



# History and present of landscape architecture

South Moravia / The Czech Republic

## Lednice \_Brno

27-29 May 2021

ELCA Committee of Firms Excursion



SVAZ  
ZAKLÁDÁNÍ  
A ÚDRŽBY ZELENĚ

# WHY LEDNICE?

- **Lednice-Valtice Cultural Landscape** protected as **World Heritage Sites** by **UNESCO**
- **Faculty of Horticulture Mendel University with Landscape Architecture departments** are specialized in the cultural development of the agricultural landscape, the protection and preservation of garden art monuments, the development of urban and rural environments, new forms of lawn planting, systematic greenery care and the efficient use of water in the landscape.
- **Academic Garden**
- **Labyrinth of Nature and Paradise of Gardens FH MENDELU, Lednice**



# Lednice-Valtice Cultural Landscape

The Lednice-Valtice valley is located in South Moravia, Czech Republic. With its 143 km<sup>2</sup>, the Lednice-Valtice Cultural Landscape is unique because of how architectural, biological and landscape features have been shaped over time.





## Greenhouse

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It was built partly on the location of the former wooden orangery founded in 1717. In 1842, prince Alois II. Josef decided to demolish the orangery and ordered his architect Jiří Wingelmüller to build a new, modern structure that would use steel, cast iron and glass as main materials (these material were rather unusual at the time of the construction). An English engineer P. H. Desvignes probably contributed to this work. The construction cost almost 160 thousand Florins. The self-supporting structure of the greenhouse is secured against overload and the combined iron – cast-iron columns are fitted with decorative cast-iron sheaths.



# CHATEAU PARK CRUISES

- Romantic cruise through the Lednice Chateau park, along the Dyje River branches, with a guide who will acquaint you with the history and interesting facts related to the former Lichtenstein domain.
- You can enjoy a cruise along two routes: from the Lednice Chateau to the Minaret, and from the Minaret to the Jan's Castle (Janohrad).





# Academic Garden

Academic Garden represents the heart of the entire faculty campus. It is a unique space for active and passive recreation and especially a representative setting of the faculty where festivals, exhibitions and study-related ceremonies can be held. It is a place where students can discuss important issues of the field, the individual garden elements, compositional principles, etc. It is a place where students can stay and be literally in touch with the plants.



# Academic Garden

In the framework of the compulsory practical training, students have to directly participate in the care of this space and thus gain an even stronger relationship with the place and the plants. The composition of the space is based on the impression formed by the complex collection of plants - from solitary specimen trees, shrubs and the ground-covering level, an exceptional collection of climbers, to flowers of all colours and production groups.



# Labyrinth of Nature and Paradise of Gardens

In 2015 first eleven thematic gardens (out of the 33 proposed) were established; they have been designed as separate functional, spatial and compositional units presenting the results of experimental, research and artistic activities of all the faculty departments to the wide public.



# Labyrinth of Nature and Paradise of Gardens



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# Labyrinth of Nature and Paradise of Gardens

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- It creates a comprehensive and clearly readable image of the contemporary creative possibilities and limits of the individual compositional elements and garden principles, related new techniques, technologies and media.
- The thematic gardens are not only an extensive collection of garden plant assortments, but above all an illustration of their combinations and relations emerging from their artistic, architectural and environmental grouping.

8/26/2020



# Brno – Environmental Partnership

**Czech Environmental Partnership Foundation, in short Environmental Partnership** (in Czech Nadace Partnerství), is a leading Czech foundation and NGO supporting sustainable development solutions. Partnership Foundation (Nadace Partnerství) enables people to protect and improve their environment. For this purpose, it distributes grants, runs education programmes and provides professional services (by means of Partnership public benefit organization, a sister subsidiary public benefit corporation).

The focus is on the issues of environmental protection, sustainable transport and tourism, tree and water protection and quality public spaces. Over 23 years of its existence, Environmental Partnership has distributed more than 238 million crowns (cca 12,5 million USD) among 2,722 projects in the Czech Republic alone.

Environmental Partnership's seat is located in a new building opened to the public in the city of Brno in November 2012.

It consists of a top-notch office building, designed by a leading Czech architecture studio Projektil Architekti Ltd., and the educational centre for children and adults called the **Open Garden**.



# Brno – Open Gardens

The Open Gardens is set in the environment of urban gardens that form a unique park area encircling the tallest top in the entire city; a top of which stands the historically valuable Špilberk castle. It is a truly unique space to experience nature, technology and city gardening, serving both as a model and blueprint for smart city development and a hub for nurturing civil society and environmental innovations. Come touch, smell and imagine how our future may look!

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**Our office is in this building!**



# Open Gardens



# BRNO \_ PARK UNDER THE SAILS

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- The park was created under the Plachty street (Flax Sheets or also Sails), the name of which takes us back to times when hay was collected here, using these sheets. With time, allotment gardens sprang up only to be eaten up by concrete blocks of flats later. In recent past further mass construction has been ruled out thanks to changes in the Zoning plan which reserved the area for an urban park. The theme of the canvas sheets or sails as many now understand the word, appears throughout the park: children play elements in the form of a boat, there is even a water body to `sail upon` now. The reservoir fills up with rainwater collected on nearby blocks of flats' roofs. Designing the path for the underground pipe was not an easy process as the area is crossed by a utility corridor. The volume of the dammed water is 630 m<sup>3</sup> but can reach up to 890 m<sup>3</sup> – the reservoir also serves for surplus water retention but is, at the same time, built on principles of natural balance reached by a managed succession of the fish and plant species within the ecosystem.





## BRNO \_ PARK UNDER THE SAILS

As for planting scheme, the bottom of the stony slope was planted with draught resistant plants. The natural character of this patch has been maintained by excluding atypical garden cultivars even if not only autochthonous species were used. A little island of 'urban wilderness' that has been maintained here served as a fauna refuge during the construction and as an inspiration for a wild meadow planting carried out in the southern half of the park.

## The world's first living hall - LIKO-Vo

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LIKO-S, the leading production and construction family company from Slavkov u Brna, inaugurated the world's first living hall - LIKO-Vo on June 18, 2019. Compared to other industrial buildings, which warms the surrounding air to up to 80 ° C, LIKO-Vo limits the amount of heat radiation and as a result its surroundings are up to 10 ° C cooler. LIKO-Vo pioneers the concept of "living buildings" based on natural thermal stabilization.





## The world's first living hall - LIKO-Vo

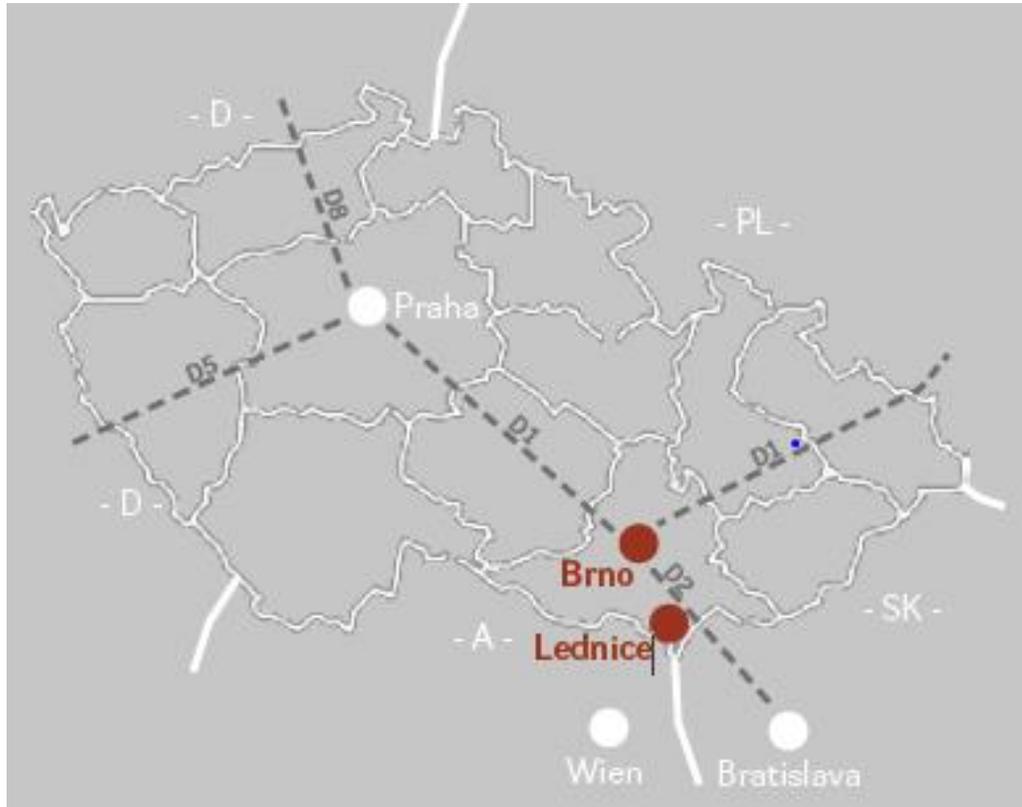
This is possible thanks to the green roof and facade, retention pond, and other technologies. But there is one technology that you would not find here - air conditioning. In addition to the apparent aesthetic benefits, the green faces of the building provide thermal insulation and function as a root sewage purification station. All of the waste water from the building is naturally purified and re-used for irrigation. Equally important is the green roof.

# Location

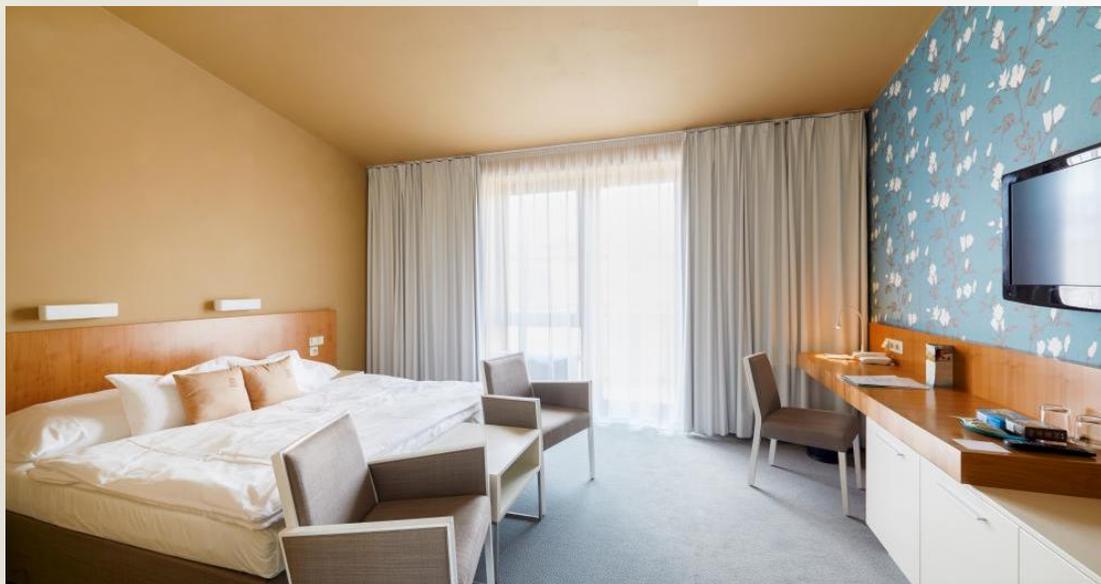
Getting to Lednice is not as difficult as it could appear. If you travel by air, you will probably land at Prague-Ruzyně airport (CZ), Brno airport (CZ), Vienna-Schwechat airport (A) or at Bratislava airport (SK).



# Lednice

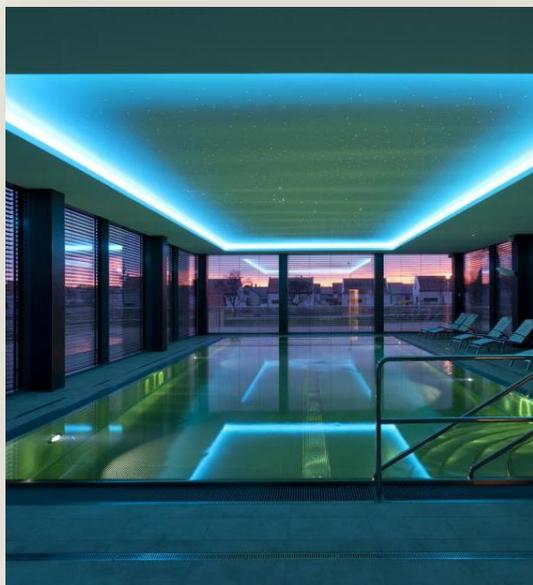


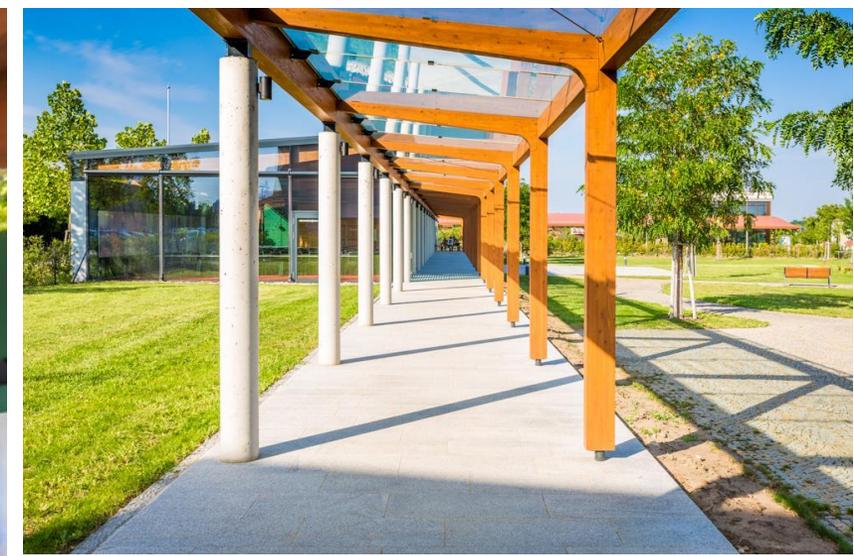
It is approximately 220 km from Prague to Brno. There is a very good connection between Prague and Brno either by train from Prague's main railway station or by coach from Florenc bus station. If you travel either from Vienna or Bratislava, the best way to get to Lednice is again taking a train (from Vienna to Břeclav ca. 1 hour journey or from Bratislava to Břeclav or Podivín ca. 50 minutes journey). In case you travel by car, in either cases driving from Prague (motorway D1 and D2), Brno (D2) or from Bratislava (D2) you leave the motorway at EXIT 41 to Podivín, you drive through the Podivín village, continue straight ahead and the road II/422 will take you to Lednice. Travelling from Vienna, you drive through Poysdorf, continue through the Schrattenberg-Valtice border pass to Valtice and finally from Valtice to Lednice.



## Accommodation in Spa Resort Lednice - Spa in garden of Europe

- Spa Resort Lednice \*\*\*\* is non-smoking hotel which offers their guests a comfortable accommodation in 43 spacious rooms, 3 suites and a luxurious prince suite which will satisfy even the most demanding customer.
- A spa hotel is also equipped with a complex balneotherapy where you can choose from a wide range of therapeutic and relaxation treatments, a restaurant with a winter garden and a room for trainings or conferences. Of course there is own enclosed parking in the hotel areal and wifi connection to the internet in whole complex.





Presidium's meeting

# Covid variant without any travelling

**First day** – Lednice only walking tour

**Second day** – round table and lectures with the cooperation of the Faculty of Horticulture

The best way to teach landscape architects how to design plants and gardens is to have lessons directly in a place which has a high artistic value, and which can very well present innovative approaches to the creation and maintenance of vegetation. Czech landscape architects are taught in the Lednice-Valtice Area (UNESCO site), which is a unique cultural landscape, maintained and created by the Liechtenstein family for over 300 years. Therefore, the Faculty of Horticulture of the Mendel University in Brno has chosen Lednice as its headquarters.



Come and be together!

8/26/2020

# Photo

- <https://www.plavby-lednice.cz/en/gallery>
- <https://www.lazne-lednice.cz/en/photogallery#gallery-31>
- <https://www.facebook.com/Lednický.zámecký.park>
- <https://www.otevrenazahrada.cz/UvodOld.aspx>
- [www.npu.cz/cs/npu](http://www.npu.cz/cs/npu)
- Photo by Oto Bernad, Hana Pijakova, Viktor Filipi, Petra Brázdová, Monika Ondráčková
- Archiv SZÚZ