

## O2 - Best Practice Data Sheet

People and Water NGO, Slovakia

e-mail : [danka.kravcikova@gmail.com](mailto:danka.kravcikova@gmail.com), phone:00421 908 322 135, [www.ludiaavoda.sk](http://www.ludiaavoda.sk)

**Name of the Project:** RAIN GARDENS  
GRAMMAR SCHOOL HRONCOVA  
KOŠICE

**Carrier of the Project:** People and Water,  
Košice

**Country:** Slovakia / Košice Region

**Contact:** People and Water,  
<https://ludiaavoda.sk>

**Duration:** study and construction from 2019

<https://www.tvkosice.sk/video/5d28b55320151627a799f450>



**Reference:**

<https://kosice.korzar.sme.sk/c/22166752/letna-univerzita-vody-sa-skoncila-dazdove-zahrady-su-hotove.html>

<https://www.startitup.sk/spravy/navychodnom-slovensku-vznikli-dazdove-zahrady/>

### Origin and Context of the Project

The most intense transformation of the Earth's surface is the transformation in urban areas of towns and villages. As the amount of roofed, asphalted and concreted terrestrial surfaces increases, the outflow of rainwater to streams increases as well. This contributes not only to increasing culmination of flood risks, but also to drying of the earth's surface. Groundwater levels below the cities and municipalities are decreasing, as well as evaporation, and the extent of thermal islands where the temperature is often more than 3 degrees higher than the outside temperature of cities is on the rise.

One possible solution is to collect rainwater from roofs, roads, car parks into depress areas (rain garden), where rainwater soaks into the soil and the dominant part of this water evaporates into the atmosphere through vegetation and thus cooling the air above the collected rainwater.

This can be done by any owner of a building, parking lot, pavement or road, as did the participants of the Summer Water University in July 2019 under the Erasmus + Adult Education program, when the participants of the Summer Water University built 2 rain gardens in the Hroncová Primary School complex and built a few interlaced dams in Košice's urban forests.



