



GREENOMED NEWSLETTER

Issue no.11

June – July 2019



CIE's second Living Lab event in Zagreb, Croatia

Cluster Intelligent Energy is one of project partners engaged in implementation of GREENOMED transnational cooperative methodology for region of Continental Croatia. In the frame of topic of energy efficiency, Cluster Intelligent Energy organized the 2nd Croatian Regional Living lab event in Zagreb. This event brought together representatives of the Croatian working group gathered around the central theme of energy efficiency.

The main issue was to present FER LARES to participants as Croatian living lab and to discuss about problems and solutions found in the region. FER LARES (Laboratory for Renewable Energy Systems) is part of the Department of Control and Computer Engineering at University of Zagreb Faculty of Electrical Engineering and Computing. Built on the premises of control theory and applications, LARES contributes to improving exploitation and competitiveness of wind energy, sun energy, storage systems, microgrid, energy efficiency in buildings, transport systems and water distribution systems.



Member of CIE's working group in cooperation with CCE Varaždin and CNR Italy presented the problem of Croatian companies who has lack of information about Living labs and benefits of using it. Most of companies are oriented on short term benefits and they are

skeptical about sharing ideas. The working session discussions raised the challenges that Croatian partners face in their ecosystem during the implementing of GREENOMED methodology. In Croatian culture, there is a lack of knowledge and interest in re-use of the materials. Education about re-use is needed in both schools and businesses to raise awareness of the importance of energy efficiency. In this regard, the trans-regional cooperation and learning from best practices are very important for development of Living labs. For this reason, projects like GREENOMED are a great opportunity for networking between clusters in Europe. Clusters need to share their ideas on trans-regional level and innovate together.

This event provided an opportunity for members of the working group to exchange ideas on the importance of using the benefits of Living Labs. Trans-regional cooperation with foreign cluster will result with exchange of practices, knowledge and innovative solutions thus fulfilling the mission of the project GREENOMED.

AFIL: Let's meet GREENOMED stakeholders in Lombardy, Italy

During these 2 years of activities, GREENOMED raised several opportunities not only for the main partners of the project, but also for the stakeholders that tested or learnt about its methodology and joined the events and workshops organised. This resulted in the reinforcement of existing connections and in the establishment of new collaborations among the actors involved and in the framework of the topics addressed.

In this article, we will learn about the "stakeholders experience" directly from the voice of Ilaria Re (IR), project manager of the Lombardy Green Chemistry Association (LGCA) and co-coordinator of the Bioeconomy Pilot within Vanguard Initiative, who is involved



in GREENOMED activities since the beginning thanks to the interactions with AFIL.

The Lombardy Green Chemistry Cluster is the regional point of reference to support the local bioeconomy and brings together over 60 public and private innovators. It is part of the network of Technological Clusters recognised by the Lombardy Region, to strengthen the thematic areas considered priority at national and international level and contributes to the implementation of policy tools for the development of the Smart Specialization Strategy. The Cluster helps to create favourable conditions for the development of the Lombard bioeconomy and encourages the creation of an ecosystem of innovation and collaboration between research centres, universities and companies.

In Europe, the LGCA Cluster contributes to the definition and implementation of policies to support innovation in the bioeconomy sector through participation in networks, including the Vanguard Initiative. In this context, the LGCA Cluster is the technical coordinator of the Bioeconomy Pilot, which brings together 25 entities interested in the creation of a bioeconomy strategy and boosting innovation in the bio-based sector.

The Bioeconomy Pilot also promotes the development of new biobased value chains in Europe by performing pilot and demonstration activities, from regional to higher interregional level, thereby creating more critical mass through complementary assets' exploitation and technological developments' acceleration.

Which are the opportunities for your association raised by GREENOMED project?

IR: Having identified bioeconomy as one of the core topics of GREENOMED Working Groups, the events and workshops organised by the partners have been embraced as an opportunity to expand the network of the cluster connecting the association with other regions as well as to present the demo-case projects ongoing in Vanguard Bioeconomy Pilot and

potentially enlarge the group of Regions involved.

Indeed, starting from the Testing Seminar in Lyon, I had the opportunity of connecting with other stakeholders active in the field of bioeconomy identifying some synergic topics to be further developed. Then in Barcelona, during the second GREENOMED conference, I guided one of the thematic working session interacting with stakeholders from Catalonia, Region of Central Macedonia, and Emilia Romagna; and highlighting some of the priority topics to be addressed by this interregional group (i.e. Microalgae production and bio-polymers)

In particular, a stronger collaboration has been established with i-BEC, a GREENOMED partner who is orchestrating a regional working group on bioeconomy and it is evaluating the opportunity of entering Vanguard Initiative proposing a new demo-case.

Focusing on the methodology, which are the benefits that you exploited?

IR: Talking with the perspective of a regional cluster, the formalisation of a methodology to foster and facilitate the interregional collaboration is extremely important. GREENOMED methodology has been structured to assist the regions who have not yet developed regional working group in order to guarantee the establishment of a common background where all the stakeholders can operate. Consequently, the interregional connections in this context would be easier and companies with similar or complementary needs can be easily matched. Moreover, the identification of Living Lab in the different regions can further contribute to allow companies accessing state of the art technologies at an interregional scale supporting in parallel the identification of bottlenecks and guide to the optimisation of innovation technologies also in the field of bioeconomy.



PROJECT PROGRESS

During the period of June - July 2019, the activities of GREENOMED progressed further with a specific focus on transferring and establishment of interregional collaboration and going on with the testing, transferring and living lab activities. The dissemination activities are ongoing in parallel as in previous periods, spreading awareness on the project and disseminating the intermediary results. More in detail:

- The GREENOMED first Cluster Transfer event took place on 26 June 2019 in Milano, Italy. It was the first transfer event of GREENOMED project, held in the premises of InnovHub, Milano, organised by CNR-STIIMA, AFIL and ACMM, and aimed at transferring the GREENOMED methodology to other Italian clusters, which are not a part of GREENOMED consortium. Clusters from Lombardy, Puglia, Veneto, Liguria and Emilia-Romagna joined the event.
- A GREENOMED Living Lab event took place on 11 July 2019 in Zagreb, Croatia. It was the second event of this type organized by our partner CIE, with focus on the topic of energy efficiency, which brought together representatives of the Croatian working group gathered around this central theme.
- i-BEC organized, on 28 June, their first GREENOMED living lab event in the Region of Central Macedonia, which was dedicated to the SMEs involved in the regional Working Groups.
- Transfer activities went on by consolidating the planning for the transfer events and fixing dates in some regions. According to the planning, most of the transfer events will take place in the period of September-October 2019..
- **Around 10 dissemination activities** were carried out by all the partners to enlarge GREENOMED community, engaging several stakeholders in testing activities,

including companies, universities, and research centres.

WHAT'S HAPPENED IN GREENOMED? (Jun – Jul 2019)

GREENOMED cluster transfer event in Italy

The first GREENOMED cluster transfer event was held in Milano on 26th of June 2019. The event was organised by CNR-STIIMA, AFIL and ACMM in order to transfer the GREENOMED methodology to other Italian clusters that can potentially apply it. Five Italian clusters, external to the project consortium, attended the event namely t2i (Veneto), SIIT (Liguria), Cluster COMET (Friuli Venezia Giulia), Lombardy Energy Cleantech Cluster (Lombardy) and Maritime Technology Cluster FVG (Friuli Venezia Giulia).



During the event, CNR and AFIL presented the GREENOMED methodology along with cluster services and tools that are developed as a part of methodology to the external clusters. ACMM described their experience on how they applied the tools to offer the innovative services and going through different phases of the methodology. An open discussion was conducted to receive insights and feedback



from participants about the methodology and also on how a potential collaboration can be established based on the activities done and results achieved so far in GREENOMED and potential interests of the external clusters synergic to the presented results and process.

i-BEC Living Lab event in Region of Central Macedonia

The first GREENOMED Living Lab event organized by our partner i-BEC took place **on 28th of June 2019 in the Region of Central Macedonia**. Hosted at its premises, the event was dedicated to the SMEs involved in the regional Working Groups. Representatives from the SMEs MilOil Hellas S.A, KARAGIORGOS BROS S.A, KAPPA SIGMA S.A, DOMAIN TARALA I.K.E and BIO-ENERGY S.A had the opportunity to visit the Living Lab of i-BEC dealing with chemical analyses of biomass as well as with microalgae cultivation in different polluted growth mediums.



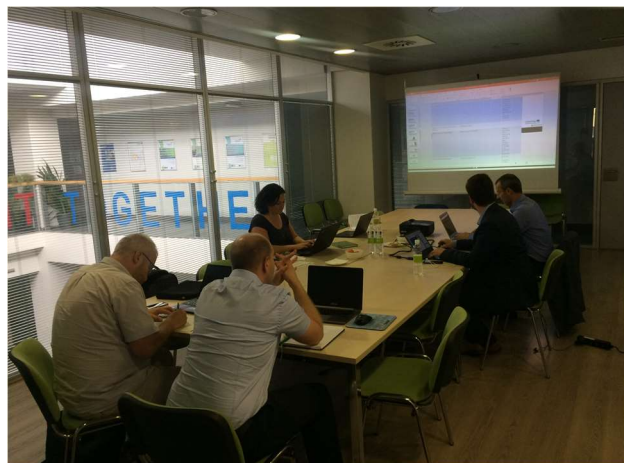
i-BEC's personnel inform the SMEs about the testing activities of the lab as well as its capacity to provide accurate results in the field of agro-based biomass analysis and experimental design for the cultivation condition of microalgae. i-BEC's lab is cooperating with several other labs of the Region of Central Macedonia in order to be able to cover the needs of the agro-based industries located in

the region. Green living lab, a living lab which developed in the frame of GREENOMED PROJECT, is actually a symbiotic network of different labs of the Region conducting research in the field of exploitation of agro-residues. Green living lab aspires to become a specialized local point of applied research in the domain of exploitation of secondary agro-residues, which is one of the most demanding fields of activities in the Region of Central Macedonia in the frame of green manufacturing.

In the upcoming GREENOMED living-lab event which will hold on the 2nd week of October in Thessaloniki, local stakeholders as well as stakeholders coming from other regions of Mediterranean will have the opportunity to visit several labs of the School of Chemistry and the School of Agriculture of the Aristotle University of Thessaloniki which are also members of Green Living lab.

WG meeting in Ljubljana, Slovenia

On 20th of June 2019, the Technology park Ljubljana hosted another working group session with relevant stakeholders SRIP Factories of the Future and TECOS - Slovenian Industrial Association of Toolmakers.





The Working Session was led and coordinated by the newly selected external expert, the company N-ABLE. Experts of N-ABLE will assist Technology park Ljubljana with the development of value chains and proposals within Greenomed project.

ACMM GENERAL ASSEMBLY in Marche, Italy

On 12th of June 2019, took place the general assembly of Cluster Marche Manufacturing (ACMM), an important meeting for companies, universities and research centres associated to ACMM to have an overview on the actual state of the art about ongoing calls and activities.



The goal of the event was to promote new synergies and networking among actors involved. During the assembly, a special focus was dedicated to Greenomed Project, able to create critical mass around the eco sustainable topic within companies of the territory.

WHAT'S NEXT IN GREENOMED?

(Aug – Sep 2019)

Plastipolis meeting with regional stakeholders in Lyon, France

On the 17th of September 2019, in Lyon, Plastipolis is preparing to organise a national event regarding printed electronics on plastic, which is directly connected to smart plastics and the regional working group for Greenomed project. This event will occur in collaboration with Afelim (French Association for Printed Electronics) and IPC (National Technical Center for Plastic). Some Foreign players such as Eurecat will present their work on this topic, but presentation of innovation projects is also planned.

Transition towards blue and green economies in the Mediterranean in Brussels, Belgium

On 19-20th of September 2019, Blue Growth and Green Growth organize a joint event under the theme "Transition towards blue and green economies in the Mediterranean" at the Committee of the Regions in Brussels, Belgium. The two days event marks Interreg Med Blue and Green Growth Communities' three years anniversary, representing the end of their first implementation period and bridging to the upcoming one. After three years of reflections, technical analyses and pilots, multiple events and links with external key actors, both communities from Interreg Med's innovation axis join forces to reflect on key common issues and spaces for more collaboration towards innovative sustainable growth in the Mediterranean.



FOLLOW US



<https://greenomed.interreg-med.eu>



greenomedproject@gmail.com



<https://www.facebook.com/Greenomed>



[@GREENOMED_EU](https://twitter.com/GREENOMED_EU)



<https://www.youtube.com/channel/UC-kiJRIiwtzXyGzjxFLJWww>



<https://www.linkedin.com/company/greenomed-eu/>



NATIONAL RESEARCH COUNCIL OF
ITALY – INSTITUTE OF INTELLIGENT
INDUSTRIAL TECHNOLOGIES AND
SYSTEMS FOR ADVANCED
MANUFACTURING



POMURJE TECHNOLOGY PARK



LOMBARDY INTELLIGENT FACTORY
ASSOCIATION



CROATIAN CHAMBER OF ECONOMY –
VARAZDIN COUNTY CHAMBER



TECHNOLOGY PARK LJUBLJANA



CLUSTER INTELIGENTNA ENERGIJA



ASSOCIATION CLUSTER MARCHE
MANUFACTURING



PLASTIPOLIS



EURECAT FOUNDATION



INTERBALKAN ENVIRONMENT
CENTER