

INTERACTIVE PAVILION BEE WORLD

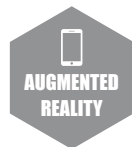
www.worldbeeday.org | www.facebook.com/worldbeeday



A DESCRIPTION OF THE PAVILION ACTIVITIES

Virtual Reality

The biggest attraction offered by our exhibition area is the presentation of four films made with the state-of-the-art technology, allowing visitors to see the happenings inside and in front of the beehive from a 360° perspective. The same technology was used to record the flight of a bee flying from its feeding grounds toward the beehive. The films can be seen by means of VR glasses and touch screens available in the pavilion. All the films were made in Slovenia and, in addition to the bee world, they reveal the natural beauties of this country.



Augmented Reality

The pavilion is essentially "interactive", as it offers a wide range of information, data and photographic material through the latest apps. The mobile app "AR Bee World" for the iOS and Android operating systems of mobile devices enables one to experience the augmented reality in the pavilion. In order to see the virtual elements, visitors need a mobile phone or tablet, i.e. their own or one available in the pavilion. Ten hexagons in the cupola structure show virtual video content, whereas ten hexagons show virtual graphic elements – inscriptions. A special feature is the display of a virtual 3D model of a floating Carniolan honey bee (*Apis mellifera carnica*), i.e. a drone, in the centre of the pavilion.



Hologram

The visitors to the pavilion may observe the simulation of the floating Carniolan honey bee (*Apis mellifera carnica*) through "hologram" technology. The combination of a real object (a blossom) and the holographic projection together with appropriate sounds gives users the impression of being very close to the presented animal when the beehive is viewed through the viewing slot.



Nectar-Bearing Plants

Special wonder is aroused in the pavilion by nectar-bearing plants such as, natural local herbs, spice and aromatic plants, and agricultural and ornamental plants, which are of particular importance for the life of bees and the nutrition of other living beings. These are primarily plants that at the time of flowering produce a great deal of nectar and enough pollen so that bees can collect them.



The Sound of Buzzing Bees

Through the headphones you can enjoy natural sounds recorded in a beehive. The headphones can be used at the same time as VR glasses and thus the sounds complement the visual image and the life of bees can be experienced more fully. The sound of bees has a beneficial effect on most people; sound therapy is known and carried out by certain beekeepers in their bee houses.



Beehive Scent

The exhibition pavilion conjures up the experience of a real beehive through the genuine smell of propolis, and at the same time it pleasantly scents the air. The smell also relieves the symptoms of respiratory problems and helps protect the respiratory tract against suspended particles, microbes and organic solvents in the air.



Photographs

The pavilion also houses a special exhibition of wonderful photographs of pollinators taken by the best Slovenian photographers. The photographs show pollinators that are of great significance for the provision of food, sustainable agriculture, preservation of the ecological balance, biodiversity conservation, and protection of the environment. Special attention is devoted to the indigenous Slovenian subspecies of bee named the Carniolan honey bee (*Apis mellifera carnica*).



Tablet Game

The pavilion will also attract the youngest visitors. By means of a tablet game, they can fly like a bee and get to know the beauties of Slovenia while travelling through its tourist jewels - Bled, Piran, Velika Planina, etc. The game is designed so as to enable the honeybee to "collect" as many flowers as possible and bring them safely to a beehive. In so doing, it is "hindered" by birds and other "intruders" who should be successfully avoided.



Colouring Book

Young and young-at-heart visitors of the pavilion can draw their impressions on the app's "Colouring Book", on which, through the touch-sensitive screen, they can colour a variety of motifs from the real world of bees. Coloured drawings can also be printed and taken home as a souvenir of the visit to the "Bee World" pavilion.



Take a "Selfie" and Share it on social media using #WorldBeeDay

The "Bee World" pavilion, inter alia, invites visitors to take a "selfie" with their mobile phones and share it on Facebook: www.facebook.com/worldbeeday. Visitors are also invited to visit the website www.worldbeeday.org and to lend their support to the initiative to have 20 May declared World Bee Day.

BASIC INFORMATION ABOUT THE BEE WORLD PAVILION

Diameter of the structure | 6.00 m

Height of the structure | 3.10 m

Weight of the pavilion | 2500 kg

Net exhibition area of the pavilion | 28,30 m²

Gross exhibition area of the pavilion | 63,62 m²

Voltage | 24V/220V

TRANSPORT VOLUME

8 carts | (length 145 cm x width 75 cm x height 210 cm)

1 cart | (length 130 cm x width 70 cm x height 110 cm)

1 cart | (length 245 cm x width 145 cm x height 150 cm)

1 cart | (length 120 cm x width 80 cm x height 130 cm)



"The World Bee Day initiative unites and connects the whole world."

TO BEE OR NOT TO BEE.

Bees and other pollinators are of outstanding value from economic, social and environmental perspectives. The official data show that one-third of our food depends on pollination by bee. Pollinators play an important role in ensuring the food security of mankind and thereby the related issues of sustainable agriculture and preserving the ecological balance and biodiversity of nature. Bees are a good indicator of environmental conditions, by monitoring their development and health conditions it can be established when something is going on in the environment that requires action.

Recently, bees have become increasingly threatened; therefore, the Republic of Slovenia has been endeavouring to have World Bee Day proclaimed since it is only by joint efforts that we can provide for the protection of bees and their habitats!

In the desire to upgrade raising awareness of the general public as regards the importance of bees and other pollinators, an interactive pavilion called "Bee World" was launched. The pavilion has the form of a cupola with a 6 m diameter and a height of 3.1 m, consists of wooden hexagons and symbolises bee cells, which are united and form a honeycomb. The structure has three entrances through which visitors can walk and look at illustrative photographs, videos and different materials on bees and other pollinators. The main attraction of the pavilion is the chance to experience the world of bees through virtual reality by means of modern technological devices. In this interactive manner, visitors can experience the life of bees.

THE WORLD BEE DAY INITIATIVE AND WHY SLOVENIA?

Slovenians have always been a nation of beekeepers. There are five beekeepers per 1,000 inhabitants, which places Slovenia at the top of the world in terms of the number of beekeepers. Beekeeping is an important agricultural activity with a long-standing tradition. Our beekeepers are known throughout the world for their professionalism and advanced technologies, and for Slovenia's unique historical peculiarities such as painted beehive panels, bee houses, traditional beehives and the Carniolan honeybee.

As we are aware of the importance of bees and other pollinators, we carry out several informative projects, one of which is the honey, i.e. traditional, Slovenian breakfast, we educate young people through beekeeping courses in schools, we encourage the planting of honey plants, etc. On the proposal of the Beekeepers' Association of Slovenia, in 2014, we started the initiative to proclaim 20 May World Bee Day. The Slovenian beekeeper Anton Janša, who was the pioneer of modern apiculture and one of the greatest experts on bees in the world, was born on that day in 1734.