

A3.4 Study visit to transfer experiences on AQUARES success stories

The online study visit organized by partner The Regional and
Development Agency of the Pardubice region
on 25th of September 2020

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Study visit

The study visit by “Application form” is under the activity A3.4 “Study visit to transfer experience on water reuse implementation and monitoring issues”. The Regional and Development Agency of the Pardubice region (RRA PK) organize the Study visit in the Czech Republic in the Pardubice region in the cities of Lanškroun, Polička and Hlinsko.

Who is the participation in the study visit intended for?

It is dedicated to all partners and their stakeholders interested in the places of visit which will be present.

What is objective of the study visit?

The main objective is to transfer experience on water reuse implementation and monitoring requires outlining key themes of study visits from different points of views – technological, economical, ecological, social and innovation.

Study visit content

The study visit is organized by partner The Regional and Development Agency of the Pardubice Region in the Czech Republic in Pardubice region. The aim is to familiarize the participants with the region specificity about water reuse and treatment. Study visit is to transfer experience on water reuse implementation and monitoring issues. Study visit is organized online.

Why is study visit organized online?

The situation in Europe, not just in the Czech Republic, looks stable, but opposite is true. Many partners of AQUARES project have restrictions of traveling, organizing meetings etc. We want to follow the proposal of Joint secretariat (JS) of Interreg Europe about how to act to reduce the impact for COVID19 to our project. The JS proposed to do as much activities online as we can and to do not cancel or postpone activities, if it is possible to organize them online. We see the online version as the safest way how to organize the visit and bring it closer to all partners.

Why is study visit important?

The study visit is good for partners and stakeholders to transfer experience on water reuse implementation and monitoring from different points of views. The AQUARES project is about sharing knowledge, know-how and experiences in water reuse. All partners should participate on the online study visit in the Pardubice region.

Study visit program

The best practice that will be shown on the site visit is based on interest of partners. On study visit will be seen: “The Lanškroun city”, “Dry polder Žichlínek”, “Hanging garden – Polička” and “Biotop Hlinsko”.

The study visit will be online and will be mediated by the ZOOM application. The link for the ZOOM you can find bellow and is also included in annex A “Online study visit program”, that is dedicated to your stakeholders.

The link for the ZOOM: <https://us02web.zoom.us/j/83481084999>

ONLINE PROGRAM

9:30 – 9:40	Connection <i>connection window for all participants</i>
9:40 – 10:10	Introduction <i>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</i>
10:10 – 10:30	Lanškroun city presentation <i>green roof, infiltration areas, flood protection measures presenting by mayor of the Lanškroun city</i>
10:30 – 10:50	Dry polder Žichlínek <i>flood protection presenting by mayor of the Lanškroun city</i>
10:50 – 11:10	Break <i>short coffee break at your office</i>
11:10 – 11:30	Drop irrigation in Polička <i>hanging garden on the library of the Polička city presenting by library’s director Jan Julk</i>
11:30 - 11:50	Biotop Hlinsko <i>root water recycling systems in Biotop presenting by mayor of the Hlinsko city</i>
11:50 – 12:20	Conclusion <i>all partners - discussion, collection of the feedback, the end of the meeting</i>

ZOOM application instruction

To participate online you must have laptop, computer, tablet, phone or another device and access to internet and log in via s link above.

Please log in to the application about 5 minutes before the start of the meeting. For better readiness, please test the internet connection, the operation of camera and the microphone. Make sure, that you have new version of web browser on your device. We recommend using headphones for better hearing. We recommend to connect from place without other noises.

In case of any questions please contact us by email on lucie.balcarova@rrapk.cz.

The practices to be seen

Lanškroun city

Lanškroun city is innovative city in the Pardubice region. There will be seen green roof on the new house of culture, renovation of the streets with water seepage, flooding system in the city and more. The first part of the day will be presented by the mayor of the city, Mr. Radim Vetchý.

Potential for learning of transfer

Potential green roof utilization, green public procurement and its obstacles, system and knowledge of flooding system in the cities and much more.

Web page

<https://www.lanskroun.eu/>



Picture no. 1: Lanškroun city

Source: <http://www.lanskrounsko.info/rozhovory/vyvenil-jsem-dynamiku-za-noblesu>

Dry polder Žichlínek

Dry polder, dry protective or retention tank is made for flood protection called Žichlínek. It is situated near Lanškroun city and it presents flood protection for Lanškroun and other surrounding small villages around. Whole polder area has importance in landscaping, ecological and free time. In the dry polder meandres the river Moravská Sázava and along are wetlands and permanent bodies of water on the bottom. Much more about the technological part and utilization will be presented by the mayor of the city, Mr. Radim Vetchý.

Potential for learning of transfer

Potential flood areas can be saved with dry Polders that are not expensive to construct. To save the cities, agriculture areas, roads and much more.

Web page

https://cs.wikipedia.org/wiki/Poldr_%C5%BDichl%C3%ADnek

<http://www.vcpcso.cz/poldr-zichlinek/>



Picture no. 2: Dry polder Žichlínek

source: www.wikipedia.org



Picture no. 3: Dry polder Žichlínek

source: <http://www.vcpsco.cz/poldr-zichlinek/>

“Hanging garden” - drop irrigation on library in Polička

The Center for Technical Education finished the project in the Municipal Library in the Polička city. This center will be fully used for schools and the public in September. Garden is 4 m high and almost 12 m long. There are 800 pockets with substrate with 1600 plants. Irrigation is controlled by the IT system.

Potential for learning of transfer

The center received financial support from the EU for the development of nature's interests with a close connection to artificial Intelligence. The hanging garden is the part of this center. The potential for learning of transfer of the hanging garden in Polička represents a synthesis of garden art and technology of the third millennium

Web page

<http://www.knihovna.policka.org/>



Picture no. 4: The drop irrigation system in Polička

Source: <https://www.facebook.com/knihovnapolicka/photos/a.347073732963/10158205117697964/>

Biotop Hlinsko

Nature water swimming pool was constructed instead of the old derelict concrete pool in the Hlinsko city. The Biotope pools are now “IN” and they have relatively low purchase costs, inexpensive operation and friendly to both nature and health-sensitive vacationers. The purification process is a balanced natural system and an advantage over classic “chemical” swimming pools is a fact that the habitat is suitable for allergy sufferers. It uses the biological functions of plants for natural water purification without adding chemicals and disinfectants. The biotope significantly affects its surroundings microclimate. In general, the water in the biotope due to “work” plants is warmer by two to three degrees that it would be under the same conditions in a classic swimming pool.

Potential for learning transfer

The potential and transfer of good practice lies in the reconstruction of a dilapidated place. Well-used financial support for the benefit of the population with elements of the circular economy, especially in a gentle way of water purification using the root method.



Picture no. 5: The biotope Hlinsko

Source: www.chrudimskydenik.cz



Picture no. 6: Root method of water purification

source: www.chrudimskydenik.cz

Web page:

<http://www.hlinsko.cz/>

Conclusion

The study visit shows good practice on water reuse implementation and monitoring from different points of views and from different areas – technological, economical, ecological, social and innovation. The best practices from the Pardubice region can partners apply in their regions. The RRA PK and organizations are open to share the best practices. The RRA PK and organizations from Czech Republic would like to be informed about the process in partners region and about the implementation progress.

Notes

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Annex A - Online study visit program for stakeholders

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