



WORKING COMMUNITY OF THE DANUBE REGIONS

Heads of Governments

Piestany SK, 12 October 2017

Working Group SUSTAINABILITY-ENERGY-ENVIRONMENT, Soil Protection



ARBEITSGEMEINSCHAFT
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PRACOVNÍ SPOLEČENSTVÍ
PODUNAJSKÝCH ZEMÍ
PRACOVNE SPOLOČENSTVO
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MUNKAKÖZÖSSÉGE
RADNA ZAJEDNICA
PODUNAVSKIH REGIJA
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COMUNITATEA DE LUCRU
A STATELOR DUNĂRENE
РАБОТНА ОБЩНОСТ
ДУНАВСКИ СТРАНИ
РОБОЧА СПІВДРУЖНІСТЬ
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

- **ETC-Project CZ-AT "Climate Green** – Adaptation to climate change by means of Green Infrastructure“
- **25. Working Group "Sustainability, Energy and Environment"** focusing on "soil protection and sustainable land use", April 24/25, 2018 in Tulln cooperating with Life Science-Universities in the Danube Region (**CASEE-network**): "Small-scale food production systems (micro-farming): perspectives for sustainable land use"
- **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

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



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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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Working Community of the Danube Regions

Working Group Sustainability – Soil Protection & Sustainable Land Use

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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

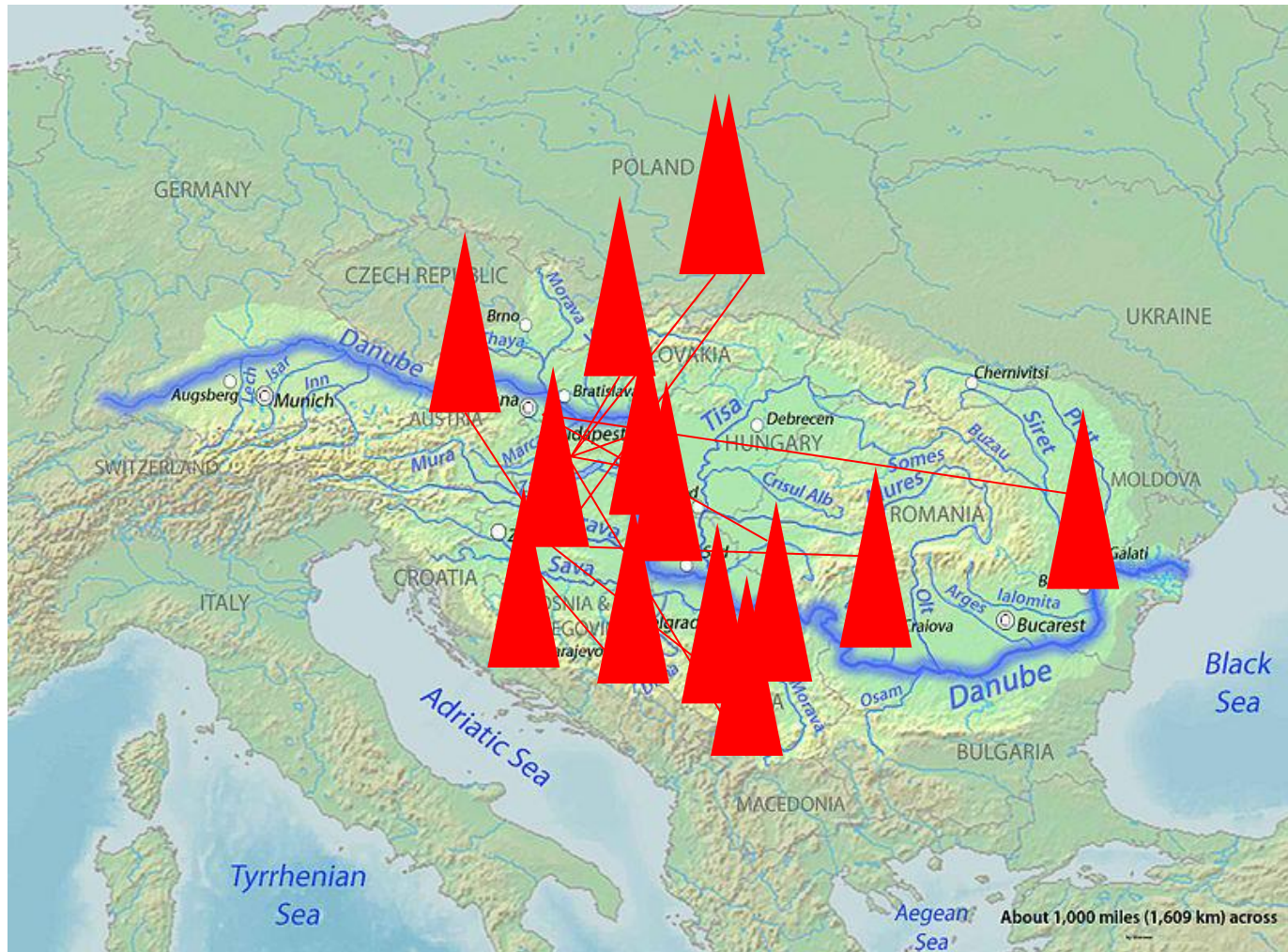
Consortium

- 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



CASEE

Objectives

The **objectives** of network are:

to support the development (and later implementation) of the EU Strategy for the Danube region to strengthen research, education and University Development in this region to develop joint research, educational and other projects (e.g. joint curricula, joint continuous educational offers, structural development, human resource development, QA, know-how-transfer, e.g. via an e-platform)

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



FERTI-MINE

From waste to fertilizer - phosphorus and carbon waste mining as nutrient recycling strategy for the future

A cooperation-RSA with



**Institut für Verfahrens-
und Energietechnik**

Christoph Pfeifer, Denis Soldo



Health and Environment
Gerhard Soja

wpa Beratende Ingenieure



Max Kuderna, Michael Pollak

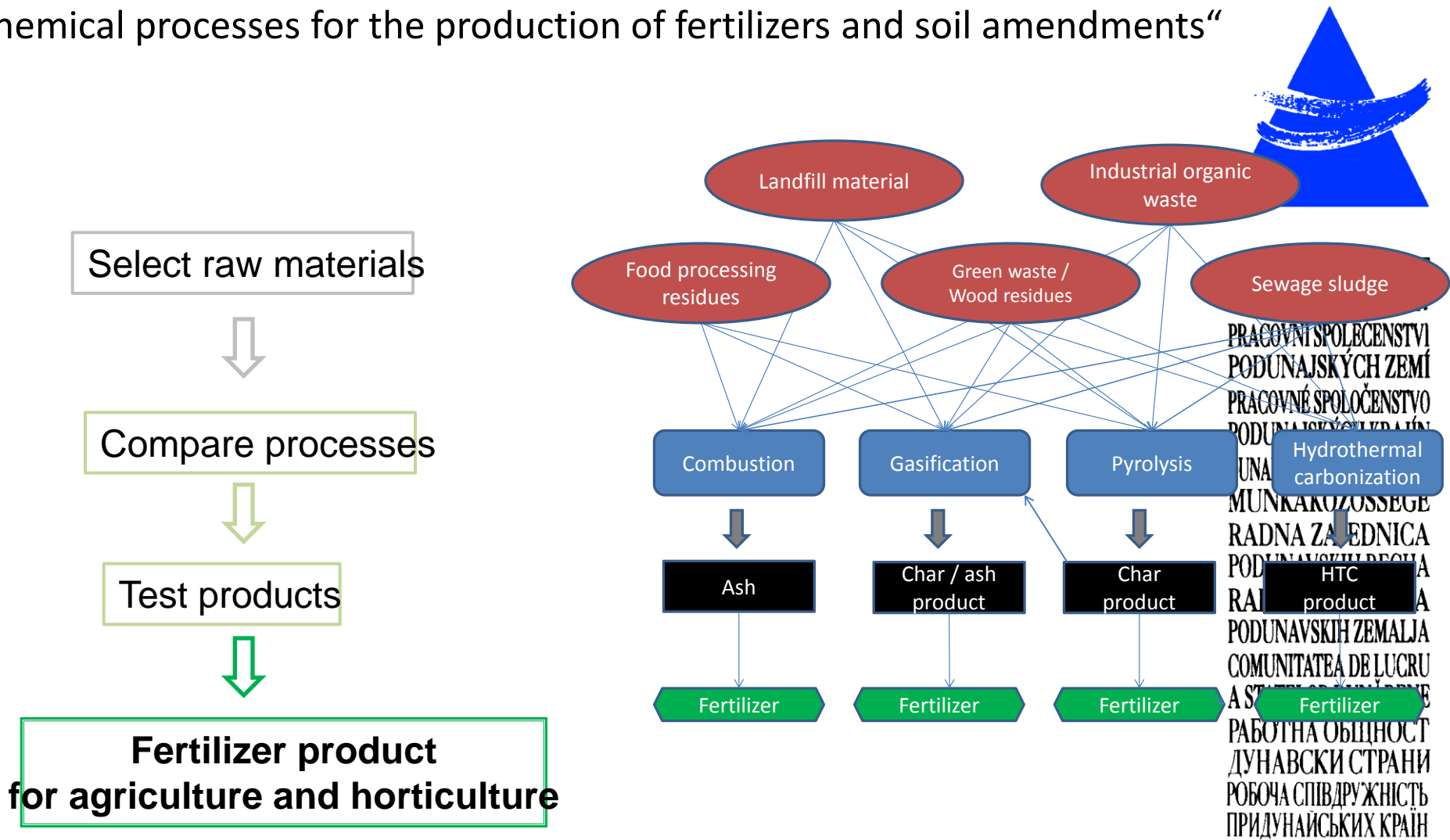
Institut für Bodenforschung

*Walter Wenzel, Franz
Zehetner, Olivier Duboc*

The mission of FERTI-MINE



„Recycling of wastes rich in nutrients and organic carbon by thermo-chemical processes for the production of fertilizers and soil amendments“

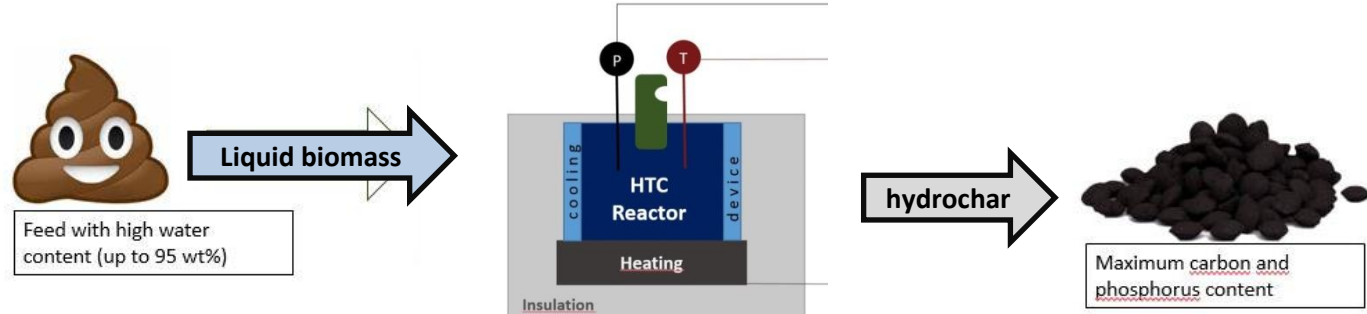


FERTI-MINE

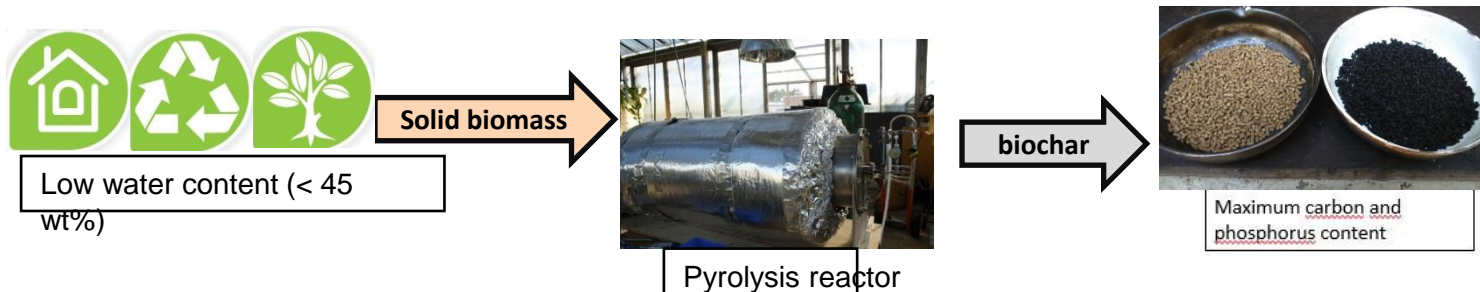
Innovations, Know-how, Expertise



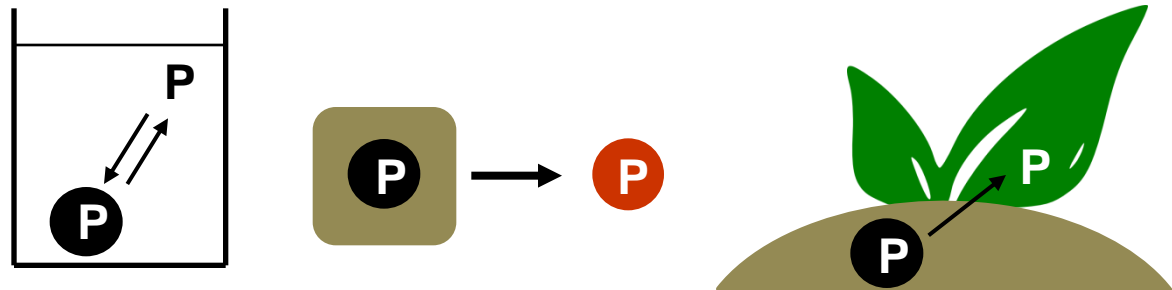
Develop HTC-process



Develop pyrolysis process



Develop fertilizer test battery



FERTI-MINE

The team at your disposal



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wpa Beratende Ingenieure



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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)