



D.T4.1.2.

ANALYSIS OF EXPECTATIONS

in term of training and direct assistance

AUSTRIA

Made by BOKU



DISCLAIMER

D.T4.1.2 (Analysis of expectations) - *“5 analysis (I, A, D, CZ, HR) will be conducted on the match between the information and knowledge provided by the training and expectations of public administrators in order to make the training activities more attractive.”*

The presented deliverable D.T4.1.2 is strongly related to deliverables

- D.C.7.3 (Personal meetings) - *“50 Individual meetings will be organized by all PPs with multiutility/public authority in order to prepare the report of DT 4.1.2 and analyse the expectations stakeholder willing to participate in training activities (AT4.1)”*

and to

- D.T4.1.1 (List of municipalities/regions) - *“50 municipalities and regions (PAs), interested in exploring the opportunity, and later the feasibility, for implementing REEF 2W plants in their territory, are identified by WP leader according to pre-set communication activities”.*

INTRODUCTION

According to the project proposal, the primary aim of this deliverable is to get feedback from public administrators about their expectations regarding future REEF 2W training activities in Austria. However, to take most benefit out of the related stakeholder activities the Austrian project partners decided not only to focus on expectations concerning future trainings but also to identify potential interest in additional REEF 2W case studies (D.T.4.3.3, 4.3.4 and 4.3.5). Furthermore, all stakeholder activities serve the superior goal to increase knowledge/raise awareness concerning energetic use of wastewater in general and the related REEF 2W approach in specific.

METHODOLOGY - COMMUNICATION AND COLLECTION OF INFORMATION

In Austria, the following communication activities/possibilities to meet and discuss with interested stakeholders (wastewater utilities, municipalities, energy managers, etc.) could be taken so far:

1. Workshop for policy makers, municipalities and regional representatives (D.C.7.2/D.T4.3.2):
 - During the event, a list of stakeholders interested in the topic of energetic use of wastewater and REEF 2W was collected. This pre-defined list asked for the name and affiliation of stakeholders as well as their expectations/interests concerning the provision of additional information related to the topic as well as in carrying out a REEF 2W case study.
 - Furthermore, REEF 2W project representatives took the opportunity for (informal) talks with different attendees during the event to learn something about their general perceptions concerning the issue.

2. Workshop for public utilities and energy agencies (D.C.7.1):
 - Following a presentation on the energetic use of wastewater in the context of the REEF 2W approach, REEF 2W project representatives took the opportunity for (informal) talks with different attendees to learn something about their general perceptions concerning the issue and to promote additional REEF 2W case studies.
 - After the event a short REEF 2W communication was included in the periodic newsletter of the Austrian climate and energy model regions inviting stakeholders to declare their interest in a REEF 2W case study via email addressed to the Austrian REEF 2W partners.

3. Individual meetings with interested wastewater utilities/municipalities (primarily focusing on (D.T.4.3.3, 4.3.4 and 4.3.5): Due to ongoing dissemination activities carried out on national level, the Austrian REEF 2W project representatives were also contacted due to stakeholders' personal initiative. In these cases, the Austrian REEF 2W project representatives carried out site visits and preliminary talks with local stakeholders. In the following data was collected mainly via email.

RESULTS - INTERESTED STAKEHOLDERS

The results of the described communication and information collection activities can be summarised as follows:

1. Workshop for policy makers, municipalities and regional representatives (D.C.7.2/D.T4.3.2):
The list of interest contains the following stakeholders (selection):
 - 1 representative of the Austrian Federal Ministry for Sustainability and Tourism (BMNT)
 - 6 representatives of different Austrian federal provinces/regions (Vienna, Lower Austria, Styria, and Carinthia)
 - 1 representative of the Austrian Water and Waste Association (ÖWAV)
 - 1 representative of a wastewater utility (RHV Schwanenstadt u. U., RHV Lambach)
 - 8 company representatives
 - 10 representatives of engineering consultancies

The survey revealed, that a majority of the stakeholders is not only interested in the provision of additional information but also in the possibilities of carrying out REEF 2W case/feasibility studies.

2. Workshop for public utilities and energy agencies (D.C.7.1): The following wastewater utilities/municipalities declared their interest in a REEF 2W case study and already submitted data for pre-assessment (compare D.T4.3.3):
 - Municipality of Vösendorf: Wastewater treatment plant (WWTP) with a design capacity of 20.000 population equivalents (PE), interested in the construction of a digestion tower, wastewater heat recovery and photovoltaics for WWTP internal and external (heating of city hall) use of energy. Site visits and pre-assessment have already started.
 - Municipal wastewater association of Wolkersdorf/Pillichsdorf/Großengersdorf: WWTP 35.000 PE, 3 municipalities. Data collection and pre-assessment have already been started.
 - Wastewater association Unteres Rodeltal/KEM Region Urfahr West: In-sewer wastewater heat recovery in a pumping station at Ottensheim to supply a nearby sport training center. Collection of data and pre-assessment have already started.

3. Individual meetings with interested wastewater utilities/municipalities: The following wastewater utilities/municipalities independently contacted Austrian REEF 2W representatives (BOKU) showing interest in a feasibility study (compare D.T4.3.3):
 - WV Mürzverband/Municipality of Kapfenberg: Site visits were carried out (by BOKU and AEA). Data collection and pre-assessment have already started.
 - RHV Mühltal-Böhmerwald/municipality of Rohrbach: A presentation on energetic use of wastewater and the REEF 2W approach was given on-site (by BOKU), data collection and pre-assessment have already started.



Picture: REEF 2W representatives (BOKU, AEA) meet representatives of WV Mürzverband at Kapfenberg wastewater treatment plant (photo: WV Mürzverband)

CONCLUSIONS -

EXPECTATIONS OF STAKEHOLDERS

Communication with and collection of information from stakeholders can be summarised as follows:

- Many stakeholders have a general interest in the different possibilities of energetic use of wastewater beyond common practice (wastewater treatment plant internal use of digester gas based electricity and heat).
- Most of the interested stakeholders would especially appreciate more theoretical and practical information on wastewater heat recovery (not only at wastewater treatment plants but also in sewer systems) and the evaluation of spatial energy demand (REEF 2W urban compatibility assessment)
- Furthermore, several wastewater utilities/municipalities are not only interested in the provision of additional information but in carrying out a related case/feasibility study in their very own premises (done by the Austrian REEF 2W representatives).
- A great demand on individual trainings (e. g. concerning an independent application of the REEF 2W tool or the integrated sustainability analysis procedure) could not be registered so far. Consequently, there was no relevant feedback on the stakeholders very own expectations inn regard to REEF 2W training courses.
- Concludingly, the Austrian REEF 2W representatives believe, that the targeted provision of general information on energetic use of wastewater and the REEF 2W approach to stakeholders from various disciplines (wastewater management, energy management, public authorities, engineering offices etc.) as well as the offer to carry out feasibility studies (by national REEF 2W representatives/trainers/advisors - D.T.4.2.2 and 4.2.3) is the most appropriate activity for the moment. Depending on follow-up stakeholders' feedback, the possibilities of and need for additional, target-group tailored trainings shall be evaluated on national levels by the REEF 2W representatives/trainers/advisors.