

COASTENERGY - "Blue Energy in ports and coastal urban areas"

1st meeting of the Cross-border Coastal Energy Hub

November, 2019

Deliverable Number D4.1.1

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| Project acronym | COASTENERGY |
| Project ID number | 100445844 |
| Project title | Blue Energy in ports and coastal urban areas |
| Priority axis | Blue innovation |
| Specific objective | 2 – Develop "coastal energy networks" to improve cooperation among quadruple helix actors |
| Work Package number | 4 |
| Work Package title | Creating multi-level Hubs to define joint strategies & local actions supporting coastal Blue Energy |
| Activity number | 1 |
| Activity title | Establishment of multi-level Hubs for Blue Energy development in coastal areas |
| Partner in charge | DURA |
| Partners involved | All partners |
| Status | Final |
| Distribution | Public |

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INTRODUCTION

The 2nd Steering committee meeting and 1st Cross-border Coastal Energy Hub of project COASTENERGY - Blue energy in ports and coastal urban areas has taken place in Pescara, from 6th to 8th of November 2019, hosted by the project partner Chamber of commerce industry agriculture and craft Chieti Pescara.

Following representatives participated on the meeting:

- IRENA – ISTRIAN REGIONAL ENERGY AGENCY L.T.D.
- DEVELOPMENT AGENCY OF THE CITY OF DUBROVNIK DURA
- THE INTERNATIONAL CENTRE FOR SUSTAINABLE DEVELOPMENT OF ENERGY, WATER AND ENVIRONMENT SYSTEMS (SDEWES CENTRE)
- UNIVERSITY OF CAMERINO
- UNIVERSITY OF UDINE
- COMMUNITY OF MEDITERRANEAN UNIVERSITIES
- CHAMBER OF COMMERCE INDUSTRY AGRICULTURE AND CRAFT CHIETI PESCARA
- CITY OF PLOČE

The following chapters provide a more analytical description of the meeting, including the agenda, the minutes and the SC decisions.

AGENDA

First day – Wednesday, 6th November 2019

Project meeting

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| 13:00-14:00 | Buffet lunch in the Chamber of Commerce | All partners and stakeholders |
| 14:00-15:00 | Stakeholder's networking | All partners and stakeholders |
| 15:15-15:30 | Welcome speech and introduction to partners' meeting | Host, LP |
| 15:30-16:00 | <p>WP1 - Project management and coordination of activities</p> <ul style="list-style-type: none"> • <i>Financial status</i> • <i>Monitoring and evaluation report – 1st progress period</i> • <i>Results to be delivered by the end of 2nd progress report</i> • <i>Overview of 3rd progress report</i> | LP |
| 16:00-16:45 | <p>WP3 - Analysis of the potential of integrated Blue Energy production in the Programme area's coasts</p> <p>Short presentation of deliverables done in 1st progress period:</p> <ul style="list-style-type: none"> • Methodology for the background analysis • Stakeholders' map <p>Discussions about next deliverables (description, data needed, deadlines):</p> <ul style="list-style-type: none"> • Regulatory framework and background analysis • Blue Energy potential analysis | <p>SDEWES CENTRE</p> <p>All partners</p> |
| 16:45-17:00 | Coffee break | |

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| 17:00-17:30 | <p>WP4 - Creating multi-level Hubs to define joint strategies & local actions supporting coastal Blue Energy</p> <ul style="list-style-type: none"> • Introduction in 1st Cross-border Coastal Energy Hub • Guidelines for the establishment, implementation and assessment of Local Coastal Energy Hubs • Roadmap and recommendations for the development of integrated Coastal Energy systems in Italy and Croatia • Deadline for 2nd Cross-border energy Hub – Dubrovnik • Next steps – 3rd project period - Defining pilot projects | <p>DURA</p> <p>All partners</p> |
| 17:30-18:00 | <p>WP2 - Communication activities</p> <ul style="list-style-type: none"> • Results of 1st project period • Expected in 2nd progress period | <p>CUM</p> |
| 18:45-18:30 | <p>Discussions and End of the day</p> | <p>All partners</p> |

Second day – Thursday, 7th November 2019

1st Cross-border Coastal Energy Hub

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| 9:30-10:00 | Registration of participants | |
| 10:00-10:15 | <p>Welcome speech and Opening of the 1st Cross-border Coastal Energy Hub</p> <p>Gennaro Strever – President of the Chamber of Commerce of Chieti Pescara</p> <p>Carlo Masci – Mayor of the City of Pescara</p> <p>Marco Marsilio – President – Region of Abruzzo</p> <p>Guido Vettorel - Central Adriatic Ports Authority</p> | |

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|-------------|---|---|
| 10:15-10:30 | Overview of project COASTENERGY | Irena – Lead Partner |
| 10:30–11:00 | Blue Economy and the institutional strategy: legislation | Region of Abbruzzo – Energy policy – Iris Flacco |
| 11:00-11:15 | Energy/climate protection regional overview | ARTA – Regional agency for environmental protection |
| 11:15 | Coffee Break | |
| 11:45-12:00 | Opportunities of Blue Energy for industrial clusters | ARAP – Regional Agency for Productive Activities |
| 12:00-12:15 | The Interreg Med project Maestrale: results and outputs | Federica Di Pietrantonio |
| 12:15-12:30 | Outcomes of the Pelagos project in Adriatic | Hrvoje Mikulčić – University of Zagreb |
| 12:30-12:45 | Coastenergy, case study of the Municipality of San Benedetto del Tronto | Stakeholder – Sergio Trevisani |
| 12:45-13:00 | Analysis of potential of tidal turbines at Adriatic Sea | Tihana Pađin |
| 13:00–13:15 | Experience of Mola di Bari Municipality | Stakeholder – Nico Berlen |
| 13:15-13:30 | Question time | |
| 13:30 | Buffet lunch | |

2nd steering committee meeting

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|-------------|---|--------------|
| 15:00-16:30 | Discussion <ul style="list-style-type: none"> • Next deliverables and deadlines • Project minor changes • Financial issues | All Partners |
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| 16:30-17:00 | Closure of 2 nd Steering committee meeting | All partners |
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Social dinner

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| 20:30 | Restaurant “Le Terrazze” – Hotel Esplanade – Piazza I Maggio, 46, Pescara | All Partners + stakeholders |
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Third day – Friday, 8th November 2019

Study visits

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| 10:00 – 12:00 | Odoardo Zecca Srl – Ortona https://www.zeccaenergia.it/ | All Partners + stakeholders |
| 12:00 – 13:00 | Touristic Harbour – Marina di Pescara https://www.marinape.com/en/index.html | All Partners + stakeholders |
| 13:00 | Lunch – Restaurant Franco – Touristic Harbour – Marina di Pescara | All Partners + stakeholders |

REPORT

First day – Wednesday, 6th November 2019

Afterwards Dalibor Jovanović on behalf of IRENA as a lead partner and Pia Pohjolainen on behalf of the hosting partner (CHAMBER OF COMMERCE INDUSTRY AGRICULTURE AND CRAFT CHIETI PESCARA) welcomed all partners and stakeholders and opened the meeting.

WP1 - Management

The first presentation was related to the activities of project management (WP1). Mr. Dino Glavičić, on behalf of IRENA, introduced partners to the state of art of the project activities. So far, the following tasks have been completed:

WP1 – Project management and coordination of activities – 1st project period – Delivered

Activity details 1.1 – Start-up activities

- D1.1.1: Partnership agreement – DONE
- D1.1.2: Project management structure – DONE
- D1.1.3: Project work plan – DONE

Activity details 1.2. Day-to-day project management, coordination and internal communication

- D1.2.1: Monitoring and evaluation plan – DONE
- D1.2.2: Biannual Administrative-technical reports – DEADLINE – END OF EACH PROGRESS PERIOD
 - DONE for the 1st project period
- D1.2.3: Biannual Monitoring and evaluation report – DEADLINE – END OF EACH PROGRESS PERIOD
 - DONE for the 1st period
- D1.2.3: Biannual Monitoring and evaluation report – DEADLINE – END OF EACH PROGRESS PERIOD

- DONE for the 1st project period

Activity details 1.3. Steering and monitoring of the project implementation

D.1.3.1: Steering Committee procedures manual – DONE

D1.3.2: Minutes of the Steering Committee meetings

- 1 preparatory meeting – coupled with the Kick Off meeting – DONE
- 4 biannual ones – combined with the meetings of the Technical Board and of the Cross-border Coastal Energy Hub – 1st DONE

DURA will be the host of the 2nd Cross-border Coastal Energy Hub + Steering Committee and Technical Board to be organized in April 2020. University of Udine will be the host of the 3rd Cross-border Coastal Energy Hub + Steering Committee and Technical Board to be organized in September-November 2020. City of Ploče will be the host of 4th Cross-border Coastal Energy Hub + Steering Committee and Technical Board to be organized in March 2021 and finally, Final International Conference will be organized by the Community of Mediterranean Universities in Bari in June 2021.

Next Cross-border Coastal Energy Hub + Steering Committee and Technical Board should aim at defining a joint roadmap for the development of coastal blue energy systems in the Programme area, based on the outcomes of WP3 and on the multi-level exchange of knowledge and ideas within the Hubs. The meetings, conceived as workshops, will be focused on the joint analysis of problems and potentials and on the participatory definition of a set of initiatives to be undertaken at cross-border and national level to support local actions, building a favorable environment for the implementation of concrete blue energy projects in coastal areas.

Partners agreed that the date for next meeting and HUB will be in the period from 20th to 24th April 2020.

Activity details 1.4. Financial management

D1.4.1: Biannual financial report is in progress because of administrative delays in the certification procedures of Croatian FLC, deadline for SUBMISSION of 1st progress report was postponed until 18th of November 2019 (That is deadline for SUBMISSION of report which means that we need to CONFIRM the report in SIU at least few days earlier so our JS officer could have enough time to check the report and allow us to sign needed documents and submit report by 18th). Partners were told to try to finalize their FLC procedures by 14th of November 2019 (deadline for confirmation), to contact their FLC and that partners which don't produce COVE by 14th of November 2019 will be excluded from 1st joint progress report. Partners were provided with the information on which ones are finished with Biannual financial report and which ones still need to do it. Also, expected spending were presented, as well as the dates for preparation of 2nd PR:

- January-February 2020: Preparation of 2nd PR from all partners and submission of PR to FLC
- By the end of February 2020 partners should submit to the Lead partner their DoV
- By the end of March 2020 Lead partner should prepare the 2nd Joint Progress report

Minor modifications with no significant impact on the project can be done anytime on the occasion of PR submission and needs to be communicated by LP in Progress Report and approved by JS/MA;

- Legal and administrative changes
- Budget modifications
- Modifications of the workplan

For budget modifications each PP must inform LP if it needs a minor budget change and fill two tables (budget reallocation template COASTENERGY and SIU Budget Change tool COASTENERGY) which should be sent to LP at the beginning of preparation of PP progress report. Lead partner checks the request and if it satisfies the rules of minor change and informs JS that changes in SIU will be performed.

All minor modifications should be reported to LP. The 20% has always to be calculated taking into consideration the total amount of the budget line or of the WP you want to increase. The overall

total budget of the project has to remain the same, thus you need to move resources from other budget lines (and/or WPS).

Target groups in period 1

Regarding Target groups there was agreement that the 16000 people (general public) can be considered as reached even if they only read about it. Press can also be considered as one of the methods presuming that every person that receive the newsletter read about the project.

| Target group | Value | Period 1 |
|--|--------|---------------|
| General public | 16.000 | 16.127 |
| Local, regional and national public authorities and related entities | 50 | 19 |
| Regional and local development agencies, environmental agencies, regional associations | 20 | 6 |
| SMEs | 120 | 16 |
| Universities and research institutes | 24 | 3 |
| Centers of R excellence | 2 | 0 |
| NGOs, associations, innovation agencies, business incubators, cluster management bodies and networks | 40 | 4 |

Project partners should report target groups in Project Partner Activity Report:

- Target groups number,
- Target group name (name of institution, NGO, SME etc.)
- Source of verification,
- Description of the target group involvement

Note:

If target groups are not explained in details in PP Activity Report, LP will request from PP additional informations because these are important for development of Joint PR. The same target groups can be counted just once during project duration.

Partners also agreed that 5000 visits of web site cannot be made through the same IP numbers, but there must be 5000 visits from different people with different IPs.

By the time of writing these minutes newsletter is already done with a few words about the meeting. It is in two languages (Croatian and Italian) and translated by the other partner.

Deadlines for local conferences and HUBs passed so these activities need to be done asap. Conference should be organized at least by the end of the year. Mr. Jovanović also explained how to organize the conference and who is to be invited.

The announcement of every event should be sent to Mr. Flavio Camerata (CUM) at least three days before it takes place.

As regards the advance payment the LP was entitled to request an Advance Payment of 10% of the overall ERDF contribution and correspondent FdR. Request was sent on 22/07/2019, the advance payment was received on 31/10/2019 and amounts were transferred to PP's on 5/11/2019. The total amount of the advance has to be reported within the second Progress Report. If the total amount of the advance is covered by verified expenditure, the financial guarantee can be cleared before its expiry date.

WP1 – Communication activities – 1st project period

D2.1.1: Kick-Off Meeting - DONE

D2.1.2: Communication Plan – DONE

Mailing list of the main stakeholders – should be updated – expected: 300 contacts

D2.3.1: Project Poster - A3 size poster template – DONE (All partners have prepared a personalized version and posted it at their headquarters)

D2.3.2: Project flyer template – DONE (Three of the partners have prepared a personalized version and used it in local events)

D2.3.3: Press releases: 15 press releases issued

D2.3.4: Local conferences: 3 local conferences organized (LP -IRENA – KOM, PP2-SDEWES and PP7-Ploče) (problem: low number of participants – min. 30 participants per conference)

D2.4.2: Report on the participation in external events – 1 report (LP – IRENA)

D2.2.1: COASTENERGY web communication pack – efforts to upload contents on the website have been made without success due to serious technical shortcomings in the platform provided by the Programme. However, the platform seems to be slowly improving and further development will be followed by the Communication Manager.

Official web page link: <https://www.italy-croatia.eu/web/coastenergy>

COASTENERGY social media account link: <https://www.facebook.com/coastenergy.interreg/>

All partners have uploaded information about the project in their official websites.

WP2 – Communication activities – 2nd project period - EXPECTED

Mailing list of the main stakeholders – should be updated – VALUE: 300 contacts

D2.3.3: Press releases: a press release needs to be issued in coincidence with the meetings organized within the project (Hubs, conferences etc.)

D2.3.4: Local conferences: PP1, PP3, PP4, PP5, PP6 – (minimum of 30 participants)

D2.4.2: Report on the participation in external events – at least 1 report per partner (PP1, PP2, PP3, PP4, PP5, PP6, PP7)

D2.2.1: COASTENERGY web communication pack – Update + 1 newsletter

COASTENERGY social media account - Update

WP3 - Analysis of the potential of integrated Blue Energy production in the Programme area's coasts - 1st project period

D3.1.1: Methodology for the background analysis – DONE

D3.3.1: Stakeholders' map – DONE – should be updated during project duration

WP3 - Analysis of the potential of integrated Blue Energy production in the Programme area's coasts - 2nd project period - EXPECTED

D3.2.1: Legislative and regulatory framework (2 country reports + joint report)

D3.2.2: List of references for data collection

D3.2.3: Review of case studies on integrated Blue Energy and RES systems progress period

Minor modification of DEADLINE - prolonged to 3rd progress period

D3.4.1: Preliminary document - Report

D3.4.2: Online IT-HR Coastal Energy geodatabase

D3.4.3: Energy potential analysis of pilot areas

WP4 - Creating multi-level Hubs to define joint strategies & local actions supporting coastal Blue Energy - 2nd project period – EXPECTED

D4.1.1: 1st meeting of the Cross-border Coastal Energy Hub – DONE

D4.1.2: Guidelines for the establishment, implementation and assessment of Local Coastal Energy Hubs – The document prepared by the Cross-border Coastal Energy Hub (coordinated by WP4 coordinator – PP1 – DURA), will set the procedures to establish, implement, monitor and assess Local Coastal Energy Hubs, including rules for participants' selection, methods and techniques for stakeholders' mobilization, involvement, and capacity building.

Furthermore, the agenda for the next HUB should be done much earlier than this one. We need to have the draft agenda for the next HUB in December along with the list of topics in order to secure the right stakeholders' presentation.

Second day – Thursday, 7th November 2019

Second day started with the opening speech by Gennaro Strever, President of the Chamber, who noted that all of humanity benefits from the use of energy sources capable of securing new jobs and economic development.

During the Steering Committee meeting partners agreed that there is a need to define new deadlines for WP2 and WP3.

WP2

By the time of writing these minutes the newsletter was translated and sent to recipients. Partners agreed that there should be 600 contacts in total (40 per project partner including the stakeholders' contacts already collected)

Local conference should be organized by the end of the year and HUBs in February 2020.

Project flyers (500) shall be in indd. file template, all partners need to add their own text on their language by the end of the year respectively, by the organization of the first conference. All partners should send their digital version to the WP2 leader.

As regards the City of Ploče, since they already organized one conference the decision is that they don't need to organize another one by the end of this year.

WP3

The analysis of the Legislative framework should be done by the end of December. Activity should be finished by the end of this year and then we can add something later.

There should be two proposals of case studies per project partner, enclosing a short description so that the SDEWES can choose which one is the most promising. There is a need to define a deadline for this short description. Deadline for draft version of case studies is end of November. A case study can be a prototype but it is important that it is fully operational in its environment. Deadline for data collection and also for references and case studies is the end of November.

3.2 Regulatory framework and background analysis

D3.2.1 Legislative and regulatory framework (2 country reports + joint report)

- It should give a critical overview of regulations crucial for successful deployment of BE technologies
- The plan is to deliver a document which describe step-by-step procedure for obtaining all necessary documents and approvals
- The task should be divided between IT/HR partners for both types of technologies (wave converters and heat pumps) in order to identify drawbacks from both sides

- Inclusion of national distributors and grid operators into wave converters technologies could be the problem
- The analysis should FOCUS ON LOCAL AND REGIONAL ACTS, because in general they are the most important ones
- Partners agreed that we will collect and provide an overview of legislation and regulations for the deployment of BE technologies by the end of the year (12/2019)

D3.2.2 & D3.2.3

- NOT just collecting the information as it was done in Maestrale, but providing key information regarding the operational characteristics and application possibilities
- Partners agreed to send the draft version by the end of November in order to have enough time to adjust or add something in December if needed.

3.4 Blue Energy potential analysis

D3.4.1: Preliminary document -Report

- Covering examples of good practice which can be useful for relevant stakeholders, and those which are planning similar projects

D3.4.2: Online IT-HR Coastal Energy geodatabase

- For the Croatian regions there is possibility to incorporate information regarding the BE project as a new layer in existing County databases
- Previous solution might be a problem for Italian side - CHECK IT OUT - if this is not possible for Italian side, new database is going to be developed

- University of Camerino is in charge for the development of web-gis (its budget allocation is 30.000,00 €, the rest of the partners has 15.000,00 € each, to cover costs for acquisition of data)

D3.4.3: Energy potential analysis of pilot areas

- Data availability might be a problem since some information are now licensed by private companies
- High resolution up to 25m could be beneficial for this task
- Blue energy potential is difficult to be assessed, focus is more on demand side and on which technology could fulfill it
- Conducting analysis implies evaluating energy demand for the buildings, and in case of wave converters, potential location for deploying this technology (new port infrastructure that is going to be build and similar)

Third day – Friday, 8th November 2019

Study visits of:

Odoardo Zecca Srl – Ortona <https://www.zeccaenergia.it/>

Touristic Harbour – Marina di Pescara <https://www.marinape.com/en/index.html>

End of meeting