

# europaean botanic gardens congress

16–20 May 2022, Budapest

*botanic gardens – where people and plants meet*



## Detailed preliminary programme

The Organisers reserve the right to change the programme!

## 16 May 2022

**09:00 - 10:30 Opening addresses/Plenary session**

**Plenary Room**

**László Orlóci**

Director, ELTE Botanic Garden

**Dr. Paul Smith**

Secretary General, Botanic Gardens Conservation International, UK

**10:30-11:00 Coffee break**

**11:00 – 13:00 Plenary session**

**Plenary Room**

**Dr. Peter Wyse-Jackson**

President, Missouri Botanical Garden, USA

**Prof. János Podani**

Institute of Biology, Eötvös Loránd University, Hungary

**Prof. Dr. Michael Kiehn**

Head of the Core Facility Botanical Garden, University of Vienna, Austria  
Vice-President of International Association of Botanic Gardens

**13:00-14:00 Lunch break**

**14:00 - 16:00**

**Plenary Room**

**BGs as custodians of biodiversity I.**

**Life Seedforce: a new project focused on plant translocation**

Costantino Bonomi

**Diversity of primroses in Slovenia**

Jože Bavcon, Branko Vreš, Blanka Ravnjak

**On-the-ground conservation of *Boswellia* species in the Socotra Archipelago (Yemen)**

Petr Maděra

**Where is Europe standing concerning the GSCP Target 8? A study on wild species seed bank collections in the framework of the COST Action CA18201 “Conserve Plants**

Ensslin Andreas

**Angelica archangelica, from Viking vegetable to Nordic delicacy - on safeguarding traditional knowledge in botanic gardens**

Anneleen Kool, Irene Teixidor-Toneu

**System level thinking to improve the relevance of living collections**

Andrew Wyatt

**14:00 - 16:00**

**Session Room**

**BGs as experience-based class-rooms I.**

**Models of Fabaceae-flowers as tools for understanding interactions between form and function**

Daniela Hlavka, Linda Hämmerle, [Michael Kiehn](#), Peter Lampert

**Podcast your garden**

Stina Weststrand, Åsa Krüger

**Designing educational offer for children with children - the case of the new interpretation system at the University of Warsaw Botanic Garden**

Anna Albin, Magdalena Oprządek

**New topics in an old garden - contemporary educational challenges at the University of Warsaw Botanic Garden**

Magdalena Oprządek, Anna Albin

**Science communication in botanic gardens: the European panorama**

Andreia Jorge

**Phenological observations with secondary schools**

David Bröderbauer, Magdalena Hauer, Barbara Knickmann, Michael Kiehn

**16:00-16:30 Coffee break**

**16:30 - 18:00**

**Plenary Room**

**BGs as custodians of biodiversity II.**

**Experiences in the *ex situ* conservation of the giant plantain (*Plantago maxima* Juss. ex Jacq.) in Soroksár Botanical Garden**

Zsófia Kovács, [Mária Höhn](#)

**The main trends of fundamental research of russian botanical gardens**

Vladimir Upelniek, Svetlana Potapova

**Rare components of global, national and regional flora in collections of botanical garden of Samara University**

Lyudmila Kavelenova

**The AMUNATCOLL IT system – virtual collections, field application and spatial data analyses for all**

Justyna Wiland-Szymańska, Jerzy Błoszyk, Marcin Lawenda, Maciej Nowak, Piotr Szkudlarz, Bogdan Jackowiak

**Nature conservation in an urban environment**

Bettina Hamel

**Conserving natural forest steppe within the territory of the Soroksár Botanical Garden**  
Maria Höhn

**16:30 - 18:00**  
**BGs as experience-based class-rooms II.**

**Session Room**

**Virtual versus physical during covid-19 pandemic - reflections from the experience of the botanic garden „d. Brandza” in Bucharest**

Petronela Camen-Comanescu, Maria Raicu, Eugenia Nita, [Paulina Anastasiu](#)

**The main dendrological values of the Buda Arboretum, its role in higher education and environmental education**

Péter Honfi, Magdolna Sütöri-Diószegi, [Veronika Szabó](#)

**Family education: Why It Is relevant and in demand now**

Alla Andreeva, Nadezhda Lazareva

**Dissemination and awareness-raising in the National Botanic Garden**

Éva Szakács, [Gergely Lunk](#), Tímea Földi, Erzsébet Fráter, Géza Kósa, Barbara Sólyom, Vince Zsigmond

**17 May 2022**

**09:00 - 10:30**  
**Plenary session**

**Plenary Room**

**Philippe Bardin**

National Museum of Natural History, Paris, France;  
Chairman of Planta Europa

**Daniel Boulens**

Environment Expert, Former Head Gardener of Lyon, France

**James Gagliardi**

Supervisory Horticulturist  
Freer/Castle/Haupt/Rose/Ripley Garden, Smithsonian Gardens, Washington DC, USA

**10:30-11:00 Coffee break**

**11:00 - 12:00**  
**Planta Europa**

**Plenary Room**

**Botanic gardens as places to support ESPC targets and green institutions**

Erika Kónya, Péntzesné

**Environment, sustainability and biodiversity in a changing world**

Martin Haigh, Erika Kónya, Péntzesné, [Josef Krecek](#)

**Balkan Botanic Garden of Kroussia and Zelios Gi: a case study in connection to partnership for Plant Conservation and restoration programme**

Eleni Maloupa

**11:00 - 12:00**

**Session Room**

**BGs public parks and urban green infrastructure**

**Breeding and application of Hungarian and native ornamental plants in modern green space management**

Szilvia Kisvarga, Dóra Farkas, Gábor Boronkay, András Neményi, László Orlóci

**Meise Botanic Garden 2.0 is ready for the future**

Koen Es

**Balkan Botanic Garden of Kroussia and Zelios Gi: case study in connection to partnership for Plant Conservation and restauration programme**

E. Maloupa

**12:00-13:00 Lunch break**

**13:00 – 14:20**

**Plenary Room**

**BGs and global change**

**Humans - invasive or keystone species? implications of spatial and historical disparities for plant conservation**

Mats Havström

**New challenges facing Global Change: climate variability, carbon storage and phenology of trees of Real Jardín Botánico of Madrid - CSIC (Spain)**

Esteban Manrique, Andrés Ochoa, Alberto Herrero, Luis M. Bolaños, Mariano Sánchez

**Phenological assessment of woody plants in the Buda Arboretum for urban afforestation**

Barnabás Tóth

**Preparedness in times of rapid change and extreme events – Botanic gardens and disaster management planning**

Joachim Gratzfeld, Noelia Alvarez de Román

**14:20-15:00**

**Plenary Room**

**BGs for food security and plant resources**

**Environment friendly plants use in sensitive agroecosystems**

Asta Klimiene, Laura Normante

**Enabling responsible exchange of plant material for conservation and research**

Paul Smith

**13:00 – 14:20**

**Session Room**

**BGs and the policy environment**

**Non-commercial use of plant genetic resources and the Nagoya Protocol of the Convention on Biological Diversity: assessment of experiences and implications in German speaking countries**

Fabian Alexander Fischer, Michael Kiehn

**The development of a post-2020 Global Strategy for Plant Conservation as a component of the Global Biodiversity Framework**

Suzanne Sharrock, Maite Delmas, Peter Wyse Jackson

**The use of IPEN-numbers in seed catalogues of botanical gardens**

Iris Otterspeer, Michael Kiehn

**14:20 – 15:00**

**BGs in their social context**

**Barriers in Gardens – not only steps and steep slopes**

Klára Lorencová, Jarmila Skružná, Eva Novozámská

**Design in the therapeutic garden**

Blanka Ravnjak, Lea Šuc, Lea Gabrovšek, Jože Bavcon

**15:00-15:30 Coffee break**

**15:30 - 17:30**

**Workshop**

**Plenary Room**

**Sentinel plant research in Europe**

Lara Salido

**15:30 - 17:30**

**Workshop**

**Session Room**

**Networking for Plant conservation and habitat restoration**

Costantino Bonomi, Erika Kónya, Philippe Bardin, Jana Taborská

## **19 May 2022**

**08:00 - 10:00**

**Workshop**

**Plenary Room**

**Botanic garden visitors do not waste food!**

Dominic Grantley-Smith

10:00-10:30 Coffee break

**10:30 - 12:00**

**BGs as custodians of biodiversity III.**

**Plenary Room**

***In vitro* propagation, conservation and genetic fidelity evaluation in *Salacia chinensis* : An endemic threatened medicinal plant of Western Ghats of India**

Raviraja Shetty

***In situ* and *ex situ* conservation of the endangered plant *Artemisia laciniata***

Andrea Kodym, Frank Schumacher, Thomas Pirker, Michael Kiehn

***In vitro* culture as a method of *ex situ* conservation of valuable plant species of the Romanian flora a case study at Al. Borza botanic garden**

Liliana Jarda

***Ex situ* conservation in National Botanic Garden, Vácrátót**

Krisztián Halász, Gergely Lunk, Erzsébet Fráter, Tibor Bárány, Géza Kósa, Vince Zsigmond

**10:30 - 12:00**

**Session Room**

**BGs as eco-attractions / BGs as field for art and culture activities**

**Documenting, sharing, and disseminating plant collections: the experience of the Pisa Botanic Garden**

Marco D'Antraccoli, Leonardo Cocchi, Pietro Picconi, Dario Besseghini, Lorenzo Peruzzi

**A coastal redwood grove in the Balaton region: creating a successful phytocoenosis in unfavourable conditions**

Zsuzsanna Rónay, [Réka Folly](#)

**The wise trees project - support of historic and/or botanic gardens in management and familiarization of ancient trees**

Zsuzsa Szendi, Vince Zsigmond

**Biodiversity and Art: incorporation of nature and art projects in Vilnius University Botanical Garden activities**

Aida Vida Dobkeviciute

**Tallinn Botanic Garden – Embassy of the Plant Kingdom**

Jaan Mettik, [Urve Sinijärv](#)

**12:00-13:00 Lunch break**

**13:00 - 14:30**

**Plenary Room**

**BGs as custodians of biodiversity IV.**

***Ex situ* conservation in the Botanical Garden of Eötvös University**

László Papp, László Orlóci

**GlobalTree Portal: the first conservation database for trees**

Emily Beech, Malin Rivers, Ryan Hills, Stefan Jänicke

**Plant knowledge and plant application in the Budapest Zoological and Botanical Garden**

Krisztina Szabó

**The role of the Botanic Gardens in the restoration of declined Mediterranean forest ecosystems**

Dario La Montagna, Vito Emanuele Cambria, Emile Ammann, Virginia Chiara Cuccaro, Vikram Iozzo, Giuseppe Fabrini, Fabio Attorre

**13:00 - 14:30**

**Session Room**

**BGs as living treasures**

**Collections-exhibitions in the structure of botanical gardens: for scientific studying and aesthetics of territories**

Zarema Smirnova

**Not just a building – new greenhouses in the Gothenburg Botanical Garden.**

Åsa Krüger, Stina Weststrand

**Re-organization finalised: the new Systematic Division at the BG of the University of Vienna**

Barbara Knickmann, Michael Kiehn, Michael Münch

**The phylogenetic plant system garden**

Erzsébet Fráter

**14:30-15:00 Coffee break**

**15:00 - 16:45**

**BGs as perpetuators of cultural heritage**

**Plenary Room**

**Flore de Gand - herbaria at the crossroads of horticulture and biodiversity**

Chantal Dugardin, Steven Verstockt, Isabel Rotthier

**The importance of historical biodiversity data transcribed from botanical garden archives: results from the citizen science project 'Plant Letters' on Zooniverse**

António C. Gouveia, Joaquim Santos, Ana Margarida Dias da Silva

**Complex cultural heritage of Alexandru Borza Botanic Garden in Cluj-Napoca (Romania): from plant collections to historical artefacts**

Liliana Jarda, Alexandra Şuteu, Oana Gavrilaş, Pavel Dan Turtureanu, [Mihai Puşcaş](#)

**Botanical Gardens as a Part of European Cultural Heritage**

Marketa Machackova, Gitana Stukeniene

**Collections of ornamental plants as cultural heritage**

Alexandra Baumeyer

**15:00 - 16:45**

**Workshop - Bgs and the policy environment**

**Session Room**

**Developing a digital platform for responsible exchange of plant material and data**

Paul Smith, Michael Kiehn, Anneleen Kool, Reinout Havinga

## **20 May 2022**

**09:00 - 11:00**

**BGs as green laboratories**

**Plenary Room**

**Effective plant conservation: why botanists should study zoology?**

Marcin Zych

**Creating and using "Quality × Quantity" model to calculate aesthetic value of hip producing outdoor rose cultivars**

Gábor Boronkay, Dóra Farkas, Szilvia Kisvarga, András B. Neményi, László Orlóci

**The role of MATE Gödöllő Botanical Garden`s Temperate Bamboo Collection in education and research**

András Neményi, Ildikó Pándi, Károly Penksza, Szilvia Kisvarga, Dóra Farkas, Gábor Boronkay, László Orlóci

**How botanic gardens and seed banks can contribute to experimental research on plant adaptation to climate change**

Marko-Tapio Hyvärinen, Anniina Mattila, Maria Hällfors, Laura Pietikäinen, Annisa Satyanti, Øystein Opedal, Marita Tiiri, Mari Miranto

**Diversifying science in botanical gardens, examples from Hortus Botanicus Leiden**

Roderick Bouman

**Evaluation of perennial flowering under stress conditions.**

Noemi Péterová

**09:00 - 11:00**

**Session Room**

**BGs as/and historic gardens**

**The orchid collection of King Dom Luis I of Portugal from 1881 is living again, as a copy**  
Pekka Ranta

**Botanic garden “d. Brandza” – over 160 years devoted to education, research and plants conservation**

Paulina Anastasiu

**The place and role of arboreta and botanical gardens in the Hungarian garden heritage**

Agnes Herczeg<sup>1</sup>, Albert Dr. Fekete<sup>2</sup>

**The Botanical Garden of Budapest**

Eva Szikra

**Heritage conservation aspects regarding botanic gardens and arboretums in Hungary**

Katalin Takács, Imola Gecséné Tar, Anna Eplényi, Máté Sárospataki

**11:00-11:30 Coffee break**

**11:30 - 12:30**

**Plenary Room**

**Workshop**

**Peer-to-peer learning: citizen science and community engagement at botanical gardens**

Baiba Pruse, Suzanne Sharrock, Justyna Wiland-Szymanska, Monika Suskevics, Tsipe Aavik

**11:30 - 12:30**

**Session Room**

**Workshop**

**The Future of Living Collection Management: Understanding the Impact of Your Collection Through Value Scoring**

Havard Ostgaard, Samuel Brockington, Waheed Arshad, Martin Smit

**12:30 - 13:00**

**Plenary Room**

**Closing plenary and ceremony**

**13:00-14:00 Lunch**

**POSTERS**

**BGs as custodians of biodiversity**

**Promising varieties of ornamental apple trees**

Irina Bondorina

**Vertebrate fauna of the National Botanic Garden**

Tímea Földi, Éva Szakács, Gergely Lunk, Krisztián Halász, Géza Kósa

**Macrofungi of National Botanic Garden Vácrtót**

Krisztián Halász

**Native woody plant collection in the Botanical Garden of the University of Latvia**

Madara Lazdane, Signe Tomsone, Inga Apine, Inese Naburga, Uldis Kondratovics

**The HBLFA for Horticulture and Austrian Federal Gardens as a synergy of living treasures,**



#### **education and research infrastructure**

Andreas Fellner

#### **Protection of plant species and their genetic resources; different species - different methods. The collection of protected, rare, endangered and valuable plant species for the Podkarpatie region**

Narczyz Piórecki, Alicja Kucharska, Mateusz Wolanin, [Ewa Antoniewska](#), Mariusz Czernicki

#### **Protection of plant species and their genetic resources; different species - different methods. The pomological collection of historic varieties of apple tree (*Malus Mill.*), pear tree (*Pyrus L.*), and cornelian cherry (*Cornus mas L.*)**

Narczyz Piorecki, Elżbieta Żygała, Alicja Kucharska, Dagmara Lib

#### **Cultivation of Diversity**

Vlastik Rybka

#### **Phenological investigation of the *Festuca* taxa in the sandy areas along the Danube**

Attila Fűrész

#### **Horticultural applicability of *Festuca* taxa (*Festuca wagneri*, *Festuca tomanii*)**

Gergely Pápay, Éva Horváthné Baracsi, Tünde Szabó-Szóllösi, Attila Fűrész, Dániel Balogh, Antal Szőke, Antal Béla Neményi, Károly Penksza

#### **The need to monitor the spontaneous flora of botanical gardens and arboretums to study the overall dynamics of regional floras of Ukraine**

Oleksandr Shynder

#### **Activities on *ex situ* conservation of forest genetic resources in the Botanical Garden of the University of Banja Luka**

Sunčica Bodružić, Nikola Travar, Marina Antić, Jelena Davidović Gidas

#### **From the Botanical Garden into the Wild - the Germany-wide joint-project for Wild Plant Conservation**

Elke Zippel, Becker Ute, Anna Heinken-Šmídová, Okka Tschöpe, Thomas Borsch, Daniela Listl and the WIPs-De-Consortium

#### **Collection of Woody Plants of the O.V. Fomin Botanical Garden**

Vitalii Kolomiichuk, Roman Palagecha

#### **The Ghent University Botanical Garden: towards expertise centre of *Magnolia* research for conservation**

Marie-Stéphanie Samain, Kay Van Damme, [Chantal Dugardin](#)

#### **Habitat restoration of old-fields in Körös-Maros National Park (Hungary) with *in situ* seed sowing and *ex situ* propagation and planting of loess grassland species**

Anikó Németh, Orsolya Makra, Lajos Balogh-Langer, Mihály Szatmári, Enikő Tánczos, Márta Zalatnai, Judit Kapocsi

#### **Digitalisation of the DBN herbarium at the National Botanic Gardens of Ireland**

Wuu Kuang Soh

#### **Conservation of protected plants of native flora in the M. M. Gryshko National Botanical Garden of NAS of Ukraine**

Mykola Gaponenko, [Alla Gnatiuk](#)

#### **Endangered plants in *ex situ* collection in Botanic garden of Klaipėda University**

Asta Klimienė, Algirdas Švanys

#### **Importance of genus fund plant collections of botanical gardens for regeneration of swamps ecosystems**

Remigijus Daubaras, Laima Česonienė

**Population size and density patterns of *Ophioglossum vulgatum* L. in the Molinia meadow of Soroksár Botanical Garden (Budapest)**

Szabina Miklósi

**Species-specific temporal dynamic of orchid populations in the Molinia meadow of Soroksár Botanical Garden (Budapest)**

Anna Mária Csergő

**BGs as eco-attractions**

**Effects of the pandemia in Kecskemét Arboretum (events, visitors, plant collection) by Istvánné Sipos, Mónika Vörösváczi (2022)**

Mónika Vörösváczi

**Sustainable social practices and traditions within an arboretum, based on eco-friendly attractions**

Aleksandar Todorov

**Phytoremediation displays for better understanding plant-soil interactions**

Nerijus Jurkonis

**BGs as experience-based class-rooms**

**Educational, gardening programmes for children in Eötvös Loránd University Botanical Garden**

Zsuzsa Szakacs-Nagy

**Revitalization and dendroflora improvement of the Botanical Garden Jevremovac**

Dragana Skocajic, Dragana Cavlovic, Miroslava Zivanovic, Marija Joncic, Danijela Sparic

**Educational strategies at Budapest Zoo and Botanical Garden**

Ádám Serdült

**"Botanist in the kitchen": Classic educational methods on digital and online platforms**

Károly Penksza, Szilárd Szentés, Tünde Szabó-Szóllösi, Márk Pozsonyi, Júlia Asztalos, Antal Béla Neményi, Éva Horváthné Baracsi, Judit Bódis, Gergely Pápay

**Be inspired! Interactive educational activities at Botanical Garden of Eszterházy Károly Catholic University (Hungary)**

Jana Táborská, Katalin Horotán

**Pandemic challenges on the educational activities provided by "Vasile Fati" Botanical Garden, Biological Research Center, Jibou**

Tunde Jako, Oana Sicora, Lia Mladin, Cristina Copaci, Iulia Chis, Paul Szatmari

**Experience nature first-hand or Educational activities in the Prague Botanical Garden**

Eva Vítová, Eva Novozámská

**Botanical gardens as a meeting point between science and education**

Krasimir Kosev, [Anely Nedelcheva](#)

**BGs as green laboratories**

**Plant adaptation experiments in the Kecskemét Arboretum in extreme conditions (of climate and soil) by Istvánné Sipos, Mónika Vörösváczi (2022)**

Mónika Vörösváczi

## BGs as living treasures

### **The National Program on Conservation and Utilization of Plant Genetic Resources**

Marketa Machackova, Pavel Sekerka, Zuzana Caspers

### **Survey of the largest trees in the Arboretum of Szarvas**

Sándor Tóth, Katalin Hanyecz, Márta Somlyai

### **VRBA, a database application of the Botanical garden Faculty of Science, University of Zagreb, Croatia**

Alan Budisavljević

### **The development of living collections in the Adam Mickiewicz University Botanical Garden in Poznań**

Joanna Jaskulska

### **Phytocoenological display of meadows and dry grassland communities of Lithuania in Vytautas Magnus University Botanical Garden**

Arūnas Balsevičius, Ričardas Narijauskas

### **Plant Genetic Resources in Vilnius University Botanical Garden**

Gitana Stukeniene

## BGs as perpetuators of cultural heritage

### **Bryophyte Collection of Eszterházy Károly Catholic University (EGR): the digital database of Malagasy specimens**

Gabriella Fintha, Andrea Sass-Gyarmati

## BGs for food security and plant resources

### **The collection of *Actinidia kolomikta* in Botanical Garden of Vytautas Magnus University: preservation and evaluation**

Laima Cesoniene, Remigijus Daubaras, Paulina Streimikyte

## BGs in their social context

### **BUCES project: Urban biodiversity and citizen science in primary spanish schools**

Silvia Villegas

### **An action to expand the general public's knowledge of the CITES plant species of Europe**

Justyna Wiland-Szymańska, Alicja Kolasińska, Michael Kiehn, Martin Rose, Živa Fišer

## BGs and public parks, urban green infrastructure

### **The bryophyte lora of the Eötvös Loránd University Botanical Garden in Budapest**

Gabriella Fintha, Marschall Marianna, Erika Péntzesné Kónya, Andrea Sass-Gyarmati

### **Sustainable Gardens in Schools in Madrid, Spain**

Silvia Villegas

### **What is a botanic garden?**

Andrey Filimonov

## **BGs and special gardens for human mind and psyche**

### **Botany as Therapy in Patients with Functional Diversity and a Tool for Environmental Education**

Esther Giménez Luque, Manuel Sánchez Robles, José Luis Molina Pardo, Azucena Laguía Allué, Cecilia Pesci Moyano

### **The garden of mathematicians, Universidad de Almería (Spain). Transversality in the teaching of botany**

Azucena Laguía Allué, Manuel Sánchez Robles, Jose Luis Molina Pardo, Esther Giménez Luque

## **BGs as field for art and culture activities**

### **Art and culture in the National Botanic Garden**

Éva Szakács, Tímea Földi, Gergely Lunk, Vince Zsigmond

### **The Botanical Garden of the Adam Mickiewicz University in Poznań - 20 years of artistic and cultural activities**

Justyna Wiland-Szymańska<sup>1</sup>, Alicja Kolasińska<sup>2</sup>, Ewa Kazimierczak-Grygiel<sup>2</sup>

## **BGs as/and historic gardens**

### **The National Garden of Athens as Historical and Botanical Heritage in Greece**

Katerina Agorastou

### **Collections and heritage interpretation in the botanic garden of the University of Coimbra**

Marcelo D.M.Vianna Filho, M.Teresa Girão da Cruz

### **New look at the "old" Garden - a historical reconstruction in search of modern answers**

Yuri Naumtsev<sup>1</sup>, Ulyana Spirina<sup>1</sup>, Nina Pavlova<sup>2</sup>

### **The experience of the plant biological diversity preservation in the state dendrological park "Olexandria" of the NAS of Ukraine**

Nataliia Boiko, Nataliia Doiko, Nina Dragan

## **Planta Europa - The EPCS as a regional response to the GSPC**

### **Citizen science tools for distance learning of botanical cycle disciplines in the pandemic time and beyond**

Mykyta Peregrym, Ingrid Turisová, Alexander Tashev, Erika Péntzesné Kónya, Nataliia Matsai, Yuliia Havryliuk