



MINUTES

GREENCAP

The renewable Energies community.

KICK OFF EVENT

Turin, 8th and 9th March 2017

MEETING AGENDA	
Venue: Turin (Italy), hosted by Environment Park SpA	
TIME:	Wednesday, 08.3.2017 Arrival
9:30 – 10:00	Registration of participants
10:00- 10:20	Welcome <ul style="list-style-type: none"> - Environment Park , hosting partner - Bistra Ptuj , project LP, overview of the meeting agenda and remarks
10:20- 10:40	GREENCAP Project description and overview about interaction with MPs , Scientific Research Centre Bistra Ptuj
10:40-11:00	Joint Secretariat Mr. Nicolas GARNIER, Project Officer Interreg MED Programme- Key elements for the successful implementation of the projects and horizontal projects main role
11:00 – 11:15	Questions & Answers
11:15 – 11:30	Coffee break

11:30 - 11:45	COMPOSE – <i>Rural Communities engaged with positive energy</i> - project presentation by Lead Partner, Slovene Chamber of Agriculture and Forestry - Institute of Agriculture and Forestry Maribor
11:45 – 12:00	ForBioEnergy – Forest Bioenergy in the Protected Mediterranean Areas - project presentation by Lead Partner, Sicily Region Councillorship for Agriculture, Rural Development and Mediterranean Fishing – Regional Department for the Rural and Territorial Development
12:00 – 12:15	LOCAL4GREEN – LOCAL Policies for GREEN Energy - project presentation by Lead Partner, Valencian Federation of Municipalities and Provinces
12:15 – 12:30	PEGASUS - Promoting Effective Generation And Sustainable UseS of Electricity - project presentation by Lead Partner, Municipality of Potenza
12:30 – 12:45	PRISMI – Promoting RES Integration for Smart Mediterranean Islands - project presentation by Lead Partner, Sapienza University of Rome
12:45 – 13:00	StoRES – Promotion of higher penetration of distributed PV through storage for all - project presentation by Lead Partner, UNIVERSITY OF CYPRUS
13:30- 14:30 Lunch break	
14:30 - 15:30	COMMUNICATION ROUND TABLE Chairman: Gerasimos Mentzelopoulos, Patras Science Park Participants: communication leaders of MPs
15:30 - 15:50	GREENCAP community building: overview of activities developed as support of the modular projects - Paola Zitella, Environment Park SpA
15:50 – 16:10	GREENCAP capitalization: overview of activities developed as support of the modular projects - Axelera
16:10 – 16:40	General discussion with modular projects partners about GREENCAP projects activities and expectation
16:40 – 17:00	Coffee Break and organization of groups for visits e/o B2B
17:00 – 18:00	Environment Park facilities visit and B2B
19:00 Social Dinner for all PPs, ice breaker games, speed speeches	
Thursday, 9.3.2017	
9:00 – 9:15	Creation of the Thematic Working Groups (TWG)
9:15 – 11:15	Working on TWG
11:15 – 11:30	TWG on BIOMASS VALUE CHAIN – summary of the working outcomes – Paola Zitella, Environment park SpA
11:30 – 11:45	TWG on GREEN FISCALISM – summary of the working outcomes - Cynthia Echave, BCNecologia

11:45 – 12:00	TWG on LOCAL RENEWABLES - summary of the working outcomes – Dusan Klinar, Scientific Research Centre Bistra Ptuj
12:00 -12:15	TWG on ENERGY MIX - summary of the working outcomes – Maria Tsami , Patras Science Park S.A.
12:15 – 12:30	TWG on NEAR ZERO BUILDINGS - summary of the working outcomes – Sophie Mazet, Axelera
12:30-13:00	General discussion about TWG
13:00 – 13:15	Questions & Answers and final discussion
13:15 – 13:30	Conclusion
13:30- 14:30 Light Lunch	
	Departure

List of Participants: All modular partners present (send in separate document)

Day 1 (8th February):

1. Greetings and presentation of the hosting partner Environment Park Spa and the project Lead Partner Bistra Ptuj
 - The meeting started as previewed with a welcome presentation by Dr. Davide Damosso and Dr. Paola Zitella, representing the hosting partner Environment Park Spa. A presentation by Danilo Čeh, the project lead partner from Bistra Ptuj, followed: the presentation aimed to show clearly the objectives and the future outputs of the GREENCAP program.
2. Joint Secretariat Mr. Nicolas Garnier, the Project Officer Interreg MED, presented the Programme key activities for the development of the MED thematic community.
3. The modular projects' partners were welcomed to present an overview of the project, the objectives and the outcomes. The MP were represented by:
 - Sergio Andreis, from Kyoto Club, for COMPOSE.
 - Massimo Pizzuto Antinoro, from Sicily Region, for ForBioEnergy
 - Andrea Vignoli, from ANCI Lazio, for LOCAL4GREEN
 - Marco Caponigro, from DeMEPA Srl, for PEGASUS
 - Davide Astiaso Garcia, from Sapienza University, for PRISMI
 - Eliza Loucaidou, from University of Cyprus, for StoRES

All MP presentations have been sent to each horizontal and modular partners.

4. Communication Round Table

- Leading by Geramisos Mentzelopoulos, from Patras Science Park, in charge of WP?, a round table was organized in order to fix the objectives and the main activities about communication. Each MP was represented: Sergio Andreis for COMPOSE, Valentina Jacan for ForBioEnergy, Andrea Vignoli for LOCAL4GREEN, Marco Caponigro for PEGASUS, Daniele Bruschi for PRISMI, Eliza Loucaidou for StoRES.

- Summary outcomes from communication roundtable:

Communication roundtable started with a brief description of the new Program approach towards a thematic community creation and spirit, activities and strategy as one entity, project identity, than independent and isolated results.

In this respect, GREENCAP project comes to assist in thematic community creation, capitalize results of modular as well as past EU related projects, disseminate program and projects activities increasing their impact throughout the Mediterranean area. Furthermore, via participation in Axis-4 working groups, proceed in lobbying activities and promote program and community issues. Finally, it is expected that future MED community and EU strategy will move towards cluster type formations and synergies, thus GREENCAP horizontal project could start as an initial point of reference and cooperation.

Then, each modular project representative took the floor and presented their expectations/proposals from GREENCAP Horizontal project. In Summary those are described below:

- Lobbying at EU level and especially decision making groups. This is necessary if project results and proposed plans are to be incorporated in regional and national policies.
- Participation in Parliamentary discussions. This also states an Interreg MED program necessity.
- Promote and demonstrate RES and Energy Efficiency (EE) potential throughout Mediterranean area.
- Share and spread best practices.
- Produce technical reports of policy recommendations based on modular projects results.
- Raise public awareness and inform regional stakeholders. Not only academia and researchers. Expand visibility.
- GO beyond project level. Approach end users, involve stakeholders and decision makers at local and national level.
- Program and organize a common last conference in Brussels or another place of interest for EU. (Marseille)

5. GREENCAP community building

- In charge of WP3, Dr. Paola Zitella, from Environment Park Spa, presented the main activities for how to strengthen the GREENCAP community. A draft index for the community building strategy and plan has been shared with all the participants.

6. GREENCAP capitalization

- In charge of WP4, Fabrice Berthier, from Axelera, presented the main capitalization activities in order to increase visibility, facilitate transfer, create synergies and advocating.

The meeting concluded with Environment Park facilities visit.

Day 2 (9th February):

Technical Working Groups (TWG) organisation

1. Clean Tech Innovation Hub presentation by Dimitrios Trachylis

Mr Dimitrios Trachylis presented the main activities and partners of the Clean Tech Innovation Hub, based in Patras Science Park.

Composition of the Thematic Working Groups.

2. GREEN FISCALISM, led by Cynthia Enchave- BCNecologia:

Francesco Filippi – MUSOL Foundation

Ander Bilbao – BCNecologia

Davide Astiaso Garcia – Sapienza University

Overview of green fiscalism in EU

<p>STRENGTHS</p> <p>Governance in local level</p> <ul style="list-style-type: none"> - More capacity to involved tertiary, transport and residential sectors. - Possibility to introduce RES supply from a concession service (public tender) - Own investment capacity to implement innovation measures through city management <p>MED territories urban model</p> <ul style="list-style-type: none"> - Most of Mediterranean countries present compact land use instead of sprawling, positive factor for sharing energy systems. - In EU countries exist a wide experience in support schemes <p>Society</p> <ul style="list-style-type: none"> - We are living in the middle of the energetic transition 	<p>WEAKNESSES</p> <p>Governance in local level</p> <ul style="list-style-type: none"> - Low capacity of modification and influence for local regulations at municipality level. - Authorization timelines, exists a real need to simplify processes. - Retroactive application of regulations and laws <p>MED territories urban model</p> <ul style="list-style-type: none"> - High diversity of local regulations between MED countries
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<p>OPPORTUNITIES</p> <p>Governance in local level</p> <ul style="list-style-type: none"> - High potential for apply fees and taxes revenues - Higher feasibility for new distribution systems (microgrids) through “Power Purchase Agreements”. - Possibility to integrate several consumption sectors (transport by electric vehicles). <p>MED territories urban model</p> <ul style="list-style-type: none"> - Integrate energy value into carbon taxes, in order to encourage defiscalisation measures that link to climate change strategies. - RES development contribute to increase attractiveness of rural areas and promote local economy. <p>Society</p> <ul style="list-style-type: none"> - People are more sensible to bottom-up strategies and to economic benefits. - ICT solutions bring information that serves as a bridge between users and producers. 	<p>THREATS</p> <p>Political & economic</p> <ul style="list-style-type: none"> - Geopolitical decisions - Energy lobby interests - Low control from governments <p>Administrative bureaucracy</p>
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Key words: Local Authority, Governance Municipalities, Urban Model, Compactness

Rural Areas, Diversity Of Regulations, Microgrid Integration, Power Purchase Agreements, Carbon Tax, Geopolitics, Economic Attractiveness

Synergies synthesis

1. Synergies between Modular Projects: which are the common aspects that interest about green fiscalisation according to the targets of each MP.

- Legal regulation during pilot development
- Legal regulations framework in municipalities (local authorities).

2. Synergies with the TWG theme: what kind of role in capitalization process does participants can be involved.

- Surveys, interviews.

3. Synergies with past and on going projects: List of projects: database of deliverables and contacts of previous and on-going relevant projects.

- In process

Group outcomes

- **Recommendations to Modular projects:**

Highlight potential of local scale regulation solutions

Awareness for advances and constraints in pilot experiences about legal regulations.

- **Future plan of activities:**

SEPTEMBER – DECEMBER 2017

Discuss about Methodological Handbook from LOCAL4GREEN deliverable

- **Hypothesis:**

In order to doubts exposed by MP's, webinars and telecoms will be

organize with one week anticipation.

- List of main bottlenecks of the theme from a technical point of view

(Treaths)

- Expectation from the e-learning tool on the specific topic

Encourage spread handbook method in other countries.

- Number of pilot application already note about the topic

none

- Number of pilot cases under developing in the framework of the MED projects

60 measures to apply

- Next meeting dates

September – December 2017

- Outstanding issues to think about to discuss it in the next meeting

Exchange of Local regulations survey

- Identification of needed expertise to serve on the Working Group

HOLTROP...

- Needed links with others TWGs

Should maintain a transversal presence

- Identify critical questions for which an in-depth review/systematic review of past experience is needed and determine important outcomes

Identify successful and failure cases

LOCAL RENEWABLES, led by Dusan Klinar- SRC Bistra

1. PRESENTATION OF THE GROUP

- short presentation of the members and description of their role in the project, in particularly related to the TWG theme;
- each member of the group explains the overall situation of the TWG topic in his country.

Modular projects and their representatives:

GREENCAP	Dušan Klinar	(Bistra Ptuj, SLO)
1) ForBioEnergy	Valentina Jačan	(Zadar, Hr)
2) StoRes	Massimo Carboni	(Sardinia, IT)
3) LocalF4Green	Andrea Vignoli	(ANCI Lazio, IT)
4) Compose	Sergio Andreis	(Kyoto Club, IT)
5)Prismi	Daniele Brusci	(LaSapienza ROME, IT)

Picture 1: TWG group of local renewables representatives from modular projects

2. ELABORATION OF A SWOT ANALYSIS

The SWOT analysis identifies the Strengths, Weaknesses, Opportunities and Threats of the TWG theme. Based on the SWOT analysis, the group synthesise the following aspects that encourage the synergies between modular projects and horizontal project (Greencap):

a.) Potential synergies between modular projects in the TWG topic,

b.) Expected advances in the TWG topic from Greencap project.

Results of SWOT analysis performed by TWG modular projects group:

STRENGTHS Explain: - advantages

- strong local support, better cooperations between R&D and stakeholders,
- connection to region level,
- the multilevel planning process,
- knowledge of the regulatory framework to remove administrative and technical obstacles,
- innovative technologies for BM utilisation,
- media awareness and public opinion,
- new business and work opportunities for rural areas.

WEAKNESSES - Explain your: - disadvantages, limitations; - what could be improved

- differentiated regulations and competencies,
- passive conservations of the current situation,
- lack of awareness connected to political will and consequently decisions for stronger financial support,
- absence of participatory processes at the regional level,
- lack or even absence of deep planning process for the use of RES,
- a mixture of interests, conflict between public and private interests.

OPPORTUNITIES - Explain: - possibilities to improve performance

- arranging energy mix at a local level by the link between expertise,
- new business and employment opportunities in rural areas to support the green economy,
- sharing and promotion of success stories to promote possibilities of Win-Win solutions,
- RES as contribution to circular economy,
- application of best practices for sustainable RES technologies,
- create better storage and distribution grids for RES,
- quality standards and traceability.

THREATS Explain: - obstacles faces

- energy mix at a local level,
- reaching tangible results,
- importance of local and especially regional involvements,
- high fix costs for energy consumers,
- lack of initiatives,
- low prices of energy (especially from fossil sources), both heat and electricity.

AD a)

Synergies among modular projects are not possible to fully understand while partners start to work on projects recent and need some time to become familiar parts and tasks of the project. Partners believe this issue should be discussed and improved during next two Skype meetings of the TWG.

AD b)

Very similar conclusions have been elaborated as above due to rather short time since projects beginning and synergy potential is hard to be assessed. Team understand that this potential will be fully understood and exploited in the next year of cooperation among modular projects.

3. SYNERGIES SYNTHESIS

Synergies with the past and ongoing projects:

- 1.) List of the projects: database of deliverables and contacts of previous and on-going relevant projects

List of the projects and its attributes is not available at this time line of projects execution. Group expect to identify and collect a comprehensive list of projects connected to TWG thematics.

- 2.) Synergies with the TWG theme

As identified above some cross thematics and interests still too early to be identified. TWG group expect to identify these thematics within next months for modular projects development and joint work of TWG group.

4. SUMMARY OF THE WORKING OUTCOMES:

- a. Draft Minutes of Working Group activities done
- b. Develops a plan for routine operations of the group

Plan of future activities:

- online meetings with screen share: timing (at least first meeting date definition)

Team agree to have a skype meeting each three months and evaluate actions, results and discuss findings and new insights about thematics of each modular project and contributions to the TWG thematics.

- online surveys

Team agree to plan this activity later as projects activities become ongoing while partners can also arrange these activities.

- online forums/blog

Start to be prepared within three months

- a mailing list for common communication

Coordinator of WP will arrange mailing list of TWG group participants.

ENERGY MIX, led by Gerasimos Mentzelopoulos- Patras Science Park

- Marco Caponigro – DeMEPA Srl
- Alberto Giaconia – ENEA
- Eliza Loucaidou - University of Cyprus
- Maria Tsarmpopoulou – CRES
- Maria Tsami – Patras SP

List of key words: Co-generation, storage, PV, Grid, metering, regulations, safety, batteries, demand site management, funding mechanisms

Questions to answer:

List of main bottlenecks: Open data use and grid availability

Expectation of the e-learning tool: business cases, questionnaires

Number of pilot applications already note: Those referred to the database produced

Number of pilot cases under development by MED projects: >10 (Pegasus, Stores project)

Next meeting dates: July 2017

Outstanding issues to think about to discuss in the next meeting: Need to conceptualize

Identification of needed expertise to serve on the WG: Already available but need more look into the other projects

Needed links with other TWGs: Local renewable, Fiscalization

NEAR ZERO BUILDING, led by Lidija Tusek, Bistra

❖ Danilo Ceh, Bistra

The overall conceptual understanding of a Net ZEB is an energy efficient, grid connected building enabled to generate energy from renewable sources to compensate its own energy demand.

Successful zero energy building designers typically combine passive solar, or artificial\fake conditioning, principles that work with the on-site assets. Sunlight and solar heat, prevailing breezes, and the cool of the earth below a building, can provide daylighting and stable indoor temperatures with minimum mechanical means. ZEBs are normally optimized to use passive solar heat gain and shading, combined with thermal mass to stabilize temperature variations throughout the day, and in most climates are superinsulated. All the technologies needed to create zero energy buildings are available off-the-shelf today.

The heating and cooling loads are lowered by using high-efficiency equipment, added insulation, high-efficiency windows, natural ventilation, and other techniques. These features vary depending on climate zones in which the construction occurs. Water heating loads can be lowered by using water conservation fixtures, heat recovery units on waste water, and by using solar water heating, and high-efficiency water

heating equipment. In addition, daylighting with skylights or solartubes can provide 100% of daytime illumination within the home. Nighttime illumination is typically done with fluorescent and LED lighting that use 1/3 or less power than incandescent lights, without adding unwanted heat. And miscellaneous electric loads can be lessened by choosing efficient appliances and minimizing phantom loads or standby power. Other techniques to reach net zero (dependent on climate) are Earth sheltered building principles, superinsulation walls using straw-bale construction, pre-fabricated building panels and roof elements plus exterior landscaping for seasonal shading.

Situation in countries

Italy

- renovating, the cost for higher energy efficiency is the main question
- Energy certificate
- Tax reduction, GSE gives incentives for public CONTO TERMICO fund and private CERIFICATI BIANCHI, POR gives incentives to public authorities for building renovations

Greece

- energy certificate for new buildings, at selling
- Tax reduction
- INcentives safe house

Slovenia

- energy certificate for new buildings, selling/buying, long-time renting
- Fund for making buildings more energy efficient EKO SKLAD

France

- energy certificate is also a must
- Tax reduction

The roles of TWG members by country

Project in zero buildings

1. Past projects: ProforbioMed - policy paper; GovemEE - plan to make energy efficient public building, Ensure - energy smart buildings
2. Current: modular projects of GC - indirect connection, elements for ZB, fiscal measures; more direct Mednice HP

Database of GC will be used for TWG, synergies to MEDNICE

Questions

1. Bottlenecks: Technical limits on usage of RES, big or small roof, lack of variety of RES
2. E-learning; combine with MEDNICE e-learning tool, solutions ready to go, good practices, state of the art analysis, pilot actions
3. Communication by e-mails, skype by need.

Team GP

