

OT2.2 REGIONAL STRATEGIES - PART CZECH REPUBLIC

Project Title: REEF 2W—Increased renewable energy and energy efficiency by integrating, combining and empowering urban wastewater and organic waste management systems

WP Lead: adelphi

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Output factsheet: Strategies and action plans

Project index number and acronym	REEF 2W
Lead partner	adelphi
Output number and title	OT2.2 Regional Strategies - part Czech Republic
Responsible partner (PP name and number)	UCT and Veolia
Project website	https://www.interreg-central.eu/Content.Node/REEF-2W.html
Delivery date	15.01.2020

Summary description of the strategy/action plan (developed and/or implemented)

This regional strategy for the Czech Republic reflects the local specifics in the field of renewable energy production and targets ways how to quickly improve energy efficiency in urban wastewater treatment (at the level of the public wastewater treatment plants (WWTPs)) and organic waste management.

A set of actions is presented in the suggested regional strategy that takes in account all the experiences gathered within the preparation and start-up of this project. The major part of these particular experiences leads to a reformulation of the original assumptions and to an improved validity and probability of the realization of measures in the field of energy self-sufficiency.

This major objective is, however, still far away from being completed, thus the major part of the strategy aims to help the competent authorities (mainly the department of waste at Ministry of Environment, Energy Regulation Office and Ministry of Industry) to support both promotion and funding of the projects that have served as REEF 2W demonstration projects. This can only be done by active promotion by both UCT Prague and VEOLIA ČESKÁ REPUBLIKA.

NUTS region(s) concerned by the strategy/action plan (relevant NUTS level)

CZ-NUTS, NUTS 0 - Czech Republic

Expected impact and benefits of the strategy/action plan for the concerned territories and target groups

The Czech Republic is positioned in the center of continental Europe and faces serious impacts of global climate change, including among others rapid depletion of water resources, thus leading to problems in energy production, which is heavily reliant upon water resources.

The major benefit of the material is linked to potential utilization of the findings and tools generated within this project. The discussions with competent authorities revealed that authorities are eager to work with simple or rather simplified tools that enable them to set-up priorities for funding.

Sustainability of the developed or implemented strategy/action plan and its transferability to other territories and stakeholders

The regional strategy promotes the "achievement of sustainable consumption and production of energy" and "creation of sustainable transport". The pilot of biomethane-to-transport unit at Prague WWTP is exactly in between these two conceptual objectives. The development and success of this strategy generally depends on the involvement of the regional authority and the good teamwork among the project partners. The interactions and success of transferring the pilot solutions shall be fostered by an intensive run of seminars/trainings and by using an excel tool developed.

The developed strategy vision is sustainable because it is based on a clear dissemination of the principles of energy-positive concepts at the level of water networks through the SOVAK (professional association of wastewater treatment plant operators in Czech Republic) platform and the promotion of the Ministry of the Environment by including a benchmarking tool. Therefore the developed strategy is only partly transferable to other countries.

Lessons learned from the development/implementation process of the strategy/action plan and added value of transnational cooperation

There are many challenges that both the water utilities and public authorities are facing in the process of implementation of REEF 2W solutions. Most likely, there shall be a problematic access to financing with relatively long payback time for individual solutions (as it was identified in the case of Prague pilot). The presented approach, however, tackles these issues by many concrete steps.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

D.T2.5.1 Regional Strategy Czech Republic