

D.T2.2.1 FIVE TRAINING COURSES IN THE 5 REGIONS FOR UTILITIES PARTNERS AND STAKEHOLDERS ON PILOT ACTIVITIES

CZECH REPUBLIC 19-20/10/2018



Training courses in each of five participating countries are the main goal of this deliverable is (D.T2.2.1) with the aim to capture the most feedback to presented materials. The document will be composed of an agenda and a description of the training's key parts; a participant list complemented by a group picture; and a list of the materials provided to the participants. The trainings have the main purpose to present and interactively test the Integrated Sustainability Assessment (ISA) tool that can be used to systematically assess technical innovations for energy optimisation of wastewater treatment plants (WWTPs) on different sustainability criteria. In this way it helps potential users such as utility operators or decision-makers in municipalities to determine whether and how the implementation of measures to increase energy efficiency and renewable energy production are useful. This is done by making predictions about potentials to improve energy efficiency, the technical feasibility or the environmental sustainability of the REEF2W solutions.

2. Agenda

Čas	Program
9:00	Představení projektu REEF 2W
9:30	Představení pilotního zařízení pro výrobu biomethane realizovaného v Praze
10:30	Prezentace „TOOLS“ nástroje k hodnocení
11:30	Přestávka, občerstvení
12:00	Praktická ukázka využití „TOOLS“
12:30	Diskuse, náměty na zlepšení, zpětná vazba
14:00	Neformální diskuse během oběda

Tab. 1: Agenda of the training courses

The Czech project partners, UCT Prague and Veolia, carried out the training course successfully. We organized two separate courses one mainly focused for technical staff of partner utility (20.11) and second one for other interested parties (19.11).

Training start with presentation about the REEF 2W project and its goals and ideas and the introduction of each pilot case in general. Then the presentation went smoothly into the detailed description of the Prague pilot case and a description of how the tool itself works together with ISA approach.



Fig. 1: Presentation of prof. Jeníček about REEF2W ideas and goals at training for operators of WWTP (20.11.)

This was done through presenting snapshots of its key components, allowing the participants step by step to understand the methodology. Before the coffee break, general questions (e.g. first impressions on the REEF2W approach and the selected solutions) were asked. In the last and most important part values (obtained from a PVK Prague) were entered into the first version of the REEF2W decision support tool. It was decided spontaneously to have questions and remarks on the go, which proved useful to receive specific feedback.

Commento [1]: Can you add titles to the pictures, perhaps describing what happening in the picture, who is talking etc.? Also, it would be good to mention if the picture was taken at the first or second part of the training?



Fig. 2: Presentation of Ing. Ondřej Beneš, Ph.D., MBA, LL.M. about Prague pilot case (20.11)



Fig. 3: Zdeněk Varga Introducing the TOOL and its part (20.11)

3. Participant list



Presence list/Prezenční listina

Date/Datum jednání: 20.11.2018

Place/Místo jednání: ÚČOV Praha, zasedací místnost v AB

Subject/Důvod jednání: INTEGRATED SUSTAINABILITY ASSESSMENT (ISA)
Presentation of a tool for a holistic evaluation of energy optimization solutions in wastewater treatment plants in the Reef2Water project.
Biomethane upgrading subproject presentation

Present/Přítomní			
Organisation/Organizace	Name/Jméno a příjmení	Signature/Podpis	Tel. / fax / email
PVK	RETE JECH		220 414 215
PVK	Milan Lány		725 831 106
3ioprofit s.r.o.	ROSENBERG TOMÁŠ		729 779 068
PVK	Dvořák Tomáš		737 431 128
PVK	CHARVÁT PAVEL		220 419 331
PVK	CHARVÁTOVÁ LENKA		702 075 630
PVK	MARKETA VÁKOVÁ		724 481 075
PVK	ONDŘEK HRUNÝ		603 448 724
PVK	JIŘÍ MACHOŮEK		220 415 322
PVK	JAROSLAV ŠKVAŘIL		702 013 457
PVK	TOMÁŠ KUŠEK		729 693 870
VEOLIA	CHARVÁT DENIS		602 449 151

Fig. 4: Participant list from training for PVK company (20.11)



Pavel Jenicek, Ondrej Benes and Zdenek Varga (UCT Prague, Veolia) were facilitating the training. Participants in the training were from the operator of the WWTP in Prague - PVK company.

4. Training Materials

Type of material	Description
PowerPoint on REEF 2W project	Introduces the project, its objectives, potential benefits, and country partners as well as the different pilot sites and the specific fictive technological upgrades and their differences among one another were presented.
PowerPoint on ISA-tool	Introduces the tool by showing snapshots of its key components of the excel version, allowing the participants to understand the methodology step by step.
Prototype of ISA-tool (Excel)	Used to show structure and content of ISA-tool and to fill in values together with participants in order to gain feedback on strengths and weaknesses.
Long version of guideline for the ISA-tool (DT.5.1)	Presents the ISA-tool in detail as well as the technological upgrades being undertaken during REEF 2W and benefits expected to arise from their implementation.
Training Curricula (DT1.5.5) in Czech	Summarises the general approach taken in REEF 2W to conduct the trainings and provides information on potential participants, trainers, and the methodology.

Tab. 2: List of materials used during the training courses

5. Second training course for stakeholders

The training course for the stakeholders was organized separately from first one on the 19.November 2018. The training was separated from the second one due to the time schedules of participants.

The training agenda was identical and previous part described. The only difference was that the participants of the training had different professional backgrounds. They included business managers, environmental inspector, designer of environmental facilities, and the manager of a water utility association).

However, in the second part of the training more time was dedicated to discuss the general application of the tools and REEF technologies to obtain more a wider opinion from different positions in society.

Commento [2]: So is this the participant list for the first training and the one further down in the document for the second training?

Commento [3]: It would be interesting to mention why you separated the training

Commento [4]: I am not sure what you mean? Do you mean an environmental

Commento [5]: Environmental engineer?

Commento [6]: Environmental inspector is correct
<http://www.cizp.cz/Who-we-are>





First training course REEF 2W- Participant List- Prague 19.11.2018

Number	Name	Surname	Company	Country	e-mail address	Signature
1	MIRASLAV	KOS	SVP CZ	CZ	kos@svpcz.cz	
2	EVĚ	KALINOVÁ	KIP	CZ	eva.kalinova@svpcz.cz	
3	FILIP	WANNER	SOVAK CZ	CZ	WANNER@SOVAK.CZ	
4	LORENA	VARSA		CZ	VARSA@SVPCZ.CZ	
5	JAROSLAV	BONEČ	VEOLIA	CZ	BONEC@VEOLIA.CZ	
6	TOMÁŠ	ROSENGERG	BIOREFIT s.r.o.	CZ	ROSENGERG@BIOREFIT.CZ	
7	DANA	POKORNOVÁ	Věchet Brno	CZ	Pokornova@vsecht.cz	
8	MICHAL	DOHANYOS	Věchet Brno	CZ	dohanyos@vsecht.cz	
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Fig. 5: Participant list from training for stakeholders (19.11)



Fig. 6: Presentation of the TOOL for stakeholders (19.11)



Fig. 7: Collective picture of participants of stakeholder training (19.11)