AQUARES project – report from activity A3.3 - Site visit

Summary

Date: 22nd of September 2020

Form: Online by ZOOM application

Language of the meeting: English

Participants: 44

Link for the video record: https://youtu.be/AtZuPqTw3ec

Report

The site visit presented technologies of water treatment, recovery and awareness in the Czech Republic. There has been presented two best practices – Botanica K and Hydrogopark Pátek.

The site visit content

The site visit was planned originally in physical form in the fourth semester, but the pandemic situation and virus COVID19 stopped most of the events, not just in the Czech Republic. Many partners of AQUARES project had restriction of traveling, organizing meetings etc. We agreed with the lead partner, Murcia, on the organization of the site visit in online regime to achieve this activity. It was also recommended by the Join Secretariat of program Interreg Europe.

The best practices that was showed on the site visit were based on interest of partners based on final report A3.3 Site visits Exchange to match make desired water reuse initiatives with appropriate technologies and business models developed by partner project AQUARES Murcia. The following partners shown interest: SSW, Lodzkie, FLA, Trenbje and Baltic Coast. In online version of the meeting we invited all AQUARES partners to participate with their stakeholders, because the meeting was available to anyone from anywhere. We see in RRA PK the online version of this kind as a great added value to connect people through online meetings. In online version participated 9 partners from all 10 partners that we see the impact of the online version was much bigger versus the physical form.

RRA PK constructed the online meeting from 9:30 till 13:00 – see in the program of the meeting Online program. The online meeting was organized by the ZOOM application. This application is advantageous in many areas. ZOOM allows to connect any amount of the people on any time. The RRA PK recorded the meeting with the aim to achieve wider range of stakeholders. Anyone in anytime can watch the record and get information about the best practices from the Czech Republic.

Online program

Online program was organized in the same style as was planned for physical meeting. The partners could listen to the presentations and instead of the “physical visit” they could watch the video, that lecturers or RRA PK have recorded before the meeting. AQUARES partners and stakeholders on the beginning of the meeting also introduced themselves and spoke about their expectations from the lectures and introduced places. There has been window for the discussion after each presentation. The

discussion ran through the chat and moderator from the RRA PK red the questions and try to approximate the question and its meaning.

Online program

9:20 – 9:30	**Connection** *connection window for all participants*
9:30 – 10:00	**Introduction** *opening speech – project AQUARES and program of the online study visit presenting by RRA PK Lucie Balcarová* *introduction of all participants – AQUARES partners and stakeholders*
10:00 - 11:00	**Botanica K** *grey water system, outdoor system, discussion* *presenting by SKANSKA green business manager Eva Neudertová and senior manager and project developer Petr Dušta, Zdeněk Petrů – director of the company Koncept Ekotech*
11:00 – 11:20	**Break** *short coffee at your office*
11:20 – 12:20	**Hydrogeopark Pátek** *education centre of Hydrogeopark* *presenting by manager Jiří Mikeš*
12:20 – 12:40	**Conclusion** *all partners – discussion, collection of the feedback, the end of the meeting*

Practices that has been seen

Botanica K

The practice describes the system of grey waste water management in apartment building. SKANSKA company is thinking about future and ways how to use water more efficiently in residential houses area. The company is the first who developed the residential house, where drinking water was substituted by grey waste water and they used the system for the place, where it made the most economic and ecologic sense – for flushing toilets. The project got high rating from environmental certification BREEAM and this indicates a high value of the Botanica K. The system of grey waste water management – purified bathroom water (mostly from wash basins, bathtubs and showers) is reused for flushing toilets. If there is not enough grey water from these sources, the system will supplement it with captured rain or drinking water.

Potential for learning or transfer

This technology and system can be adapted to all countries. Botanica K helps to the residents to reduce the consumption of drinkable water. SKANSKA company is ready to share knowledge that they got as the first company in the Czech Republic in the frame in the approval process (project, hygienic and construction). Lecturers offered to share know how with the supplier Mr. Zdeněk Petrů, director from the company “Koncept Ekotech” who supplied all technology and helped bring the project to final version with system and products.

Hydrogeopark Pátek

Hydrogeopark centrum Pátek was developed to reclaim and restore contaminated groundwater, and to educate, to research and to inform students, professionals and public. There was a pollution of the soil environment and groundwater by chlorinate hydrocarbon at this locality. The site underwent several stages of surveys, risk analysis and subsequently decontamination work. The former contaminated site, which by its existence threatened not only groundwater but also surface water and was located near mineral water sources, has been successfully undergoing remediation works in recent years.

Potential learning or transfer

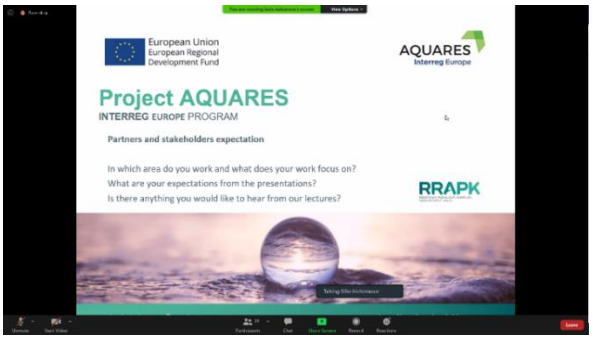
The developed awareness centrum for all kinds of visitors – professionals and non-professionals. It was challenge, how to treat the groundwater from pollutants, how to connect people with the project and how to develop centrum for testing applications, realize research, development, education etc. The lecturers bring closer the plans with Hydrogeopark, its impact for the visitors and education.

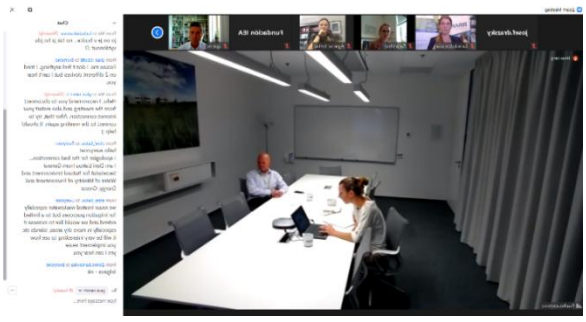
Conclusion

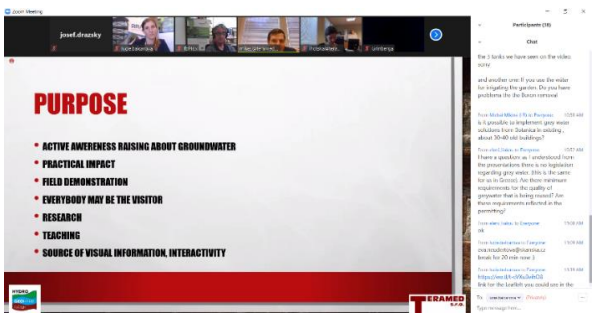
The site visit reflected good practice in the Czech Republic. The Botanica K and Hydrogeopark Pátek are examples of good practice that AQUARES partners can apply in regions. As was mentioned in online meeting, lecturers are open to share their knowledge in partners projects and ready to help with project or realization. Lecturers are also very open to be informed about the process in partners region and about relevant knowledge about water reuse technologies.

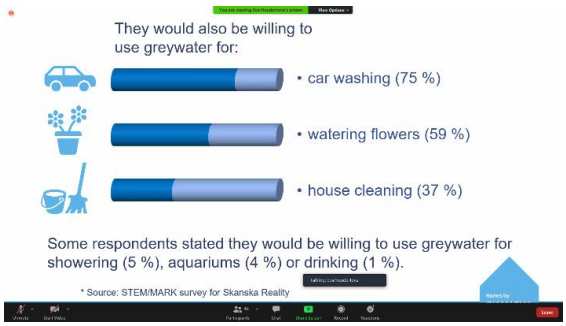
Pictures

Printscreens from the meeting.









AQUARES
Interreg Europe

European Union
European Regional
Development Fund

List of attendance

organize online by application ZOOM on 22nd of September 2020

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1	Trebnje	Sara Uhan	Municipality of Trebnje	sara.uhan@trebnje.si	online
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4	Trebnje	Vane Urh	Regional development agency Novo mesto	vane.urh@rc-nm.si	online
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9	RRA PK	Petr Dušta	Skanska reality – senior manager and project developer – Lecturer	xx	online
10	RRA PK	Zdeněk Petrů	Company Koncept Ekotech – owner - Lecturer	xx	online
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REGIONÁLNÍ ROZVOJOVÁ AGENTURA PARDUBICKÉHO KRAJE

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