



ERASMUS+: CRAFT SKILLS FOR GARDEN CONSERVATION

Draft workshop programme: "Trees in historic gardens in climate change"

Schloss Dyck, Jüchen, Germany
5th and 6th September 2023

DAY 1:

1: Guided tour / Introduction

We will start the day in the park of Schloss Dyck with a guided tour by Dyck's garden manager Berthold Holzhöfer. This tour will focus on the negative effects of climate change so far (e.g. loss of trees) and on measures and experiences with replanting by climate-adapted tree species.

Berthold Holzhöfer (Schloss Dyck Foundation)

2. Mapping

It's important to understand the historical intentions and development of the tree population, which at Dyck started as a plant collection of Prince Joseph at the beginning of the 19th century.

We will show how we use a modern system of digital recording of the tree population in the park since more than 20 years. Today, this is done with very modern technologies, including flying over with drones to evaluate the vitality of the tree population.

Lutz Barwig (Büro Dr. Jürgen Kutscheidt) – to be confirmed

3. Tree inspection

More into detail than the mapping, we want to show how we examine the population of individual old and damaged trees. Which methods, devices and techniques are used? These include tree tomography with the ARBOTOM® and root diagnosis with the ARBORADIX® as well as drilling resistance measurements with the RESISTOGRAPH®.

Frank Rinn (Ingenieur- und Sachverständigenbüro RINN) – to be confirmed

4. Reinforcement and revitalisation

We show when and how we vitalize the sensitive tree population. This includes a number of soil improvement measures, in particular Mycorrhiza fungus vaccinations, irrigation, fertilization.

Jürgen Kutscheidt (Büro Dr. Jürgen Kutscheidt)

5. Practical tree maintenance

We will learn how a thorough visual analysis of a tree helps to understand its condition and difficulties and is a necessity for practical tree maintenance and cutting. Practical activities shown here include climbing techniques, cutting techniques or the installation of ropes for static protection.

Stefan Artmann (Baumpflegeteam Klettermaxe) – to be confirmed

6. Plantings under trees

Underplanting with shrubs, perennials and other plants can help to improve the site conditions. We will learn more about the selection and number of key plants, advantages and possible disadvantages of underplanting etc. We plan having practical work “around” old trees and in combination with planting new trees.

Fauko Kullmann (Editor and author, President of Gesellschaft der Staudenfreunde) – to be confirmed

The day will also include breaks at the restaurant of Schloss Dyck and on site. In the evening a joint dinner in a traditional brewery will allow socialising and a further exchange of experiences.

DAY 2:

We are currently exploring options for a study trip to near-by Düsseldorf. Here two main topics might be addressed:

In June 2014, the city of Düsseldorf was hit by a hurricane that caused immense damage and losses to street trees and trees in parks. After overcoming the shock and cleaning up, it became clear that:

- there is a great willingness of the population to donate for the planting of new trees.
- the loss of many trees in the parks also offered the opportunity to improve the appearance and to return to earlier design ideas.
- more climate-resistant trees must be preferred when planting new ones.

Tobias Lauterbach (Garten,- Friedhofs- und Forstamt der Stadt Düsseldorf) – to be confirmed

The Schloss Benrath Foundation had participated in the founding of the Climate Change and Historical Gardens Initiative Alliance. A federal funding of 3 million Euro is now used to renovate the rainwater retention basin (also underneath the buildings), a historical system for rainwater reclamation and use in dry phases in spring and summer.

Stefan Schweizer (Stiftung Schloss Benrath)- to be confirmed

If we can realize this study trip, there will be options to leave the coach at Düsseldorf Main Station or to move on to Düsseldorf Airport.