

## O2 - Best Practice Data Sheet

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**Name of the Project:** WATER FOR BOTANIC GARDEN in Tatranska Lomnica

**Carrier of the Project:** Tatra National Park, Tatranská Lomnica

**Country:** Slovakia / High Tatras

**Contact:** Botanic Garden Tatranská Lomnica, <https://www.lesytanap.sk/sk/pre-navstevnikov/botanicka-zahrada/>

**Duration:** study and construction from 2006-07



**Reference:**

[https://www.travelguide.sk/svk/turisticke-zaujímavosti/botanicka-zahrada-expozicia-tatranskej-prirody\\_38\\_1.html](https://www.travelguide.sk/svk/turisticke-zaujímavosti/botanicka-zahrada-expozicia-tatranskej-prirody_38_1.html)

[https://www.tripadvisor.sk/Attraction\\_Review-g277810-d10432092-Reviews-Botanicka\\_zahrada\\_Expozicia\\_Tatranskej\\_prirody-Tatranska\\_Lomnica\\_Presov\\_Region.html](https://www.tripadvisor.sk/Attraction_Review-g277810-d10432092-Reviews-Botanicka_zahrada_Expozicia_Tatranskej_prirody-Tatranska_Lomnica_Presov_Region.html)

### **Origin and Context of the Project**

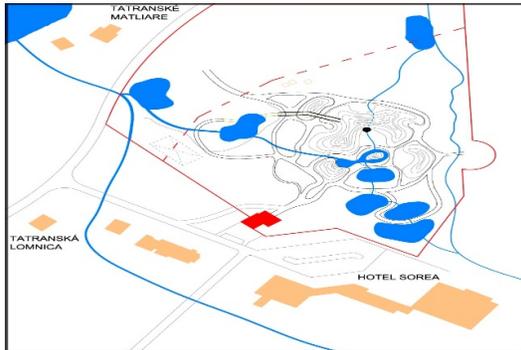
In Tatranska Lomnica, which is part of the alpine environment of the Tatra National Park, there is the Botanical Garden of the alpine Tatra flora. The altitude of the Botanical Garden is 850 m above sea level.

Therefore, the artificially planted flora from the climatic zone of about 2,000 m above sea level has very difficult conditions for existence. The solution was to eliminate higher temperatures in the dried out Botanical Garden for the alpine Tatra flora, so that it would be more tolerable.

As the artificially planted alpine Tatra flora in the Botanical Garden develops much earlier, it is not attractive for Tatra tourists and potential visitors to the Botanical Garden in the middle of the tourist season in the Tatra National Park. That is why the Botanical Garden was visited by quite a few people.



In 2006, the administrator of the Botanical Garden (Tatra National Park) in cooperation with NGO People and Water addressed the improvement of the water regime and microclimate in the Botanical Garden. The aim was to bring water to the Botanical Garden, improve the microclimate and temperature regime of the artificial environment and increase the attendance of the Botanical Garden.



The result was a project to build two water areas – Skalnaté pliesko and Zelené pliesko (Small Rocky Lake and Small Green Lake). The names were derived from Skalnaté pleso (Rocky Lake) under Lomnický štít, which quite often dries up, and Zelené pleso (Green Lake) in Belianske Tatry.

Furthermore, a waterfall was made to create sound effects and disperse water drops into the air, streams were created, old areas and a water feeder from the Water Forest were revitalized.

In addition to the microclimate, relaxation zones were created where visitors of the Botanical Garden can spend longer time and explore the Tatra flora.

The total investment costs of the project were € 240,000. The environment became more attractive, the water regime and the microclimate improved. It also significantly affected the attendance of the Botanical Garden. Annual number of visitors increased by 148%.

The target group are parents with small children, and the proximity to water inspires both children and parents to better perceive water as part of ecosystems and life and to bring this knowledge into their life.

The Botanical Garden managed to improve the environment where alpine flora is explored. The innovative idea of the project

was to improve the microclimate at a place where visitors are naturally concentrated.



Photo: Michal Kravčík