

At European level, as a result of the common workshop, the consortium validated their bottom-up analysis findings, discussed the key issues with the broader community and presented their recommendations through report D3.5.

All of these results are to be used in WP 4, as a basis for the creation of appropriate training activities, materials for training activities and they represent the roadmap of experience which the FosterREG consortium has gained. This experience will help raising capacities and skills of public officers in each of the target countries and all over the EU.

In D4.2 “Capacity building materials” a list and short description of the developed materials, to be made available for the capacity building activities, is presented.
1 Introduction

Following the completion of the Collaborative Process, carried out through a series of national as well as EU wide workshops, strategies in each project country were derived as the result of WP3.

Next task is the capacity building, the core of FosterREG project, in which the aim is to provide targeted stakeholders with new knowledge and understanding, fostering their capacity for planning, financing and implementation of energy efficiency measures integration into urban regeneration on the scale of city district.

This task will deal with planning of the capacity building activities to be carried out during the second year of FosterREG, building on the results from WP2 and WP3, as well as the creation of the necessary content for different capacity building activities during the project. Building on the results of WP2 and WP3, training materials addressing key issues related to regulation, management and financing as well as awareness will be developed. They will target the appropriate levels of the public sector, highlighting best practices and addressing barriers and challenges identified during previous work. The material developed will also be publicly available through the project’s website.

As a part of the Capacity Building activities, a dedicated section on financial aspects will be developed, which will cover the national energy efficiency obligation schemes and the Energy Efficiency National Funds, envisaged in Article 20 of Directive 2012/27/EU as a support for the abovementioned obligation scheme.

In this document, the actions that will be undertaken by all the national clusters is described in more detail, with particular attention given to the materials that will be used in this part of the project.

In chapter 2 the dissemination plan for the created materials is described in detail, to clarify for the public, as well as the consortium itself, where and how the materials will be made available.

In chapter 3 previous efforts and projects concerning energy efficiency and urban regeneration were reviewed and the benefits of their results will be harnessed in the capacity building activities.

In chapter 4 the materials and approaches that are common to the capacity building in all the countries and the EU are explained in detail.

In chapters 5, 6 and 7 national capacity building actions, specific approaches and materials are described in detail.

Chapter 8 is dedicated to the capacity building on the EU level, through a webinar. Materials for this action, approach to dissemination and materials collection are described in this chapter.

In chapter 9 the annexes and currently developed materials are attached.
2 Materials dissemination plan

The materials developed for the training in each country will be published on the project website, under the training section. The training section should be divided into: general section and one section for each country in which the capacity building actions take place.

Common materials provided for the EU level (available also through the webinar) will be published in the separate section from the specific materials for each country.

Specific materials are available on national language and will be published as such. They include all materials which are not common or translation of common materials (published in “general” section). Specific materials in this section may include results of the capacity building events and reports about events.

Printed general information materials should include booklets that elaborate the themes identified as major issues through the course of the FosterREG project. These general information materials should be created also as online materials. All general information printed materials should be created in national language and in English. Versions in national language may include the specific additional chapters dedicated to the capacity building actions which are held only in the country from which they originate. Other printed materials include workshop sheets with tasks for training and specific materials for each country. These materials are published in the section of each country.

Materials created specifically for the EU level capacity building through the webinar are included in the general section. If the materials are interactive (questionnaires, tasks) they are published on the project website in pdf. Archive of the video lessons or live coverage of some capacity building event is also published in the section dedicated to the EU level capacity building.

Since materials are divided into project and subject materials, the latter will be uploaded on the project website at the same time as the news about the training activities being held at the same location.

Online materials, except for downloadable versions of printed materials, will include among others questionnaires for online indirect training and tests with solutions which represent typical cases of new paradigms.

Registered participants of the capacity building events will receive the FosterREG booklet in pdf (dissemination through use of the contacts which participants provide on the signing sheets of each event), if they haven’t received the printed version at the event.
3 Literature review – previous projects and initiatives

The materials for training the public officers to plan, finance and implement integral energy efficiency in urban regeneration projects should be informative about the road the EU has travelled so far in the field. This will be done through previous and currently ongoing or active initiatives and projects. This chapter brings a short literature review which helped to develop quality materials for the capacity building process, featuring the initiatives and projects which have previously developed helpful tools and materials. This materials can be modified and interpreted for the purpose of training actions.

3.1 Initiatives

Initiatives that are currently active on the EU level can be the source of useful information, methods and materials to be used in capacity building process. Some of the most relevant initiatives are listed below.

**URBACT - European Regional Policy: Promoting sustainable urban development in Europe**

The URBACT Initiative aimed at drawing up and implementing innovative strategies for regeneration in small and medium-sized towns and cities or of run-down urban neighbourhoods in larger cities. In addition, URBACT sought to enhance and exchange knowledge and experience from sustainable urban regeneration and development in the EU.

The URBACT I and II Community Initiatives have put the integrated approach into practice in around 200 cities around Europe. They mainly focused on physical regeneration of deprived urban neighbourhoods, local economic development, environmental issues, mobility and public space, local employment and cultural initiatives.

URBACT I (1994-1999) Initiative financed programmes in 118 urban areas with a total of 900 M€ of Community assistance. Around 3.2 million people lived in the supported areas and projects focused on the rehabilitation of infrastructure, job creation, addressing social exclusion and environmental improvements.

URBACT II (2000-2006) Initiative continued previous efforts and commitment to support the best development and regeneration strategies in the EU cities. A total of 730 M€ was invested in sustainable economic and social regeneration in 70 urban areas throughout Europe with the support of this Community Initiative.

Resulting in a common European ‘Acquis Urbain’ and URBACT mainstreaming, the URBACT Community Initiatives emphasised a concentration of funding on selected target areas, the increased involvement of citizens and local stakeholders as well as a stronger ‘horizontal’ coordination of urban regeneration measures as main elements of an integrated approach towards urban development. This approach is continued in the period 2007-2013.

**THEMES COVERED BY THE INITIATIVE:**

- Developing a city-wide vision that goes beyond each project:
  - The integrated approach as an added value
  - Financing and investing with lasting effects
  - Creating strong local and regional partnerships
  - Profiting from knowledge and exchanging experience
  - Monitoring the progress

**Local partnership and exchanging good practice across Europe - the URBACT method in action**

Partnership with local authorities – helping cities to help themselves

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1 [The URBAN initiative – URBACT Projects](#)
- Involving the local community
- A systematic learning cycle
- An integrated approach to urban needs
- Reinforcing competitiveness
- Tackling social exclusion
- Physical and environmental regeneration

**ENERGY CITIES**

Energy Cities is the European Association of local authorities in energy transition. From 2015 to 2017, Energy Cities is under the Presidency of the City of Heidelberg (DE) with a Board of Directors of 11 European cities. The association created in 1990 represents now more than 1,000 towns and cities in 30 countries.

Main objectives:
- To strengthen your role and skills in the field of sustainable energy.
- To represent your interests and influence the policies and proposals made by European Union institutions in the fields of energy, environmental protection and urban policy.
- To develop and promote your initiatives through exchange of experiences, the transfer of know-how and the implementation of joint projects.

**COVENANT OF MAYORS**

The Covenant of Mayors for Climate and Energy brings together local and regional authorities voluntarily committing to implementing the EU’s climate and energy objectives on their territory. This bottom-up movement, which started in 2008 with the support of the European Commission, now counts over 6,500 signatories. In 2015, the initiative took on new objectives: the Covenant of Mayors for Climate and Energy steps up the initial CO₂-reduction commitment and includes adaptation to climate change.

Signatory local authorities share a vision for making cities decarbonised and resilient, where citizens have access to secure, sustainable and affordable energy. They commit to developing Sustainable Energy and Climate Action Plans for 2030 and to implementing local climate change mitigation and adaptation activities.

This initiative is complementary to the FosterREG activities from the sustainable energy planning perspective and possible collaboration would foster the changes in action plans of cities included.

### 3.2 Previous projects on the EU level

FosterREG consortium members are active on other projects which address similar or the same field. These projects also deal with creation of quality materials and cooperation can be established in order to help the development of FosterREG materials. This section lists the projects financed by the EC through research and innovation or research and development programs, like Intelligent Energy Europe, FP5, FP6 and FP7. Projects listed in this section developed useful materials, elaborates, tools and methodologies which are used to create FosterREG capacity building materials.
<table>
<thead>
<tr>
<th>Project / Initiative</th>
<th>Web</th>
<th>Fund</th>
<th>Year</th>
<th>Topic</th>
<th>Material</th>
<th>Relevance</th>
</tr>
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<tbody>
<tr>
<td>FASUDIR</td>
<td><a href="http://f">http://f</a> asudir. eu/</td>
<td>FP7</td>
<td>2013-2016</td>
<td>Friendly and Affordable Sustainable Districts renovation (FASUDIR) Development of an Integrated Decision Support Tool (IDST) for urban planners and other stakeholders to develop sustainable energy retrofitting actions at both building (public/ private) and district levels</td>
<td>Deliverables, tools, case studies.</td>
<td>Several deliverables with the subject of urban regeneration on a district scale, Integrated decision support tool, case studies.</td>
</tr>
<tr>
<td>ZenN</td>
<td><a href="http://www.ze">http://www.ze</a> nn. fp7.eu/</td>
<td>FP7</td>
<td>2013-2017</td>
<td>Nearly zero energy Neighbourhoods (ZenN) project.</td>
<td>Deliverables, reports</td>
<td>Several deliverables regarding the ownership structures and nZEB regeneration definitions. Feasibility (technical, financial and social) of innovative low energy renovation processes for buildings at the district scale. Promising management and financial schemes</td>
</tr>
<tr>
<td>PAPIRUS</td>
<td><a href="http://papirus">http://papirus</a> - project. eu/</td>
<td>CIP</td>
<td>2013-2016</td>
<td>Public Administration Procurement Innovation to Reach Ultimate Sustainability (PAPIRUS). To promote, implement and validate innovative solutions enabling the European community to achieve sustainable construction</td>
<td>Deliverables, presentation</td>
<td>Presentation s and documents aimed at building capacity of administratio n to plan and implement public procurement and tenders, to handle market and finance the innovation</td>
</tr>
<tr>
<td>Certus</td>
<td><a href="http://www.ce">http://www.ce</a> rtus- project. eu/</td>
<td>IEE</td>
<td>2014-2016</td>
<td>Cost Efficient Options and Financing Mechanisms for nearly Zero Energy Renovation of Existing Buildings Stock</td>
<td>Deliverables, tool</td>
<td>The project developed case studies, finance schemes suitable for each municipality, energy</td>
</tr>
<tr>
<td>Service models and online tool for nZEB renovation</td>
<td>Integration of RES and application of innovative legislation</td>
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<td><strong>TetraEner</strong></td>
<td><strong>FP6 Concerto</strong></td>
<td><strong>2005-2010</strong></td>
<td><strong>&quot;Optimal balancing of demand and supply through RES in urban areas&quot; - TetraEner</strong></td>
<td><strong>Deliverables</strong></td>
<td><strong>Creating residential communities where external energy dependency is reduced by optimizing the supply/demand balance through an improvement in energy efficiency and the use of renewable energy sources, together with demand monitoring and control applications.</strong></td>
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<td><strong>Open House</strong></td>
<td><strong><a href="http://www.openhouse-fp7.eu/">http://www.openhouse-fp7.eu/</a></strong></td>
<td><strong>FP7</strong></td>
<td><strong>2010-2013</strong></td>
<td><strong>&quot;Benchmarking and mainstreaming building sustainability on the EU based on transparency and openness from model to implementation&quot; - Open House</strong></td>
<td><strong>Methodology, indicators, case studies</strong></td>
<td><strong>Assessment guides and tools: how to assess a building with the OPEN HOUSE methodology</strong></td>
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<td><strong>Planning the projects</strong></td>
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<tr>
<td><strong>PIME’S</strong></td>
<td><strong><a href="http://www.pimes.eu/">http://www.pimes.eu/</a></strong></td>
<td><strong>FP6 Concerto</strong></td>
<td><strong>2010-2015</strong></td>
<td><strong>&quot;Concerto communities towards optimal thermal and electrical efficiency of buildings and districts, based on microgrids&quot; PIME’S</strong></td>
<td><strong>Deliverables, finance models, guidelines for large scale implementation</strong></td>
<td><strong>Three communities (Spain, Hungary and Norway) working together on RTD, demonstration and dissemination in order to develop “lighthouse” sustainable residential projects</strong></td>
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<td></td>
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<td><strong>Awareness, planning of lighthouse projects</strong></td>
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<tr>
<td><strong>PROFICIENT</strong></td>
<td><strong><a href="http://www.proficient-project.eu/">http://www.proficient-project.eu/</a></strong></td>
<td><strong>FP7</strong></td>
<td><strong>2012-2016</strong></td>
<td><strong>PROFICIENT, aimed at EeB based collective self-organized housing.</strong></td>
<td><strong>Tools, deliverables</strong></td>
<td><strong>Financial and decision making tools, elaborations regarding blocks and Financing the projects, perspective of home-owners</strong></td>
</tr>
<tr>
<td>Project</td>
<td>URL</td>
<td>FP</td>
<td>Years</td>
<td>Description</td>
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<tr>
<td>ECODIST R-ICT</td>
<td><a href="http://ecodistr-ict.eu/public-resources/">http://ecodistr-ict.eu/public-resources/</a></td>
<td>FP7</td>
<td>2013-2016</td>
<td>Creating a decision support tool to assist district renovation planning, integrating the needs of different stakeholders: inhabitants, local authorities and business investors. The tool is supposed to give the opportunity to select stakeholders’ highest priorities and report building renovation scenarios. Also, extensive data and elaboration.</td>
<td>Planning the district renovation</td>
<td></td>
</tr>
<tr>
<td>HQE2R – Sustainable renovation of buildings for sustainable neighbourhoods</td>
<td><a href="http://www.suden.org/en/europea-project/the-hqe2r-project/">http://www.suden.org/en/europea-project/the-hqe2r-project/</a></td>
<td>FP5</td>
<td>2001-2004</td>
<td>Creating an integrated approach and develop operational tools for managing urban projects at the neighbourhood scale. All stages are elaborated in the project deliverables and can be used as an input to create FosterREG materials.</td>
<td>Decision making method, planning the project</td>
<td></td>
</tr>
<tr>
<td>R2CITIES – Residential Renovation towards nearly zero energy CITIES</td>
<td><a href="http://r2cities.eu/">http://r2cities.eu/</a></td>
<td>FP7</td>
<td>2013-2017</td>
<td>Aim is to develop and demonstrate replicable strategies for designing, constructing and managing large scale district renovation projects for achieving nearly zero energy cities. Deliverables, methods: Deliverables elaborating payback of certain technologies, architectural barriers, M&amp;V of results, three case studies of residential district retrofitting, in different countries, climate conditions and user’s habits produce materials which can be used to contribute to FosterREG materials.</td>
<td>Planning the large scale (district) renovation</td>
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<td>stock towards ZEB</td>
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<td>through a country-specific evaluation of the energy consumption and CO2 emissions;</td>
<td>buildings, including details from Croatia and Spain.</td>
<td>countries were provided for each energy efficiency measure.</td>
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- Define reference buildings;
- Develop a common framework and a harmonized methodology for the definition of a nZEB concept for public buildings.

**EASEE – Envelope Approach to improve Sustainability and Energy efficiency in Existing multi-storey multi-owner residential buildings**

<table>
<thead>
<tr>
<th>EASEE Project</th>
<th><a href="http://www.easee-project.eu">http://www.easee-project.eu</a></th>
<th>FP7 2012-2016</th>
<th>Aims at solving the issues of envelope regeneration for residential apartment buildings also provides the tool – EASEE Retrofitting Planner &amp; Design Tool, with innovative approach using 3D technology for planning the regeneration.</th>
<th>The Retrofitting Planner &amp; Design Tool Planner and Design tool for retrofitting Tools as an example of innovative technologies which can be used in the future</th>
</tr>
</thead>
</table>

**EI- Education**

<p>| EI- Education | <a href="http://ei-education.aarc.h.dk">http://ei-education.aarc.h.dk</a> | IEE 2006-2007 | Guidebook, platform and courses for Energy Intelligent Retrofitting of Social Housing | A platform on the internet and training courses for social housing organisations, municipalitie s and their advisors. “Guidebook on energy intelligent retrofitting” | The guidebook is based on 62 best practice examples from 11 countries in Europe. It covers the fields of political and strategical issues, technologies, a number of checklists and tools, best practice examples as well as typical drivers and barriers. Examples of best practice, tools and guidebooks on retrofitting, politics and strategy of planning, technologies to be implemented. |
|--------|-------------------------------|---------------------------|------------|---------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------|-----------------------------------------------|
| Fresh - Financing energy REfurbishment for Social Housing | <a href="http://www.fresh-project.eu/">http://www.fresh-project.eu/</a> | IEE | 2009-2012 | To pave the way and demonstrate to Social Housing Operators (SHOs) that EPC can be used for highly energy efficient refurbishment on a large scale. Within the project, SHOs and ESCOs from France, United Kingdom, Italy and Bulgaria proposed to address energy performance contracting in Social Housing aiming at comprehensive refurbishment. | Handbook | A Handbook was developed - lessons learned and best practices of EPC introduction in these countries and highlights a general framework and practical insights for the successful EPC implementation in Social Housing in Europe. | Best practices, financial mechanisms |
| InoFin | <a href="https://ec.europa.eu/energy/intelligent/projects/iee-projects/files/projects/documents/inofin_guidebook_en.pdf">https://ec.europa.eu/energy/intelligent/projects/iee-projects/files/projects/documents/inofin_guidebook_en.pdf</a> | IEE | 2006-2008 | Aim is to design and implement tailored financing schemes for energy retrofitting of the social housing stock. | Financial schemes for local and regional level | Guidebook for development of financial schemes emphasizes the conditions in Central and SE Europe, also differentiate between national, regional, local and project level. | Finance |
| Request | <a href="http://building-request.eu/">http://building-request.eu/</a> | IEE | 2010-2012 | Aim of the project was to enhance the uptake of EPC recommendations and of low carbon renovation measures in residential buildings | Tools and Methods | Tools and techniques useful to foster the uptake of energy efficiency measures, enhancing satisfaction and confidence of the owner and to create | Finance, Awareness |</p>
<table>
<thead>
<tr>
<th>Project</th>
<th>Website</th>
<th>Duration</th>
<th>Description</th>
<th>Legislation/Issues</th>
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<tbody>
<tr>
<td>ASIEPI</td>
<td><a href="http://www.asiepi.eu">http://www.asiepi.eu</a></td>
<td>2007-2010</td>
<td>The main objective of the ASIEPI project has been to Formulation of suggestions to policy makers on how to improve the quality and the impact of the regulations on the energy performance of buildings.</td>
<td>Legislation, innovation, technical issues</td>
</tr>
<tr>
<td>Urb.Energy</td>
<td><a href="http://www.urbenergy.eu/10.0.html">http://www.urbenergy.eu/10.0.html</a></td>
<td>2009-2012</td>
<td>It combines the approach of energy efficient refurbishment of residential buildings with integrated urban development concepts, the modernization of the energy supply infrastructure, the revaluation of the residential environment and the identification of innovative financing instruments</td>
<td>Integrated urban development approach (EE in residential areas); Innovative use of funding; Policy for EE in UR;</td>
</tr>
<tr>
<td>3ncult Efficient Energy for EU cultural heritage</td>
<td><a href="http://www.3ncult.eu/en/project/welcome/default.html">http://www.3ncult.eu/en/project/welcome/default.html</a></td>
<td>FP7 2010-2014</td>
<td>Delicate procedure and barriers to energy efficiency measures performed on buildings which are protected as a cultural heritage.</td>
<td>Important common segments of energy efficient regeneration of such buildings are examined: compatible windows, internal insulation, lighting, ventilation, moisture issues and similar. All subjects are elaborated from technical and scientific point of view</td>
</tr>
<tr>
<td>Design4Energy - Building life-cycle evolution</td>
<td><a href="http://design4energy.eu/">http://design4energy.eu/</a></td>
<td>FP7 2013-2017</td>
<td>The project focuses both on the design and the operation phases of the building within its neighbourhood</td>
<td>Planning the urban regeneration with the view of cultural heritage barriers</td>
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</table>
**4 General materials for all countries and the EU level**

General materials include the knowledge obtained by the FosterREG consortium in the first year of the project. This was given in condensed form through the D3.5 report. Also, as complementary source, the materials include some of the useful methodologies and tools elaborated from previous EU funded projects.

The recommendations from the D3.5 were used to determine the focus of each concrete training activity, in order to cover the topics identified as crucial issues. The major issues identified through the WP3 are:

- Awareness issues and connected capacity building needed,
- Fine-tuning of the legislation towards integration of projects on the city district scale,
- Connecting the financial instruments and funding schemes with such fine-tuned legislation
- Integration of sectors and vertical coordination.
The materials corresponding to the activity need to address the issues related to regulation, management and financing as well as general awareness challenges, highlighting best practices and addressing barriers and challenges identified. D3.2-D3.4 reports, bringing the strategies for overcoming the barriers to integrated EE to UR projects on the city district level, created through CAA in each country, are also used as the basis for creation of materials and themes for training activities. General training materials will be created by using the previous projects materials and generating new ones, where it is necessary. For each country, materials for specific stakeholders might be different. These materials will be created for target groups, including topics related to energy efficiency, energy supply, energy demand and demand side management, urban planning, legal issues, EU directives, best practice examples and project finance.

The bottom-up analysis that was conducted by the FosterREG national clusters will be the base for development of specific materials in each country. Therefore, materials will have different formats according to the national cluster’s planned activities.

4.1 Materials common to all countries

Common materials should, except for issues identified in WP3, also cover significantly the technical, social, financial and methodological approaches to planning, financing and implementing the integral energy efficiency in urban regeneration projects on a district level.

To create common materials, report from the EU workshop is used together with the materials and tools presented in previous EU projects. The proposed procedure is illustrated in figure 1.

![Figure 1 New capacity building materials development process](image)

For each type of action, which addresses one of the key issues previously identified by the FosterREG consortium, a set of materials is being created in the above described fashion.

BOOKLET

Common materials include the FosterREG booklet, which consists of FosterREG project rationale and factsheets, the key points of D3.5, the overview of existing approaches and experiences from selected completed projects for each main issue identified by the FosterREG consortium so far, good practice examples and the short introduction to the FosterREG project capacity building activities. The booklet is available on the project...
website. Booklet can be, where appropriate, disseminated at the events of capacity building. Also, the booklet is included in EU webinar materials.

**PRESENTATIONS**

Two types of presentations are supplied: project presentation and subject presentation.

Project presentation is the presentation created by the national cluster for each country, with aims to cover one of the issues identified previously (which is the main topic of the event or action). This presentation is prepared beforehand for all actions, on national language and in English. It is also available on the project website. Subject presentations are being delivered by the speakers at the event (action, workshop). For the majority of the events, speakers will be invited stakeholders, which will create a presentation regarding some important details which will raise the capacity of participants to deal with the concrete issue in their surroundings. This material cannot be available beforehand and will be published on the project website after the capacity building process is over.

**VIDEOS**

During the capacity building activities, all organizers will perform short interviews with the key stakeholders, regarding the most important issues identified in their country regarding the integration of energy efficiency measures in urban regeneration projects, multi-level coordination for more successful urban regeneration and actions to achieve goals from EU Energy Efficiency Directive. Video material used in the EU level webinars, and other wide dissemination events, will be created by ASM based on pre-scripted agenda in order to have comprehensive overview from all three clusters. Each national cluster will have the freedom to produce additional video materials, on their national language, as a result of their capacity building process. These additional videos can be a part of the webinar section or just a segment of the FosterREG YouTube channel, focused on national target group.

4.2 **Materials specific for the given country**

In each country, the national cluster defined specific areas that require special attention in skills and capacities transfer through the capacity building process.

Additional tools, addressing specific county needs, can be developed. National versions of some common materials, such as booklets, can be omitted, as they might not address any specific need in the given country.

The reports from national workshops and report from the EU workshop are being compiled as the educational material for each country, on a national language. This material is created for each activity, according to the plan from D4.1 and in the form most appropriate for the implementation. This may vary, depending on the actions in each country.

4.3 **Materials produced for the online section of training activities**

The webinar, presented online and described in more detail in chapter 8, consists of the digital versions of general materials and a compilation of abstracts of specific materials from the each country.

Also, general tasks, which are developed for the training activities, are presented in digital form to help the audience to get similar insights in the problems that participants dealt with during the direct training activities.
4.4 Verification materials

4.4.1 Verification of materials prior to distribution
All partners will review the common materials prior to their distribution to the public or to the participants. For materials that are specific and created on the national language, partners from the country in question will review the materials.

4.4.2 Verification materials for capacity building events
Satisfaction surveys, filled in by the participants at the end of each training session.

Questionnaires/surveys
In order to get feedback on quality and usefulness of the workshops/events, at the end of each event, the organizer collects previously created surveys. The standardized survey is created for all actions and translated into national languages.

For the webinar, online surveys can be supplied by the system per download of each excerpt of the materials. In this way, the number of individual participants for each issue/topic can be measured.

Solutions to tools/tasks
Skills building events can also have predefined tools, used as working material. The solutions to this exercises, provided by the participants, are used to verify the successful organization of every event. Exercises can be in a form of a task for calculation or other task connected with the theme of the workshop. Also, materials such as Business model canvas templates can be used as exercise material.

Dissemination
Published news and reports, videos and similar dissemination can also be used for verification of successful organization of events.

5 Specific materials in Spain
The FosterREG Spanish cluster based on the CAA conclusions proposes a capacity building plan focused on increasing awareness, enhancing funding schemes and financial instruments and improving integration and coordination of local administration departments in the implementation of energy efficiency measures in urban regeneration projects. Those prioritized issues will be address in the planned activities at local and regional level, involving different professional background so that participants will be able overcome many of the challenges they face in their everyday work through capacity building actions.

The action planned and described in D4.1 have been further developed and as a result of this some of them have been grouped to make more efficient the activity in terms of participants and resources. Therefore the Spanish cluster will perform the following 5 actions in which the issues set out above will be address:
Table 2 Capacity building actions in Spanish national cluster

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<tbody>
<tr>
<td>A01</td>
<td>A1.1. Covenant of Mayors</td>
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<td>A1.2. European Investment Bank workshop</td>
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<tr>
<td>A02</td>
<td>A02. Social Workers Capacity building</td>
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<tr>
<td>A03</td>
<td>A3.1. Socio-economic segmentation</td>
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<td>A3.2. Financial segmentation</td>
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<td>A04</td>
<td>A4. Visit to pilot case</td>
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<td>A05</td>
<td>A5. Integration of municipal areas</td>
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</table>

The working method of the capacity building will have different approaches but in general it will be based on a series of good practices presentations by the key actors and a practical session in which the participants will be trained according to the topic and methodology.

5.1 Standard materials for all actions

All actions will count with a standard material which includes the program of the activity (see Annex 2), invitation to the FosterREG activity and a booklet with a short introduction to the FosterREG project.

Activities based in good practice experiences selected by the FosterREG cluster will include informative material to develop the activity in presentation format.

Each action involves presentations and questionnaires developed for it. Presentations will be of both types: project and topic presentations.

5.2 Specific materials created for each action

**A01: 2nd Municipal Encounter: “Covenant of Mayors” and “Walking Toward the Covenant” - Year 2017**

The event, organized by EVE (Basque Energy Agency) is regarded as a follow-up to the first “The Basque Declaration” held in April 2016. It will combine both raising awareness and financial issues.

The target group of this event include municipal Mayors and politicians as well as high level technicians; they will be presented with the FosterREG’s CAA conclusions so far followed by technical presentations based on good practices which will promote the debate on the mentioned issues.

As the political commitment is one of the drives for achieving EE in UR plans, the presence of politicians in this workshop will be a good time to raise awareness of the signatories to fulfil their obligations included in their municipal Sustainable Energy Action Plans (SEAP) and
Sustainable Energy and Climate Action Plans (SECAP) by integrating energy and land-use planning at local level.

This workshop will also include a presentation conducted by technicians of the European Investment Bank (EIB) on how to access the funds they manage, designed for large scale projects.

The workshop will give the participants the chance to create networks to outline new projects aggregating the demand to fulfil the EIB requirements.

**MATERIAL:**
- Presentations (project and subject)
- Material diffusion

**VERIFICATION:**
- Sign in form
- Questionnaires/surveys
- Dissemination on websites and social media
- Video recording

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**A02. Social Workers Capacity building**

This workshop aims to visualize good practices of public awareness about energy efficiency and energy saving among municipal social workers. As these municipal workers are the ones that usually have direct contact with the residents they are the ones who can send 1st hand the right message to residents.

Participants of this workshop will have a social profile more than technical, so some basic EE information will be provided.

The workshop will be divided in 2 parts:

1st: Presentations by representatives of good practices related to raising awareness about energy saving and improving energy efficiency in residential buildings.

2nd: Participants will be distributed in different round tables, each lead by a good practice representative so participants will train on how to communicate the EE benefits to the residents. Participant will expose their challenges to the experts so then they can build up some strategies together.

At the end of the workshop there will be room to bring together the results of each table.

**MATERIAL:**
- Presentations (project and subject)
- Material diffusion
- Sheets to represent challenges and strategies

**VERIFICATION:**
- Sign in form
- Questionnaires/surveys
- Dissemination on websites and social media
- Video recording
A03. Procedure How to address socio-economic needs

This event organized by VISESA will address both awareness and financial issues. The socioeconomic analysis will bring a new perspective to the design of the public funding schemes.

Target group to participate in this workshop are those public officers responsible for the design of rehabilitation funds as well as relevant agents in the public sector in relation to energy, environment and housing both at local as well as regional level.

The workshop will include presentations on different approaches of current criteria included in the rehabilitation funds. This presentation will serve as the basis for the discussion of how to include socio-economic aspects in the design of the public funds so they are adapted to real needs according to this segmentation.

These presentations will be followed by participatory round tables in which participants will generate and debate ideas on how include this criteria and achieve segmentation according to socio-economic needs.

MATERIAL:
- Presentations (project and subject)
- Material diffusion

VERIFICATION:
- Sign in form
- Questionnaires/surveys
- Dissemination on websites and social media
- Video recording

A04. Case Study Visit

Surbisa is developing a rehabilitation strategy in Iralabarri, a “Degraded Area” located in Bilbao. The proposed rehabilitation strategy includes EE criteria and there is a need to give value to the proposed solutions.

Due to socio-economic aspects, risk of social, economic and urban vulnerability, EE is not a priority among the residents of this area. This event organized by Surbisa will address awareness issues directly with case study residents.

This action is structured in 2 parts:

- Coinciding with the 100th anniversary of the neighbourhood Surbisa will present the regeneration process to the residents. In this event FosterREG project will be presented to the residents and the aim of the visit will be explained.

- The visit to Iralabarri will be a guided tour through the neighbourhood and some of the buildings by the residents who will be explain their needs to local technicians. Following the visit there will be a conclusions session in which different participants, neighbour associations, owners, etc.... will expose their opinions and contributions.

MATERIAL:
- Presentations (project and subject)
- Material diffusion
- Map of the area

VERIFICATION:
- Sign in form
- Questionnaires/surveys
- Dissemination on websites and social media
- Video recording

A05. New organization for integration

This event organized by Tecnalia will gather different departments or areas of local administration so they can develop a strategy to communicate and integrated plans that nowadays are defined disregarding each other. This workshop will facilitate the participants the awareness of this need to accomplish effective EE measures in urban regeneration plans.

MATERIAL:
- Presentations (project and subject)
- Material diffusion
- Sheets to represent strategies

VERIFICATION:
- Sign in form
- Questionnaires/surveys
- Dissemination on websites and social media
- Video recording

5.3 Materials to be distributed on the EU level

VIDEO

The training activities will be recorded so they can be distributed in a video format to all EU countries. The Spanish cluster will produced a series of videos as a summary of all the training activities carried out to improve the administration capacities and skills.

A summary of all these videos will be edited to be included in the Webinar so that the material and conclusions of each activities will be distributed at EU level.
6 Specific materials in the Netherlands

As a result of the Collaborative Analysis Approach in WP 3, we recognize that the Dutch challenges on public capacity with regard to energy efficiency and urban regeneration consist primarily on the local level; the same level at which the current energy transition is to be realized. Therefore the focus of the WP 4 capacity building activities and training materials are being designed to assist the local and regional level, where municipalities will be faced with a wide variety of challenges.

The pressure on the local level is twofold. On the one side there is a tendency for decentralization in many (policy) domains, including energy and urban regeneration. National, top-down, centrally planned energy directives are no longer dominant. More and more, regions and local authorities are to deal with the increasing share of locally generated Renewable Energy, as well as with local distribution network challenges. The latter illustrated the second pressure, of the bottom-up developments and countless energy initiatives on regional and local level that are currently characterizing the Dutch energy transition. On local level, citizens form and organize themselves in energy cooperatives, in order to generate local sustainable energy, or dive into neighbourhood energy efficiency initiatives (like insulation measures, collective bargaining power). On regional level, municipalities, government, business and society actors try to find each other in novel forms of collaboration, coordination and setting joint initiatives with mutual objectives.

However, where most of the larger municipalities are very well aware of the challenges regarding the need for energy transition, active in formulating ambitious goals and have started developing the public capacities themselves or are being able to organize these; the vast majority of medium and smaller sized municipalities do often lack all this.

Therefore providing a ‘Perspective for action’ for municipalities will be developed as material, in strong collaboration with various stakeholders and partners from within the energy transition domain, and used, among others, during a masterclasses for municipalities.

A second challenge regarding public capacity has to do with the specific topic concerning phasing out natural gas (infrastructure) within the built environment. This is a multi-level and multi-domain topic including energy, urban planning, building physics and more social and economic disciplines. The City of Utrecht is in collaboration with various (local) partners, addressing this specific challenge already for a while. This provides the municipality of Utrecht a kind of fronrunners status, for what is coming towards them with regard to planning the process of phasing out gas infrastructure in the existing built environment. An important element of the case study Utrecht in FosterREG is to collect the knowhow, the information, case material, and “do’s and do not’s” in a process-map (step by step) of their history / experience so far in a so called ‘Roadmap towards a Gas free Districts, this will become a valuable source of material for further dissemination towards follower cities and municipalities for instance.

On this same specific topic, it is confirmed that about 80 municipalities, with Municipality of Utrecht as frontrunner, TNO for coordinating the knowledge exchange and lessons learned, and the Ministry of Economic Affairs are to sign a Green Deal on the topic of phasing out natural gas in the built environment (still 2016). TNO has addressed, as part of the FosterREG project, the importance of knowledge exchange and lessons learned as an important part of Capacity Building that will take place on this disruptive new topic. This has been acknowledged by the Ministry of Economic Affairs. Knowledge sharing between the various municipalities in the form of a Community of Practice setting (see D4.1) can be considered a valuable method to guide and assist other municipalities with developing their ‘new practice’.
Executing the task of Capacity Building in the FosterREG WP 4, the Dutch Cluster is distinguishing four actions to run in parallel for maximize the impact in the energy efficiency in urban regeneration realm. These are:

**Action 1**: Community of Practice set up for fostering the knowledge exchange and adopt lessons learned within the Green Deal on Phasing out gas infrastructure in Dutch Build Environment.

**Action 2**: Case study Utrecht > developing Roadmap towards a gas free District.

**Action 3**: Masterclass for municipalities in the Netherlands, to generate awareness, provide tools and insights of how, and inspire them with what on effective energy transition.

**Action 4**: Webinar on EU level > having Dutch representation of lessons learned, materials and impact being visible on the EU level Webinar.

A further detailed description of each of the actions can be found in section 6.3, including the materials developed to support the capacity building activity, the audience, and means of verification of impact.

### 6.1 Standard materials for all actions

Standard materials for all above mentioned actions will include among others a few standard presentation formats, to be used in working settings (CoP’s), Masterclasses, and introduction speeches for conferences, platform discussions and wider dissemination purposes. Topics for presentations, workshops and masterclasses will include a variety of the following elements, developed earlier on in FosterREG:

- Three developed Dutch strategies as a result of the CAA in WP3 and process/implementation plans within WP4:
  - Warmth in the neighbourhood / Gas free districts
  - Renovation Energy Service Companies (ESCO construct)
  - Customer Oriented Approach (performance based contracting)
- EU position paper issues
- Dutch drivers and barriers overview (result of 1st step in CAA in WP 3)
- Collaborative Analyses Approach of WP3 (as a tool to collaborate, and make steps together from identifying the challenges, up to designing strategies to overcome the challenges, including specific actions / roles for stakeholders)
- Case Study Energy Plan Utrecht – on how have citizens participated in setting up the municipal energy plan, and ambition for the next few decades.

Here above listed materials are ready to a great extent, and have been applied in various session in the Netherlands already. Some of the presentation materials we have also included in the annex of this deliverable (see app. 8).

### 6.2 Specific materials created for each action

Within the Dutch cluster we perform three out of the four actions identified earlier:

- **Action 1**: Community of Practice set up for fostering the knowledge exchange and adopt lessons learned within the Green Deal on Phasing out gas infrastructure in Dutch Build Environment.
- **Action 2**: Case study Utrecht > developing Roadmap towards a gas free District.
- **Action 3**: Masterclass for municipalities in the Netherlands, to generate awareness, provide tools and insights of how, and inspire them with what on effective energy transition.

**Action 1**: Community of Practice – past performance

Follow-up FosterREG WP3 Strategies
A follow-up session to develop a Process Implementation plan for actions, building forward on the three strategies developed within WP3 (see D4.1.). A long list of stakeholders that already have been involved in the CAA process in WP 3 as well as some new partners have been invited to take part in the development of the process implementation plan. Results and outcomes of this follow-up session are intended to facilitate public servants to actually implement the strategies, and start collaborative action.

MATERIAL
- Presentation (project and subject)
- Process plan of Action of two Dutch Strategies (see appendix)

VERIFICATION
- Sign-in form
- Questionnaires

Action 1: Community of Practice – planned performance

Dutch City Deal phasing out natural gas in build environment

In the beginning of December 2016, 80 Dutch municipalities, TNO and the Ministry of Economic Affairs will sign a so called Green Deal, entitled ‘Phasing out natural gas in the built environment’. This Deal states that all partners will work on the organization and realization of actual phasing out natural gas in the built environment in the upcoming years. The Green Deal also includes some research on components like financial constructions and arrangements, business-cases and monitoring, learning over pilot project. The municipality of Utrecht is one of the frontrunners on this topic within the Netherlands and will be actively involved in this Green Deal (supporting others, smooth the road). TNO is becoming partner of this Green Deal as well, and is dedicated to the role of knowledge management. FosterREG as EU vehicle to organize the cross over learning, facilitate the collaboration process of stakeholders, and to wider disseminate the knowledge coming forth, it recognized and included in the text of this Green Deal too. Via the FosterREG project, effort will be put in setting up a community of practice, to facilitate knowledge management and exchange of lessons learned.

MATERIAL
- Presentation (project and subject)
- Community of Practice sessions

VERIFICATION
- Sign-in form
- Questionnaires

Action 2: Case Study Energy Plan Utrecht – Roadmap towards a gas free district

As a concrete follow-up on the Utrecht Energy Plan, to a great extent developed by input and effort of city inhabitants, is to establish a ‘Roadmap/strategy towards a Gas free District’. The FosterREG partners Utrecht Municipality primarily, and TNO secondary, will facilitate the commencement and final establishment of such a roadmap description. Activities in this line consist of mapping and analysing the process so far, based on materials produced and partners involved in the current high level working group. This workgroup includes the Municipality, Distribution System Operator (DSO), Energy company, Social housing cooperation and the Local Energy Cooperation. FosterREG will take the lessons from meetings, workshops and other events of this workgroup (possibly through the use of MSc Students or Trainee). Parallel to that, participants of the working group will be interviewed as well as external experts on this specific topic. Combined with the existing literature, the result will be a kind of roadmap or...
strategy, containing particular steps or components of process, information, know-how and lessons learned.

MATERIAL
- Interview guides and reports
- Lessons learned
- Process plan of Action – gas free district (see appendix)
- Roadmap towards a gas free district

VERIFICATION
- Interest from other municipalities in results

Action 3 Masterclasses and workshop – Perspective for action
Together with the National Association of Dutch Municipalities, the Dutch cluster Partners have set up a three staged masterclass proposal for municipalities all over the Netherlands. Within the first stage, municipalities will be informed about the sense of urgency to do act in the horizon of energy scarcity, security etc. A need for a sustainable energy transition is near. Second stage is dealing with the question HOW? In here, the intended materials are coming from the FosterREG work so far, from WP 3, as well as the early results of the WP 4 capacity building activities. Last stage will contain a set of best practices, and is intended to inspire the participants to take certain actions, or adopt a particular strategy. Overall the developed “Perspective for action” masterclass contains presentations, lectures and training materials from FosterREG, and from other sources too. Particular components and parts of the masterclass will be used for presentations, meetings and conferences for establishing wider dissemination of the lessons learned in the course of FosterREG.

MATERIAL
- Presentations for Masterclass with municipalities including (see appendix X.X for example presentation)
  ▪ Urge of energy transition
  ▪ Impact of energy transition on municipalities
  ▪ Possibilities for municipalities (steering mechanism)
  ▪ Dutch FosterREG WP3 strategies

6.3 Materials to be distributed on the EU level

As mentioned earlier, the fourth action in the capacity building was formulated to be contributing to the EU level Webinar. A collective consent was made to contribute from each of the national clusters with experience, good practice examples and materials that have been developed and applied over the capacity building activities in the various national cluster actions.
For the Dutch Cluster, the intention to distribute our materials on the next topics was presented on the GA meeting in Lodz (PL) November 2016, to be included in the Webinar:
  • Developed Strategies of WP3 & Community of Practices
  • Collaborative Analysis Approach
  • Energy Plan of Utrecht regarding resident participation
  • Utrecht case study – Roadmap towards a gas free district

Furthermore, the GA meeting resulted in an additional request for materials in the form of film/ footage. This material should be harvested from the capacity building activities that yet are planned (see the above sections on actions 1-3), and will illustrate the way capacity building is shaped in the specific context of the Netherlands, the specific challenge like for
instance the strategy to phase out gas infrastructure in the built environment for municipalities. A selection of footage of some of the actions, the CoP sessions, and additional one or two interviews with participants, will be delivered to ASM, for editing and processing into a full EU level Webinar for screening on the final conference and side events as preferred.

7 Specific materials in Croatia

Specific materials and methods in Croatia encompass the materials for specific groups which lack concrete capacities and skills which are needed for planning, financing and implementation of EE in UR projects. In this concrete case, this would mean creating additional materials for experts in engineering, with the attention given to the spatial planning themes and urban planning processes, which is the kind of capacity which was not included in their education curriculum and is rarely presented to this group of stakeholders.

On the other hand, urban planners, conservators and architects, as well as other experts working as public officials in urbanism and spatial planning can hardly follow the new concepts in energy supply, demand side management and new design processes. Therefore, specific workshops and materials would need to be developed for them, transferring the information from this field, raising their understanding and capacity to view integrated measures and plan projects.

Topics for training sessions are based on the D3.2 considerations. Strategies that were developed in the CAA are:

- Introduction of mandatory professional training of new concepts for the planning and implementation of urban regeneration for public officials
- Defining subsidies for integrated projects
- Adoption of comprehensive interdisciplinary strategies and plans that all political and interest groups are obliged to respect and execute

Other information (expressions of interest from the stakeholders, themes which they identified as important and similar), on which the topics in Croatian training activities are based, originate from the interaction between national cluster and the stakeholders. Such interaction was achieved already in the WP2. Through these contacts, representatives of institutions which were present in the WP3 workshops and the CAA process in Croatia have expressed the interest in the training activities.

Also, considering the inputs from D3.5, the activities will be organized in appropriate way to address the key issues identified and help stakeholders to cope with them with new capacities and skills gained through the FosterREG training program.

The main issues from D3.5 were used as the major topics of capacity building actions. In Croatia, the actions are designed to engage all levels of government in these issues:

- Introduction to key topics and ideas of the new concept in FosterREG
- Awareness: themes, incentives and tools
- Fine-tuning of the legislation, funding schemes and financial mechanisms
- Integration and coordination of energy efficiency and urban regeneration
- Integration of appropriate measures in strategic documents on local or regional level
7.1 **Standard materials for all actions**

Standard materials will include the FosterREG booklet, which consists of factsheets and rationale behind the FosterREG, a translation of main points of the D3.5 on the national language, the overview of existing approaches and experiences from selected completed projects for each main issue identified by the FosterREG consortium so far, good practice examples and the short introduction to the FosterREG capacity building process and the project planning tools (national specific). The booklet can be distributed divided in excerpts which are appropriate for the specific action.

Also each action involves presentations and questionnaires developed for it. Presentations can be of both types: project and subject presentations.

7.2 **Specific materials created for each action**

The workshops/events will be organized to address the issues, using the materials created for them. Events are

**ACTION 1: National level tailor made events** - workshops organized by the APN and SDEWES, for the national level stakeholders. Connection to the regional and local level is facilitated through invitation of speakers from different levels of government. Horizontal coordination is also fostered through the inclusion of the Ministry of Rural Development and the EU funds – dedicated to the financial mechanisms and sources.

**ACTION 2: Regional and local level events** - engaging the regional and local stakeholders in broad range and higher number, from the city of Osijek acting as a target city.

First event: Working on all issues, focusing towards the vertical coordination improvement and financing the projects.

Second event: Creating the recommendations for changes in the strategic documents on regional and local level. Vertical coordination will be needed and achieved through invitation of representatives from the key national stakeholders.

**ACTION 3: Broad educational events from APN** - inclusion of stakeholders who are being trained for monitoring and reporting the energy consumption of the public buildings. Raising the awareness of the employees in public buildings and municipal officers (owners of public buildings).

**Addressing the main issues in Croatia**

*Introduction to key topics and ideas of the new concept in FosterREG*

Stakeholders will be presented with the experience of FosterREG consortium on EU level and on the level of their country. They will discuss the presented materials and collaborate with presenters to determine which skills they need in order to plan, finance and implement new integrated projects and create and implement changes in legislative framework with the aim to enable such projects to be implemented in their area. The Convent of Mayors stakeholders will also get information about how the FosterREG paradigm can help them achieve goals and introduction on how to implement the strategies from FosterREG in their revision of SEAPs.

*Awareness: themes, incentives and tools*

Stakeholders will be presented with the experience of FosterREG consortium on EU level and on the level of their country.

Main topics:
- payback period vs. added value (enhancement of co-financing opportunities) in EE in UR projects,
- carrot vs. stick in legislation regarding EE measures implementation,
- tools to be used by public officers and alignment of those tools to use the common language oriented towards the aspects of EE in UR.

**Fine-tuning of the legislation, funding schemes and financial mechanisms**

Workshops on all levels will address the identified issues connected to legislation and its interconnection to financing of the EE in UR projects. Stakeholders will be presented with the experience of FosterREG consortium on EU level and on the level of their country.

**Main topics:**

- public funding and its effects so far,
- improving the legislation and strategic approach to promotion of private projects in energy efficiency in urban regeneration,
- possible incentives for EE in UR projects on the level of a city district,
- how to facilitate vertical integration of legal framework to better coordinate bottom-up EE initiatives with urban planning (flexibility),
- inclusion of regional and local governments in national level decision making,
- ESCO market,
- technical aspects of legislation (building types)

From the financial mechanisms point of view, the participants will be supplied with capacities to view the broad picture of existing funds available and the legislative barriers to the allocation of those funds in their area.

**Integration and coordination of energy efficiency and urban regeneration**

Events will raise capacity of participants to find solutions for integration of EE measures in strategic documents and to enhance the vertical coordination between the levels of government. This is planned to be delivered through the interactive workshops and better interaction between the stakeholders which are identified as key actors in this process.

**Main topics:**

- Legislation aiming for a district level including the EPC
- Integration of renewable energy sources – from the level of single building to the district level
- Ownership issues
- Enhancement of the coordination between government levels (the main recommendation coming from the FosterREG collaborative analysis is the necessity of local level involvement in national and European policies)
- Management at local level – how to find integration opportunities
- Integrated strategies on the local level (including management and coordination tools) as the starting point for EU co-funding – National government should play a role in transition between local policies and EU policies.
- Bottom-up initiatives

**Integration of appropriate measures in strategic documents on local or regional level**
Participants form interdisciplinary teams and create recommendations from the perspectives of prior actions in order to enhance the strategic documents so that integrated EE in UR projects on city district level become more easily implemented in their area. This action is the start of case study preparation and can result with the changes in strategic documents of the target city.

**ACTION 1: Tailor made events on the national level**

Capacity building workshops will be organized by APN, concentrating on the National level. Invited stakeholders will mainly be the Ministry of Construction and Physical Planning, Environmental Protection and Energy Efficiency Fund and Ministry of Culture (Cultural Heritage Conservation Department). Connection to the Regional and Local level is achieved also through invitation of speakers from different levels of government and the Office for Urban planning, construction, communal services and transport (City of Zagreb). Horizontal coordination is also fostered through the inclusion of the Ministry of Rural Development and the EU funds.

**MATERIAL:**
- Presentations (project and subject)
- Material diffusion (FosterREG Booklet on the national language)
- Bibliography (proposed FosterREG deliverables, previous project deliverables, recommended by the presenting stakeholders)

**VERIFICATION:**
- Sign in sheets
- Questionnaires/surveys
- Dissemination on websites and in the media
- Videos

**ACTION 2: Regional and local level events**

Skills training workshops will be organized in Osijek, concentrating on the Regional and Local level and connecting these stakeholders with the national level through the invitation of speakers from the national level.

**Event 1 (February 2017)**
In skills training workshop, the participants will propose the solutions and approaches to public awareness issues, in particular the approach to promotion of EE in UR projects. Through the contact with owners and tenants associations and collaborative analysis, they will gain skills in finding appropriate balance between payback period vs. added value approach and carrot vs. stick for implementation of EE measures. Also, financing opportunities will be discussed as well as strategies identified by the FosterREG.

**Event 2 (March 2017)**
On the second event in Osijek, which would include all the stakeholders from the previous events, in order to achieve vertical and horizontal cohesion when proposing the solutions and to include the wide spread of stakeholders, the strategic documents on local and/or regional level will be discussed and the proposals for improvement, arising from the FosterREG experience, will be drafted.

**MATERIAL:**
- Presentations (project and subject)
- Material diffusion (FosterREG Booklet on the national language)
• Bibliography (FosterREG deliverables, deliverables from the previous project and recommended by the presenting stakeholders)
• Draft FosterREG tool – Croatian cluster national tool – Regeneration project plan, Neighbourhood regeneration project planner (Annex 3)
• Local strategic documents

VERIFICATION:
• Sign in sheets
• Questionnaires/surveys
• Dissemination on websites and in the media
• FosterREG tool enhancement recommendations by the participants
• Document/report: Recommendations for changes in the legislation and strategic documents
• Videos

ACTION 3: Broad educational events from APN

Capacity building workshops will be organized by the APN, starting from November 2016. This capacity workshops are designed for the broad public, which includes the representatives of regional and local stakeholders (counties, cities), which are educated to monitor and report consumption of buildings owned by the regional and local governments.

The participants will receive direct training in integrated EE in UR projects on the city district level. Also awareness raising issues, financing and legislative framework are discussed in the scope of this educational events. Events will take place in various cities in Croatia.

MATERIAL:
• Presentations (project and subject)
• Material diffusion (FosterREG Booklet)

VERIFICATION:
• Questionnaires/surveys
• Sign in sheets
• Dissemination on websites and in the media

7.3 Materials to be distributed on the EU level

The results from the events, including video recordings, fulfilled tools and translated solutions of surveys can be published on the project website and included in the webinar. Dissemination and availability of the materials is discussed in Chapter 2: Materials dissemination plan.

Video material from the interviews, the recommendations for changes in strategic documents and results/solutions from the use of tools (in particular the Neighbourhood regeneration project planner) will be available for the webinar.

Materials from each action will be reviewed and included in the webinar, which will be organized after the first capacity building activities have been completed, in March/April 2017.
8 Specific materials on the EU level

ASM will be responsible for organisation of the webinar (send out, registration, invitations, moderation). The content for webinar is to be provided by Partners. The proposed structure of the EU level webinar, as well as the FosterREG final conference, consists of three main contents:

- Why? (the importance and sense of the project urgency, multilevel (macro, meso, micro),
- How? (how the project collaborative analysis were performed - from ambition to action > Plan Do, Check Act cycle – FosterREG barriers, strategies),
- What? (examples of good practices, successful cases; recommendations for the future, links to the next steps, etc.).

The idea is to include into the webinar agenda a project video (available in the LIBRARY booklet) summarizing all national events organized to build capacity among the target groups. The video will serve not only as a dissemination tool, but also as a teaser redirecting recipients to more detailed FosterREG results.

Based on results from D3.5 Collaborative Analysis and Best Practices, as well as through learning from the other projects.

Aim:

- raising overall awareness, capacity and skills required for integrated EE in UR projects on larger scale (city district), as it implies more complex projects which demand more interdisciplinary knowledge and understanding, forming multidisciplinary teams and interdisciplinary approach
- to introduce recommendations for improving public authorities’ capacities to plan, finance and manage integrated urban regeneration for sustainable energy uptake.
  - Increasing awareness and improving capacities
  - Enhancing funding schemes and financial instruments
  - Developing and fine-tuning legislation
  - Improved integration and coordination

Materials for the webinar will be based on the Capacity building actions carried out in each of the national cluster. Therefore webinar are planned to be held as late as possible once the activities in The Netherlands, Croatia and Spain have been completed.

The webinar structure will be decided according to the material, time constraints, number of speakers as well as capacity of engaging the audience taking into account this type of training format is more efficient when conducting a lecture or information session.

Topics for the Spanish cluster will deal with increasing awareness, enhancing funding schemes and improving integration and coordination of municipal government organization. Some of the suggested topics are the following:

- Coordinating SEAP action measures with urban planning instruments to achieve SEAPs commitments
- How to send the EE message to residents
- EE Awareness procedure adapted to residents’ socioeconomic profiles

From the National Cluster of the Netherlands the following methods/materials could be included in this webinar:

- Developed Strategies of WP3 & Community of Practices
- Collaborative Analysis Approach
- Energy Plan (process) of Utrecht
Topics for the Croatian cluster will deal with similar issues as given for Spain, with the emphasis on the legislative framework fine-tuning and coordination issues aimed towards better alignment with EU legislative framework, which is a much needed step towards removing the barriers to funding of integrated EE in UR projects.

8.1 Standard materials for all actions

The material produced for the activities along with the lessons learned, experiences and knowledge gained will provide the outreach materials for the webinar taking into account the audience will come from Europe wide pool.

VIDEOS
Interviews and most interesting lectures from the national capacity building events will be available on the webinar. This videos can be filmed in English or on the national language with additional subtitles. In this way, the videos will represent the whole picture about FosterREG project and the most important lessons learned during the implementation of the project, but they will also be capacity building material for the EU wide audience.

BOOKLET
The FosterREG Booklet will be available in digital form, as the basic dissemination and capacity building material.

PRESENTATIONS
The presentation about the project and all the actions and events that took place during the implementation will also be available on the webinar.

SURVEYS
Surveys will be made available on the webinar, both to verify the active participation (for each main issue, learning from the experience of capacity building events that will be completed before the start of the webinar) and for the overall outreach (general survey).

8.2 Specific materials created for each action

Specific materials for each action are composed of the materials created for each action in all countries (if they exist – due to differences in proposed actions in various countries). In this way, specific materials are given as abstracts in English or reports from the capacity building actions. This provides the participants on the EU level with variety of local issues and how they are being dealt with by the national clusters and local stakeholders. They include the representation of lessons learned, materials and impact achieved through the capacity building process.

In more detail, specific materials from each national cluster are described in chapters 5.3, 6.3 and 7.3.

8.3 Specific way of delivering materials with feedback options

Common surveys will be provided on the EU level through webinar in a way that the request inputs from the participants (more detailed explanation in the chapter 8.4). This is also the way of verification for the webinar.

For the webinar, verification tools exist, and further feedback from the users can be limited to the multiple choice questions.
8.4 Dissemination

In order to significantly contribute to the sustainable urban regeneration, the high impact of the FosterREG results needs to be ensured. Many different dissemination activities targeting to upgrade stakeholder’s capacities and skills to plan, finance and manage integrated urban regeneration for sustainable energy uptake are envisaged.

The crucial elements of the whole dissemination plan is FosterREG webinar and final conference, both EU level, aimed to equip target groups with the needed knowledge and skills in the area of sustainable urban regeneration. The consortium will use its best endeavours to ensure high attendance of target groups to the both events, as well as their involvement in other dissemination events.

Dissemination activities will be also conducted to promote the training materials elaborated within the project to build the capacity among its stakeholders. The mentioned training materials will be used during the meetings with stakeholders and will be made available to the wide audience on the project website in the LIBRARY bookmark. Apart from them also project booklet, video and public project presentations will be offered to the interested audience.

Invitations to the webinar and final conference as well as the information about the availability of the training materials will be published on the project website and the websites of each partner.

Also all FosterREG social media (Twitter, LinkedIn) and communication channels (e.g. newsletter) used by particular partners will be involved in the dissemination campaign. Project newsletter covers around 600 recipients all over the world so invitations published there seem to be perfect way to catch the required audience. Also the mail invitations to the members of networks identified within task 5.4 will be sent.

Apart from the dissemination tools mentioned above the invitations to the webinar and final conference, and also information about the training materials will be published in the following sources:

- BUILD UP The European Portal For Energy Efficiency In Buildings
- European Construction Technology Platform website and newsletter
- Polish Construction Technology Platform website and newsletter
- ERRIN Network

The EU level webinar is planned to be organized during the last quarter of the project duration in order to have as many results as possible available for dissemination to the European stakeholders.

At the same time, FosterREG consortium wants to avoid organizing the webinar in the very end of the project, because the feedback gathered from the webinar audience might be used to improve the final project conference and make it better tailored to the stakeholders’ needs. This is the reason why the webinar participants will be asked to evaluate the event not only concerning its organizational aspects (duration, quality of sound, ease of webinar tool operation etc.), but also the presented contents (if they enriched recipients knowledge in a given area, if they were in line with what it was expected, if they were presented in an accessible way, etc.).

To evaluate the webinar a brief online questionnaire with multiple choice questions will be designed. Evaluation survey might be created via SurveyMonkey (or any other provider of free online questionnaires), or designed in the webinar tool if the chosen platform offers such a service.
Taking into account the needs of EU level webinar to be organized within the FosterREG it will be handy to use the webinar platform offering the following features:

- Full Services Attendee Registration,
- HD Video Recording,
- Archived Recordings,
- Polls & Surveys.

Taking into account the approach described above, it will be ideally to organize the EU level webinar two months before the final project conference.

9 ANNEXES

9.1 Specific Training Material from the Netherlands

9.1.1 Community of Practices – Follow up WP3 Strategies - Process Plan of Actions

Process plan of Action – for strategy(1) Phasing out natural gas in the built environment
### Example presentation of FosterREG masterclass (as presented on a working session with 40 professionals - real estate developers, municipalities and urban planners)

#### Processplan van Aanpak - Vraaggericht(er) werken

<table>
<thead>
<tr>
<th>Strategie:</th>
<th>Vraaggericht(er) werken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beoogd resultaat:</strong></td>
<td>Boek met recepten voor experimenten ‘warmer in de wijk’</td>
</tr>
<tr>
<td><strong>Mate van concreetheid:</strong></td>
<td>Wijken, bestaande bouw</td>
</tr>
<tr>
<td><strong>Strategiestappen:</strong></td>
<td>Welke stappen moeten getakt worden om het beoogde resultaat in de gekozen mate van concreetheid te bereiken?</td>
</tr>
<tr>
<td><strong>Awareness:</strong></td>
<td></td>
</tr>
<tr>
<td>• Initiatieven actief zoeken: eerste de (burger) initiatieven</td>
<td></td>
</tr>
<tr>
<td>• QuickScan: situatie, stakeholders, transparantie, haalbaarheid</td>
<td></td>
</tr>
<tr>
<td>• Duurzaamheids informatie loket in een lokale winkel (evt. gekoppeld met leefbaarheid)</td>
<td></td>
</tr>
<tr>
<td>• Inloopbijeenkomten (werkt bij HOOM)</td>
<td></td>
</tr>
<tr>
<td><strong>Interest (ntb)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Desire (ntb)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Action (ntb)</strong></td>
<td></td>
</tr>
<tr>
<td><em>Proces organisch over AIDA nodig. Per fase concretere concepten en financiering nodig. Awareness voor volksgemeente, voor Initiative &amp; Desire uit samenwerking (innovaties X-X).</em></td>
<td></td>
</tr>
<tr>
<td><strong>Strategiepartners:</strong></td>
<td>Welke partners zijn er nodig om het beoogde resultaat in de gekozen mate van concreetheid te bereiken?</td>
</tr>
<tr>
<td>• Buurtkracht (gefinancierd door Eness)</td>
<td></td>
</tr>
<tr>
<td>• Hoe kunnen partijen/partners beter samenwerken: wijkprocessen beter organiseren</td>
<td></td>
</tr>
<tr>
<td>• Awareness: revolving fund</td>
<td></td>
</tr>
<tr>
<td>• Voor Desire: (lokaal)bedrijfsleven</td>
<td></td>
</tr>
<tr>
<td><strong>Strategische kennis:</strong></td>
<td>Welke kennis is nodig om het beoogde resultaat in de gekozen mate van concreetheid te bereiken?</td>
</tr>
<tr>
<td>• ‘Kennis over financiële aspecten?</td>
<td></td>
</tr>
<tr>
<td>• ‘Wie betaalt de stappen A,1,D: Is vooral organisatie. Revolving fund: energielasting lokaal inzetbaar maken, is dit mogelijk? Lening mogelijk door energiebesparing in kaart te brengen en als ‘onderhoud’ te gebruiken? (woonlasten discussie)</td>
<td></td>
</tr>
<tr>
<td>• Lead time veel te lang: hoe ontzorgen?</td>
<td></td>
</tr>
<tr>
<td>• ‘Kennis over juridische aspecten?</td>
<td></td>
</tr>
<tr>
<td>• ‘KIEN: woningdossier (BIM) inventarisatie wat staat er in de gemeente en wat is er mogelijk dan?</td>
<td></td>
</tr>
<tr>
<td>• Kennissituatie</td>
<td></td>
</tr>
<tr>
<td>• ‘Mag beoogde energiebesparing ingezet worden in de verstrekking van lening? Zie v.b. Reint/Groningen experimenteer ruimte mogelijk niet financiering?</td>
<td></td>
</tr>
<tr>
<td>• Wordt handhaving energiebesparing bij bedrijven echt gedaan door lokale gemeente?</td>
<td></td>
</tr>
<tr>
<td>• ‘Kennis over management/ coördinatie aspelen?</td>
<td></td>
</tr>
<tr>
<td>• ‘Wie neemt de regelfunctie in een wijkprogramma? Staat bij gemeente maar zakt in elkaar als zij dat zelf moeten organiseren.</td>
<td></td>
</tr>
<tr>
<td>• Hoe brengen we de deling van ervaringen, kennis, successen, valkuilen? Vaak vergeten en wordt vaak geen geld voor beschikbaar gesteld.</td>
<td></td>
</tr>
</tbody>
</table>
KLIMAATAKKOORD VAN PARIJS

Klimaatakkoord
\[ \Delta T < 2 \, ^\circ C \]
Streven \[ \Delta T < 1,5 \, ^\circ C \]

De partijen zullen zo snel mogelijk hun best doen om de uitstoot van broeikasgassen en schadelijke stoffen te verminderen in combinatie met de beschikbare techniek van dat moment.

- Nederlands Energieakkoord
  - Duurzame energie
    - In 2020: 14%
    - In 2030: 16%
  - Energieverbruik
    - 1,5% per jaar
  - CO2 reductions
    - In 2050: -90%
ENERGIEVERBRUK IN GEBIEDSONTWIKKELING

1/2 naar gebouwde omgeving

2870 PJ, 2012, naar energiefunctie 2013, eindverbruik naar sectoren

VAN CENTRALE NAAR DECENTRALE ENERGIEVOORZIENING

Van Naar
Centraal Decentraal
Fossil Duurzaam
Eenrichting Tweerichting
Consument Prosument
Paar grote Veel kleine

Te gebruiken technologieën:
- Verwarming en koeling
  - isolatie, zonthermisch, warmtepomp, restwarmte, biogas, geothermie
- Warmwater
  - warmtepomp, zonneboiler
- Electriciteitsverbruik
  - zonPV, windmolen
- Opslag
  - WCO, batterij (in elektrische auto)

DRIE DILEMMA’S (EN VOORBEELDEN HOE ERMEE OM TE GAAN)

- Domeinen van energie en ruimte zijn nog onvoldoende verbonden
- Kennisuitwisseling en samenwerking
- Investeringen en opbrengsten zijn niet in een hand
  - Renovatie-Esco
- Toekomstbestendig versus bottom up initiatieven
  - Target Energy Systeem (bv Warmte van de Wijk)
ONVERBONDEN ZIJN VAN RUIMTE EN ENERGIE

Smart Thermal Grid in Zuid Holland
Bron: Studio Hanco Vermeulen

Windenergie in Flevoland
Bron: Flevoland

INVESTERING EN OPBRENGST NIET IN EEN HAND

- Als netwerkbedrijven het gasnetwerk gaan vervangen door gas
- Als lokaal warmteplannen gemaakt en uitgevoerd worden
- Als corporaties, VVE's en particulieren PV panelen installeren en electricisch rijden is een zwaarder electriciteitsnetwerk nodig.

RENOVATIE-ESCO'S
9.2 Annex 2: FosterREG Spanish Cluster Actions Programs
## A01: Programa

Lugar: Auditorio Edif. Bizkaia (Bilbao)
Fecha: 4 de abril de 2017

### II Encuentro Municipal:
“Pacto de los Alcaldes y Alcaldesas” y “Caminando hacia el Pacto” – Año 2017

<table>
<thead>
<tr>
<th>Hora</th>
<th>Actividad</th>
<th>Detalles</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:45</td>
<td>Inscripción de los participantes.</td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Apertura de la jornada.</td>
<td>Responsable del Gobierno Vasco o EVE</td>
</tr>
<tr>
<td>10:10</td>
<td>Regeneración Urbana Energética Integral - Proyecto FosterREG.</td>
<td>Responsable Proyecto TECNALIA</td>
</tr>
<tr>
<td>10:35</td>
<td>Líneas de financiación.</td>
<td>Representante BEI</td>
</tr>
<tr>
<td>11:00</td>
<td>Pausa café</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Exposición experiencias municipales:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Proyecto de Rehabilitación Sostenible en Edificio Residencial del municipio de Balmaseda. D Gorka López – Técnico Municipal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Proyecto de Rehabilitación Bº Mogel del municipio de Eibar. Por confirmar ponente.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Proyectos de Rehabilitación “Berrin San Fausto y Aramotz” en el municipio de Durango – Técnico Municipal.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Surbisa: Zazpilanda.</td>
<td></td>
</tr>
<tr>
<td>13:15</td>
<td>Preguntas - Debate</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Fin de la jornada</td>
<td></td>
</tr>
</tbody>
</table>
A02: Programa

Lugar: Tecnalia. Edif. 700 Geldo (Derio)

Fecha: Marzo de 2017

**PROGRAMA**

10:00 Acreditación de los participantes.
10:15 Apertura de la jornada. (Presentación del proyecto fosterREG)
10:30 Exposición de departamentos locales:
   - Instalaciones de energía, Sada Química – Jose Prieto (Herrera y Clavé)
   - Oficina de Energía, Derio – Luzuriaga, Guirado, Ruiz, (DERO)
12:00 Fin de la jornada

**UBICACIÓN**

SALA GUADBAX

Tecnalia Research & Innovation Foundation, Parque Tecnológico de Bizkaia
C/ Bilbao, 6, 48166 Bilbao – Bizkaia
### Programa

**Lugar:** VISESA. Portal de Gamarra (Vitoria-Gasteiz)  
**Fecha:** 14 de Febrero de 2017

<table>
<thead>
<tr>
<th>Hora</th>
<th>Evento</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Inscripción de los participantes.</td>
</tr>
<tr>
<td>09:40</td>
<td>Apertura de la jornada.</td>
</tr>
<tr>
<td></td>
<td><em>Representante VISESA / Gobierno Vasco</em></td>
</tr>
<tr>
<td>09:45</td>
<td>Proyecto FosterREG</td>
</tr>
<tr>
<td></td>
<td><em>TECNALIA</em></td>
</tr>
<tr>
<td>10:00</td>
<td>Criterios actuales en ayudas a rehabilitación – Inclusión de aspectos socioeconómicos</td>
</tr>
<tr>
<td></td>
<td><em>Euskadi</em> – Representante Gobierno Vasco</td>
</tr>
<tr>
<td></td>
<td><em>Vitoria-Gasteiz</em> – Representante Ayto</td>
</tr>
<tr>
<td></td>
<td><em>Donostia-San Sebastián</em> – Representante Ayto</td>
</tr>
<tr>
<td></td>
<td><em>Bilbao</em> – Representante Ayto</td>
</tr>
<tr>
<td>10:30</td>
<td>Análisis de impactos socioeconómicos de proyectos de rehabilitación</td>
</tr>
<tr>
<td></td>
<td><em>Dra. Maria Isabel Touceda Gomez</em> – Universidad Libre de Bruselas</td>
</tr>
<tr>
<td>11:00</td>
<td>Pausa café</td>
</tr>
<tr>
<td>11:30</td>
<td>División en Mesas de trabajo :</td>
</tr>
<tr>
<td></td>
<td>Dinámica por grupos a definir - 1 hora, presentación de resultados - 20 min</td>
</tr>
<tr>
<td></td>
<td>Establecer dinámica de discusión - La idea es generar y debatir ideas sobre cómo segmentar ayudas de rehabilitación</td>
</tr>
<tr>
<td></td>
<td>Preguntas a contestar para recoger opiniones sobre la difícil decisión entre conseguir un máximo impacto (muchas rehabilitaciones con poca ayuda) o proveer grandes ayudas en los casos más necesarios.</td>
</tr>
<tr>
<td>13:00</td>
<td>Comentarios finales – Debate</td>
</tr>
<tr>
<td>13:30</td>
<td>Fin de la jornada</td>
</tr>
</tbody>
</table>
## A04: Programa

Lugar: IRALABARRI. Salón PP Franciscanos de Irala (Bilbao)

Fecha : 17 y 27 de enero de 2017

### Día 27 enero

<table>
<thead>
<tr>
<th>Tiempo</th>
<th>Actividad</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Recepción de los visitantes en Convento PP Franciscanos de Irala.</td>
</tr>
<tr>
<td>10:15</td>
<td>Recorrido guiado por las urbanizaciones y los edificios de la actuación</td>
</tr>
<tr>
<td>12:15</td>
<td>Visita al interior de un edificio</td>
</tr>
<tr>
<td>13:00</td>
<td>Conclusiones de la visita en Torre Urizar</td>
</tr>
<tr>
<td>13:30</td>
<td>Fin de la visita</td>
</tr>
</tbody>
</table>

### Día 17 enero

<table>
<thead>
<tr>
<th>Tiempo</th>
<th>Actividad</th>
</tr>
</thead>
<tbody>
<tr>
<td>19:30</td>
<td>Dentro de las Jornadas 100 ANIVERSARIO DEL BARRIO DE IRALA</td>
</tr>
<tr>
<td></td>
<td>Presentación de la actuación en el Salón PP Franciscanos de Irala.</td>
</tr>
<tr>
<td>19:35</td>
<td>Ponencia IRALA EN REHABILITACION por Josu Urriolabeitia de SURBISA</td>
</tr>
<tr>
<td>20:40</td>
<td>Presentación proyecto FosterREG por Olatz Nicolas de TECNALIA</td>
</tr>
<tr>
<td></td>
<td>Invitación a la visita guiada de los edificios</td>
</tr>
<tr>
<td>21:00</td>
<td>Fin del acto</td>
</tr>
</tbody>
</table>
A05: Programa

Lugar: Tecnalia. Edif. Geldo (Derio)

Fecha: Marzo de 2017

<table>
<thead>
<tr>
<th>10:00</th>
<th>Acreditación de los participantes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td>Apertura de la jornada.</td>
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<tr>
<td></td>
<td>Presentación del proyecto Fosterreg</td>
</tr>
<tr>
<td>10:30</td>
<td>Exposición teórica mecanismos de coordinación en las administraciones</td>
</tr>
<tr>
<td>11:30</td>
<td>Discusión práctica para coordinación en las administraciones</td>
</tr>
<tr>
<td>12:00</td>
<td>Pausa café</td>
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<tr>
<td>12:30</td>
<td>Programa de coordinación en las administraciones</td>
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<tr>
<td>13:30</td>
<td>Preguntas - Debate</td>
</tr>
<tr>
<td>14:00</td>
<td>Fin de la jornada</td>
</tr>
</tbody>
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9.3 Capacity building materials from the Croatian national cluster

List of materials:
- FosterREG Booklet in the national language
- FosterREG power point presentation in the national language: “FosterREG projekt: Implementacija mjera energetske učinkovitosti u projektima urbane obnove na razini gradske četvrte – problemi i rješenja”
- FosterREG tool: Regeneration project plan
- FosterREG tool: Neighbourhood regeneration project planner
- Sign-in sheet for the educational events in the national language
- Satisfaction survey in the national language for the APN educational events

9.4 Capacity building materials for the EU level (webinar and common materials)

List of materials:
- FosterREG Booklet
- FosterREG power point presentation: FosterREG: Introduction to the project and experiences of CAA

Common materials:
- Satisfaction survey template
- Sign-in sheet template