



## D.T4.3.2.

### Training of PAs in the five project countries for nearing them to REEF 2W - \*REPORT\*

-combined with event D.C.7.2. Workshops for policy makers, municipalities and regional representatives)

Made by REGEA on 28/11/2019

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## **A) DATES AND GENERAL INFORMATION**

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In the wake of the energy transition an increased focus is concentrating on the yet unexploited energy-saving potential of the solid waste and wastewater sector. Wastewater treatment plants (WWTPs) are large consumers of energy and make key contributions to the carbon footprint of municipalities and urban governments. The project's main objective is to drive up energy efficiency and renewable energy production in solid waste and wastewater facilities. It focuses on solutions that integrate organic waste and wastewater streams and the development of new infrastructures. Where beneficial, bio-waste will be used to enrich the organic content of sewage sludge, helping to elevate outputs of heat and electricity in a process called co-digestion.

Training planned through activity A.T4.3 (D.T4.3.2.) was held on 27<sup>th</sup> November, 2019 in Energy Center Bračak, Krapina-Zagorje County. It was also combined with activity D.C.7.2. Workshops for policy makers, municipalities and regional representatives.

## **B) LEARNING METHODOLOGY & LESSONS ORGANIZATION**

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The training was opportunity to exchange information, opinions and experiences between those who have developed tools and potential users of tool. For this reason, the methodology developed aimed to foster dialogue between trainers and trainees. Particular attention was given to practical aspects of the tool developed, the last version of tool was presented, who is yet not fully functional.

Although a two-day course is planned in Application Form, the project partners decided to hold a one-day training so that participants would not have to leave their jobs for more than one day, what made them easier to attend the training.

The scope of training is as follows:

- a. General overview of the REEF 2W project with its main objectives
- b. Presentation of the developed methodology related to the selected pilot site, which includes 4 steps: i) assessment of technical solutions for new plants; ii) analysis of the selected location; iii) an overview of possible sources of funding; iv) implementation of ISA (integrated sustainability assessment)
- c. Tool presentation:
  - Tool for verifying the reliability of REEF 2W solutions in terms of energy efficiency and renewable energy production. The tool will be presented in paper and electronic versions and will be used for data entry and analysis of the benefits of solutions based on energy efficiency and renewable energy.

- Urban location suitability tool for REEF 2W plants (software tool No.2). The tool considers criteria related to urban site compatibility checking, environmental and social aspects, as well as a set of data needed to implement REEF 2W solutions (road conditions, environmental restrictions, local legislative framework, energy grids, direct energy use near the plant...)
- d. Discussion of trainers and trainees regarding the presentations, answering questions, sharing experiences, reviewing and announcing next steps

**Program and timetable:**

<b>Time:</b>	<b>Theme:</b>	<b>Speakers/Contributors/Trainers</b>
09:30-10:00	Participants gathering	
10:00-10:10	Welcome words	Ivana Benković, REGEA
10:10-10:30	Project REEF2W	Marko Zlonoga, REGEA
10:30-11:00	Feasibility study for pilot Zabok	Ph.D. Neven Voća, University of Zagreb, Faculty of Agriculture  Bojan Ribić, Zagrebački holding Ltd.
11:00-11:10	Coffee break	
11:10-11:40	Tool for measurement of EE&RES improvements and urban compatibility assessment for the new plants	Miljenko Jagarčec, REGEA
11:40-12:00	Questions, comments, discussion, announcement of next steps in project REEF 2W, closing words	
12:00-13:00	Lunch	

**C) LIST OF PARTICIPANTS**

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Present on training were 19 people: 14 Trainees from 1 utility company, 1 county, 3 cities, 7 municipalities, 3 trainers and 2 speakers.

	<b>Name</b>	<b>Role</b>	<b>City / Municipality / Organization</b>
1	Renato Černjević	Trainee	Municipality of Bedekovčina
2	Monika Švenda	Trainee	City of Zlatar
3	Davor Bezjak	Trainee	Municipality of Sveti Križ Začretje
4	Kruno Čačko	Trainee	City of Zabok
5	Milan Kebet	Trainee	City of Donja Stubica
6	Zlatko Topolovec	Trainee	Municipality of Marija Bistrica
7	Tihana Benčić	Trainee	Municipality of Zlatar Bistrica
8	Renata Bartolin	Trainee	Municipality of Gornja Stubica
9	Kristijan Oremuš	Trainee	Municipality of Stubičke Toplice
10	Mladenka Mikulec	Trainee	Municipality of Mače
11	Mario Mihovilić	Trainee	Zagorski vodovod Ltd.
12	Stjepan Špoljar	Trainee	Zagorski vodovod Ltd.
13	Stjepan Franc	Trainee	Zagorski vodovod Ltd.
14	Stjepan Bručić	Trainee	Krapina-Zagorje County
15	Neven Voća	Speaker	Faculty of Agriculture, University of Zagreb
16	Bojan Ribić	Trainer	Zagrebački holding Ltd.
17	Ivana Benković	Speaker	REGEA
18	Miljenko Jagarčec	Trainer	REGEA
19	Marko Zlonoga	Trainer	REGEA

#### **D) SUMMARY**

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Training went according to schedule. After welcoming words, trainers and speakers made their presentations and after them actively involved trainees in communication, knowledge sharing and discussion on all topics regarding REEF 2W.

Particular attention was given to practical aspects of the tool developed, the last version of tool was presented. After the training participants received all presentations in .pdf format and it was agreed that when final fully functional version of tool is ready, it will be shared with trainees, especially with utility company who is partner on pilot as well with other interested utility companies.

## E) PHOTO DOCUMENTATION

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