

Main project results and impacts

During the three years' of implementing of the MAKE-IT-BE project, a range of activities actively contributed to the roll-out of bioenergy across Europe. **MAKE-IT-BE** aims at supporting the development and implementation of **integrated bio-energy chains** across Europe, through the creation of enabling frameworks (decision-making tools and local partnerships) in four important EU regional contexts (Italy, Austria, Slovenia and Scotland). The central focus was on the creation of a flexible and replicable methodology to support the definition of local integrated bio-energy planning (IBP) in co-operation with local and regional key actors and local authorities. Bio-energy planning on sub-national level is an essential part of the strategy to meet the European 20-20-20 goals: the European Union (EU) has agreed to reach 20% of its total energy consumption through renewable energy sources (RES) by 2020, as outlined in the EU Climate and Energy Package of 2009. This requires a contribution from all RES options, including bio-energy as an important energy resource in Europe.

Highlights of the action include:

- **16 good practices in integrated bioenergy planning analysed:** sharing lessons learned and brief analysis of these cases, as an initial selection of diverse interesting implementation activities relevant to bioenergy. These were downloaded several times and widely disseminated to relevant target groups, helping to generate discussions and identify important and replicable elements for consideration in other projects.
- **The Good Practice Report** is available here <http://www.makeitbe.eu/Home/tabid/38/Default.aspx>.
- **MAKE-IT-BE methodology for the development of bio-energy plans and initiatives:** created with the involvement of CTI and CRPV in collaboration with the regional leaders of the project (Centuria Rit, EEE, ZGS and HB), obtaining the consensus of an IEE bio-business project consortia and of 4 regional Bioenergy Partnership (RBP) one in each region involved in the project (Italy, Austria, Slovenia and Scotland). It is a valuable methodology for use across Europe to define local plan for biomass use as renewable energy source – making it highly relevant as it is replicable for diverse community sizes and contexts. It has been applied in 4

regions. Together with Methodology (guidelines) also 2 tools have been developed to facilitate users.

- o **The methodology** is available here - <http://www.makeitbe.eu/Results/tabid/64/Default.aspx> - with the title “Guidelines for the development of supporting tools for bio-energy initiatives”. In particular methodology developed can support **consistent mapping of biomass supply and demand at local level**. Four main aspects are pointed out:
 - estimation of potential biomass for bio-energy conversion,
 - estimation of energy flows,
 - mapping of potential biomass sources by using GIS tool,
 - proposal and evaluation of possible bio-energy chains at regional level.
- o **Tools** are available here - <http://www.makeitbe.eu/Results/tabid/64/Default.aspx> - and summarized here following:
 - Energy Balance Tool. it's a useful tool to develop a energy balance to the local level, giving particular emphasis to the contribution of the energy production by renewable sources , in particular by biomass sector.
 - Biomass Calculation Tool. it's a useful tool necessary in order to analyze the different biomass sources deriving from several sectors as agricultural, forest, industrial and urban as well as to calculate the potential energy deriving by the using of biomass analyzed and giving emphasis to bio-energy chains more suitable to the local level .
- **More than 60 key actors were actively engaged in the establishment of 4 Regional Bioenergy Partnerships (RBP):** various types of relevant stakeholders have been involved in the development and implementation processes in the **4 selected regions** in Italy, Austria, Slovenia and UK (Scotland), including:
 - o National, regional and local government decision-makers and staff,
 - o Statutory bodies and regulation authorities,
 - o Energy, environmental agencies and development agencies,
 - o Landholders, land-use, and industry organisations,
 - o Private households, and

- o Bioenergy industry.

These stakeholders helped to fine-tune the methodology in the process, and collaborated addressing the development at local level of bio-energy planning called in the project Agenda.. With the MAKE-IT-BE approach, RBPs become the forum where stakeholders and decision makers could come together, sharing different perspectives to develop long-term regional biomass supply chains essential for the implementation of IBP.

- **Capacity of at least 60 individuals was improved through training events and study tours:** representatives from **public administrations, local and regional decision-makers, technical staff, bioenergy planning managers and planners** benefitted from this and in turn they will give **support to the MAKE-IT-BE bio-energy planning** in their respective countries. Capacity building actions helped to share knowledge, introduce and give guidance to participants on how to apply the MAKE-IT-BE methodology, as well as updating them on the bioenergy planning and implementation results achieved in each region.

- o **Training material** are available here - <http://www.makeitbe.eu/Results/tabid/64/Default.aspx>

Training courses highlighted the overall importance of addressing a diversified range of stakeholders – especially policy makers and technical experts - through appropriate topics and suitable language addressing their role in energy planning and their level of knowledge. General feedback received from participants shows the importance of tailor-made approaches and policies for the local community level. The **high level of satisfaction** with the training sessions demonstrates that these goals have been met.

- o Study visit report is available here - <http://www.makeitbe.eu/Results/tabid/64/Default.aspx>.

The study visits carried out have been very important in the involvement of stakeholders in the RBP and to practically show best cases. In particular emerged that to know what it has been developed in the visited places gave a higher interest of stakeholders in the activities developed within the project. To realize practically what it is possible to develop affected positively the key actors stimulating them to cooperate within the project in the region involved by the project.

- **4 Bioenergy agendas have been developed in the four selected regions:** described in the “MAKE-IT-BE Final Report: Highlights of the action”. On the basis of regional biomass

potential and demand assessment, and through consultation of regional stakeholders, the project delivered a **bioenergy agenda** for each region involved in the project. The agenda is a scenario for bio-energy planning in the specific territory based on real perspectives and restrictions. It promotes the way for the development or expansion of bio-energy supply chains and stimulating interactions among them.

- In each selected region the **relevant authority endorsed the bio-energy agenda** developed, and it is expected it will be **included in their energy planning at regional/provincial/local level**. Due to a preliminary analysis possible scenario or pilot project has been identified in each region for bio-energy development.
- **5 additional regions expressed their interest in replicating methodology thus far:** Murska Sobota (Slovenia); Marche Region and Lombardia Region (Italy); Bjuvs Kommon (Sweden); and Comhairle Nan Eilean Siar (CnES) (UK).

Successful synergies implemented with two other IEE funded projects, namely BioEnerGIS (<http://www.bioenergis.eu/>) and BEn (<http://ben-project.eu/>): the three projects shared the common aim to support the development of new sustainable bioenergy plants by analyzing the availability and demand of biomass at regional scale, by creating and reinforcing stakeholders networks and by developing methodologies and tools that help local administrators and stakeholders in planning biomass plants. Periodic exchanges helped to update on developments and identify synergies, exploring obstacles faced and which solutions were found – resulting in a high added value to the development of activities in each project. The synergies culminated in a joint final event held in Brussels on 5 October 2011 to present the final results obtained. For more information click here <http://www.makeitbe.eu/Projectpresentations/tabid/117/Default.aspx> .

- **It is estimated that much more than 1.000 decision-makers and stakeholders have been informed thorough the lifetime of the project:** this was achieved by sharing **good practices, methodology and tools developed, and project results** have been disseminated through **mailing lists, articles, news, press releases, thematic websites and the project website**, as well as through the **90 events** - both regional, national and European – thereby ensuring **optimal outbreak of the MAKE-IT-BE project results**.
- **More than 12,000 visitors** had a visit of the Make It Be website.

The MAKE-IT-BE consortium hopes that the results achieved by this project will be useful and will **encourage other European regions** to develop a similar approach. We invite you and your local

and regional government to **learn from our experiences and utilise the MAKE-IT-BE methodology and tools**. We believe this project provides valuable results to assist reaching and/or optimizing the concrete development of bioenergy initiatives and to define potential Biomass Action Plans at the local or regional level – **a win-win situation**.