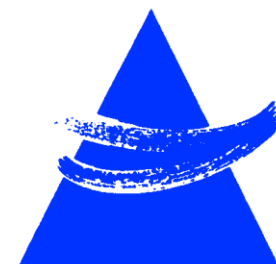




WORKING COMMUNITY OF THE DANUBE REGIONS

PA 6 Biodiversity, Landscapes, Quality of Air and Soils
Budapest 27.3.2018

Working Group SUSTAINABILITY- Soil Protection



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ДУНАВСКИ СТРАНИ
РОБОЧА СПІВРУЖНІСТЬ
ПРИДУНАЙСЬКИХ КРАЇН

DI Christian Steiner & DI Dr. Erwin Szlezak, NÖ Agrarbezirksbehörde/Fachabteilung Landentwicklung

Decision regarding *"soil protection & sustainable land use"*

1.

The Working Group "Sustainability" within the ARGE Donauländer continues its cooperation with **Priority Area 6 "Biodiversity, Landscape, Air and Soil" of the EU Strategy of the Danube Region**. In this context on-going and future projects are embedded and disseminated by the Task Force SONDAR Soil Strategy Network in the Danube Region.

2.

ARGE Donauländer acts jointly with existing networks such as **SONDAR, ELSA** European Land and Soil Alliance, **CASEE** (Network der Life Science Universities) to distribute best practice examples in the Danube Region.

3.

ARGE Donauländer turns special attention to the implementation of the **17 Sustainable Development Goals**, adopted by the United Nations.

Decision regarding *"soil protection & sustainable land use"*

Work Program 2018

- **25. Working Group "Sustainability**, focusing on "soil protection and sustainable land use", **April 24/25, 2018** in Tulln /AUSTRIA cooperating with Life Science-Universities in the Danube Region (**CASEE-network**): "Small-scale food production systems (micro-farming): perspectives for sustainable land use" www.unserboden.at
- **ETC-Project CZ-AT "Climate Green – Adaptation to climate change by means of Green Infrastructure"** kick off on **9th Mai 2018** in Tulln /AUSTRIA
- **Annual Conference of the European Land and Soil Alliance ELSA "Soil Protection under pressure"** in cooperation with City of Stuttgart, **June 14/15, 2018 in Stuttgart /GERMANY**

On-going projects:

- Application of Water- and Soil-Data in the projects "**HydroBod**" and "**Soil Map**" in Petzenkirchen
- **Humus Management** and regional Production of Organic Fertilizers
- **INTEKO** Technological Innovation of Compost Application and Soil Protection

FAO Biodiversity, Landscapes, Quality of Air
and Soils SONDAR - Erwin Szlezak

27.3.2018 Budapest



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Activity of the Working Community of Danube Countries Working Group Soil Protection and Sustainable Land Use

25th Conference in Tulln / Absdorf AUSTRIA 24th/25th April 2018 on "Small Scale Food Production Systems"

Small-scale food production systems are increasingly attracting the attention of producers, consumers and scientists as a possible solution to the manifold ecological and economic dilemma of agriculture and food supply in a world with an ever increasing population. Such systems typically involve intense labour and aim at high and diverse productivity on small pieces of land. Small-scale food production has been employed in weak economies (subsistence agriculture) for meeting the own demands of food, and more recently becomes popular as an alternative to conventional food supply systems for citizen and entrepreneurs also in wealthy regions, e.g. the "market gardener" company based in Canada. While this approach appears promising for meeting the increasing demand for high quality and quantity of food supply under different economic and social settings, in-depth evaluation of their sustainability is yet required. www.unserboden.at



Micro-farming

- 7 ECTS bachelor course at BOKU
- Aim: Students investigate the sustainability of micro-farming systems
 - Group 1: Self-sufficiency systems
 - Group 2: Market gardening systems
- Students participate in work with refugees at the scientific farm station „Grand“ (Nov. 2017)
- Students present their work and participate in workshops on micro-farming at the next Danube Country Conference in Tulln (April 2018)

Decision regarding *"soil protection & sustainable land use"*

Outlook Work Program 2019

- **Shelter belts as Biotope Network Systems:** Assessment and Implementation of Soil Protection Hedges in the Danube Regions.
- **Soil Fertility:** Humus Management and regional Production of Organic Fertilizers provide relevant contributions to the adaption to climate change.
- **Soil Map for the Danube Region:**
 - General Map of the Danube Region
 - Map on regional level using the example of Lower Austria
- **Micro-farming:** Small-scale food production systems: perspectives for sustainable land use"
- **Adaptation to Climate Change:** Protection and Improvement of Green Infrastructure under the aspects of Health and Quality of Life using the examples of the project "Climate Green".
- **Alliance of Networks of Sustainability and Health**

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•Multifunktional hedges Mehrnutzungshecken

Vielfältige Nutzung von Bodenschutzanlagen zur nachhaltigen Produktion, zur Erosionsverminderung und zur Erhöhung der regionalen Wertschöpfung.

•Projekt gefördert vom Niederösterreichischen Landschaftsfonds Zwischenbericht

•Ing. Christophorus Ableidinger

•Dr. Eva Erhart (Projektleiterin)

Dr. Bernhard Kromp

Dr. Wilfried Hartl

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Soil Protection Hedges in Lower Austria

New Plantings

- about 30 hectares per year
- about 80% of new installations
- about 20% Re-greening of old facilities

Care Measures

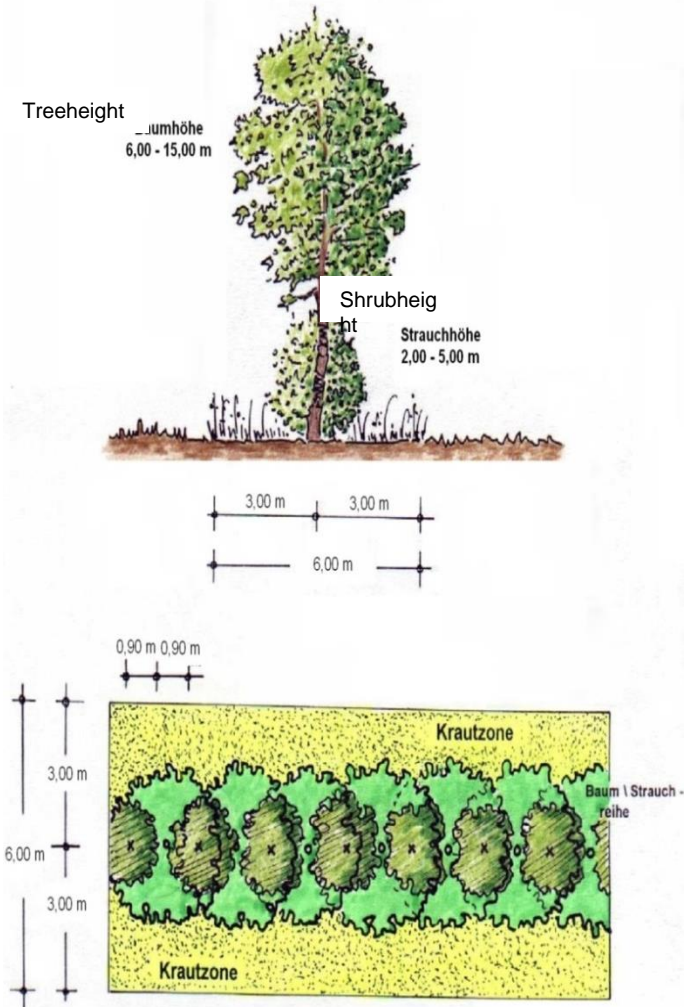
- about 900 greeneries
- on 150 hectares (3 operations per year)
- in 120 cadastral municipalities

Total Stock (since 1958)

- about 3.000 hectares

Plant Requirement per year

- 20.000 trees (on average)
- 80.000 shrubs (on average)
- mainly produced in our own tree nursery
- from regional seeds, harvested in Lower Austria



ICA – Association of European Life Science Universities

Background & Aims

ICA's vision is to enhance our members' success in the international market place, in Europe and globally, by providing a supportive environment to share experience, to cooperate in new ventures, and to benefit from the resulting synergy. ICA addresses all disciplines relating to the bioeconomy; agriculture, forestry, food, natural resources, rural development and the environment. The governing body of ICA is the ICA General Assembly of Rectors and Deans from ICA member institutions.

CASEE

Background & Aims

<http://www.ica-casee.eu>

The “**ICA Regional Network for Central and South Eastern Europe**”, in short CASEE, is a network of Central and South Eastern European Higher Education Institutions relating to the Life Science disciplines (agriculture, food, biotechnology, natural resources, rural development and the environment).

CASEE is a non profit organisation which aims to stimulate and support its member institutions in the development of a European dimension in education and research through the development of concerted actions and in engaging globally.

CASEE

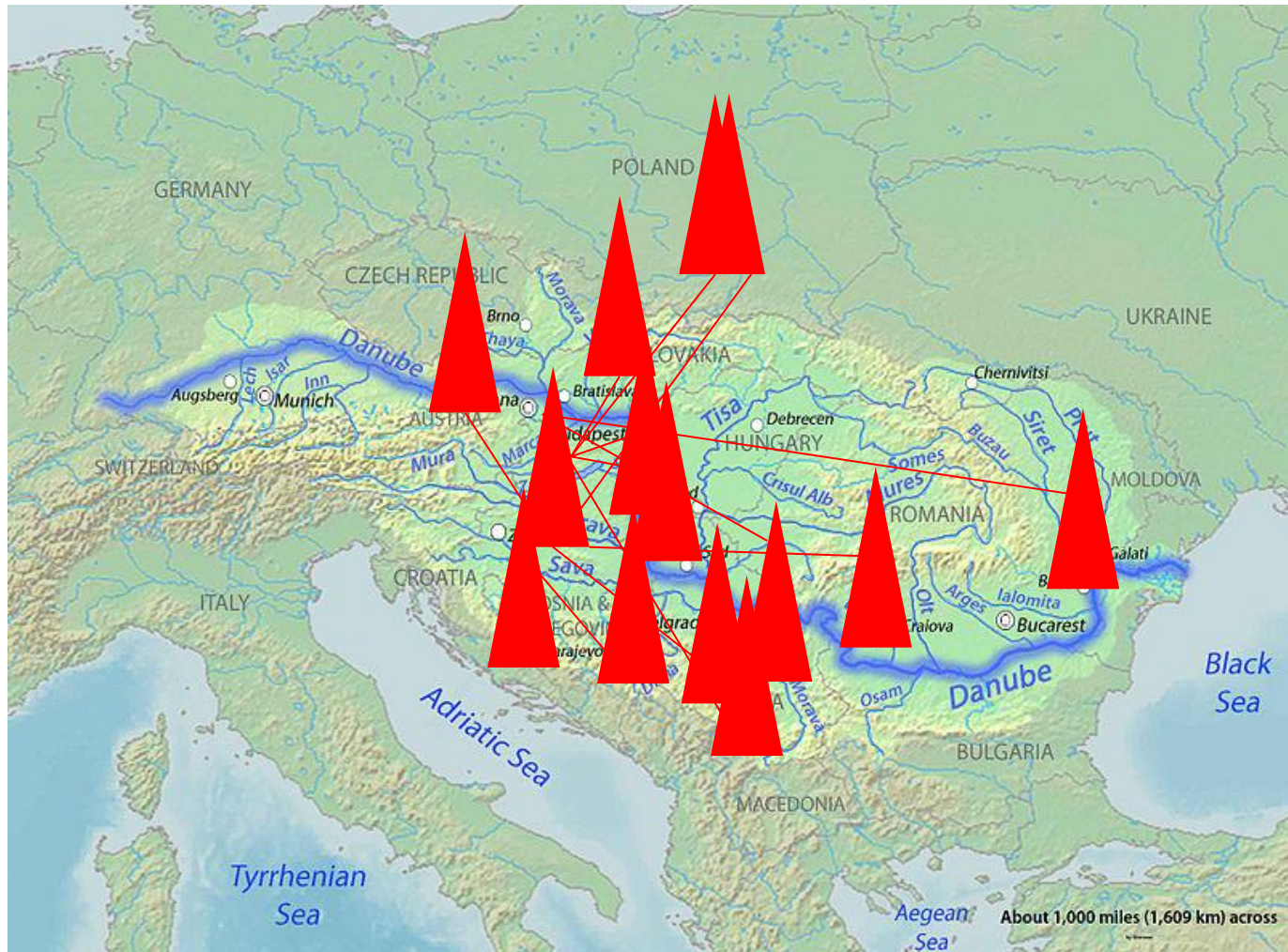
Consortium

- BOKU Wien 
- CULS Prague 
- Szent Istvan University 
- WULS Warsaw 
- Warsaw University of Technology 
- Wroclaw University of Environmental and Life Sciences 
- University of Zagreb 
- Josip Juraj Strossmayer University of Osijek 
- Univ. of Agric. Sciences and Veterinary Medicine Cluj-Napoca 
- Univ. of Agric. Sciences and Veterinary Medicine of Iasi 
- Banat University Agric. Sci. and Veterin. Medicine Timisoara 
- University of Belgrade 
- University of Novi Sad 
- Slovak Agricultural University of Nitra 

Other consortia member might be added as soon as they start to offer the joint degree

CASEE

Consortium



www.ica-casee.eu



Danube AgriFood Master

International Joint Degree Programme Danube AgriFood Master

Sustainable Agriculture
Food Production and Food Technology
in the Danube Region



Danube AgriFood Master

Participating Consortium Members

- BOKU Wien
- Szent Istvan University
- University of Zagreb
- CULS Prague
- WULS Warsaw
- University of Novi Sad
- USAMVBT Timisoara
- SAU Nitra
- Corvinus University Budapest;

***Sustainable Agriculture, Food
Production and Food
Technology in the Danube
Region***

Other consortia member might be added as soon as they start to offer the joint degree



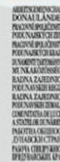
Soil as a filter for pollutants /
soil as a reservoir for carbon

Improving quality of soil by raising soil awareness/
soil as an archive

**European Land
and Soil Alliance**



Our soil
we stand upon it
Nase puda
je pro nás důležitá
A mi földünk
magaszkodunk hozzá
Нашата земя
ни стоимат върху нея
Pământul nostru
cel pe care stăm!
Pământul nostru
cel pe care stăm!
Наше земљиште
нам је јавно важно!
Наша земља
—
на њој ми стојмо!





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Working Community of the Danube Regions

Working Group Sustainability – Soil Protection & Sustainable Land Use

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www.unserboden.at / www.sondar.eu / www.soilart.eu / www.sozialproduziert.at

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