

D.T2.21 FIVE TRAINING COURSES IN THE 5 REGIONS FOR UTILITIES PARTNERS AND STAKEHOLDERS ON PILOT ACTIVITIES

GERMANY

17/12/2018

1. Executive Summary

The main goal of this deliverable is to capture the most relevant information about the first set of trainings (D.T2.2.1) carried out in all five of the pilot countries in 2018. 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

Zeit	Beschreibung
10:00	Vortrag über das REEF 2W-Projekt
10:20	Kurze Präsentation über die Struktur des REEF 2W-Tools
10:50	Kaffee-Pause
11:00	REEF 2W Tool Vorstellung und Anwendung
11:30	Feedback, Diskussion
12:00	Gemeinsames Mittagessen

The training was comprised of four key parts. André Müller from adelphi moderated the training while the colleagues from Kompetenzzentrum Wasser Berlin gGmbH guided the participants through the tool. The first part of the training introduced the different participants and gave a short overview on the REEF2W project. Here, the different pilot sites and the specific technological upgrades and their differences

among one another were presented. Subsequently, the training directly proceeded to introduce the tool.



Figure 1: Christian Loderer from KWB introducing the project REEF2W

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 Berlin WWTP) 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 concrete feedback.

3. Participant and speakers list

Figure 2: Participant list with signatures

First training course REEF 2W- Participant List- Berlin 22.10.2018						
Number	Name	Surname	Company	Country	e mail address	Signature
1	André	Müller	adelphi	Germany		
2	Malke	März	adelphi	Germany		
3	Christian	Loderer	KWB	Germany		
4	Anne	Kleyböcker	KWB	Germany		
5	René	Griese	KWB	Germany		
6	Mehdi	Habibi	KWB	Germany		
7	Albert	Dietrich	Berliner Stadtwerke	Germany		
8	Christopher	Dreke	BWB (FE)	Germany		
9	Bernd	Heinzmann	BWB (FE)	Germany		
10	Marin	Garz	BWB (AE)	Germany		
11	Susi	Burczyk	BWB (AE)	Germany		
12	Andreas	Lengemann	BWB (AE)	Germany		
13	Magdalena	Gierke	BWB (AE)			
14	Nathan	Obermaier	UBA	Germany		
15	Jan	Wiedemawski	BWB (FE)	Germany		
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Mehdi Habibi, René Griese, Christian Loderer (Kompetenzzentrum Wasser Berlin gGmbH) and André Müller (adelphi) were facilitating the training. Participants in the training were seven in total while three participants are being introduced to tool and asked for feedback in separate meeting at the Waßmannsdorf WWTP.

Figure 3: Speakers list

First training course REEF 2W- Speaker List- Berlin 22.10.2018						
Number	Name	Surname	Company	Country	e mail address	Signature
1	Christian	Loderer	KWB	Germany		
2	Mehdi	Habibi	KWB	Germany		
3	René	Griese	KWB	Germany		
4	André	Müller	Adelphi	Germany		
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4. Training Materials

Table 1: Materials used at the Berlin training.

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.
Abstract of guideline for the ISA-tool (DT.5.1)	Produced by adelphi and Kompetenzzentrum Wasser Berlin specifically for the training (in English and German). It summarizes the long version, yet including more graphical elements.
Training Curricula (DT1.5.5) in German	Summarises the general approach taken in REEF 2W to conduct the trainings and provides information on potential participants, trainers, and the methodology.

