



### WORKING COMMUNITY of the DANUBE REGIONS

Working Group "Sustainability, Energy, Environment"

## **SONDAR Soil Strategy Network in the Danube Region**

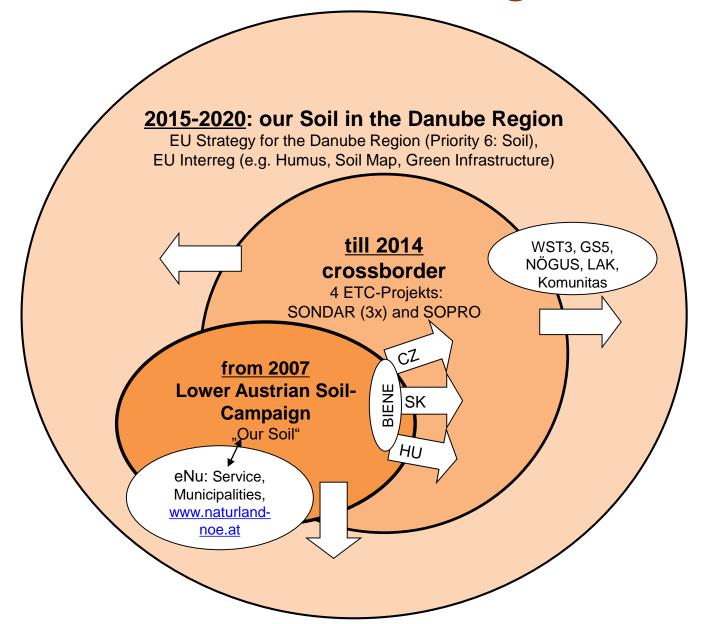
Bucharest, June 26, 2019

DI Dr. Erwin Szlezak, NÖ Agrarbezirksbehörde/Fachabteilung Landentwicklung



ARBEITSGEMEINSCHAFT DONAULÄNDER PRACOVNÍ SPOLEČENSTVI PODUNAJSKÝCH ZEMÍ PRACOVNÉ SPOLOČENSTVO PODLINAJSKÝCH KRAJÍN DUNAMENTI TARTOMÁNYOK MUNKAKÖZÖSSÉGE RADNA ZAJEDNICA PODUNAVSKIH REGIJA RADNA ZAJEDNICA PODUNAVSKIH ZEMALJA COMUNITATEA DE LUCRU A STATELOR DUNARENE РАБОТНА ОБШНОСТ

# **Our Soil in the Danube Region**





#### THE FOUR PILLARS

Connecting the Region			Protecting the Environment			Building Prosperity			Strengthening the Region	
Mobility and multimodality	Sustainable energy	Culture and tourism, People to People	Water quality	Environmental risks	Biodiversity, landscapes, air and soil quality	Knowledge society	Competitive- ness	People and skills	Institutional capacity and cooperation	Security

11 priority areas, coordinated by a priority area coordinator

Actions	Projects
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✓ PA 6 SONDAR Soil Strategy Network in the Danube Region

✓ PA 6, 7, 8, 9 SOPRO Soziale Produktion für die Umwelt

✓ PA 6, 7, 8, 9 SONDAR+ Sustainable Strategy Network in the

**Danube Region** 

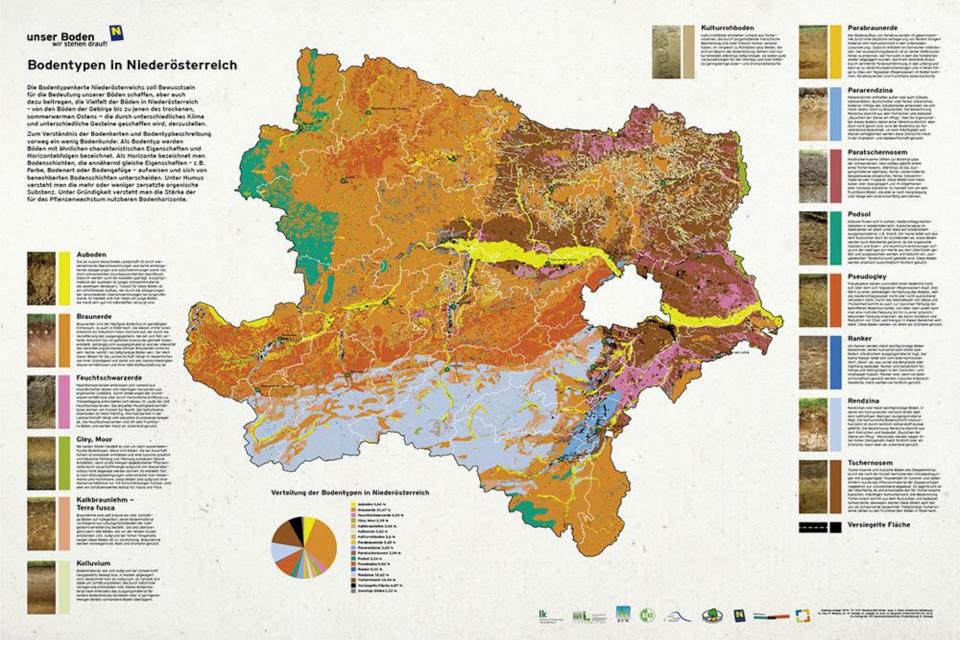
✓ PA 9 BeFoRe Beteiligungsprozesse mit Fokus

**Globale Verantwortung** 

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PAGOTHA OBLIHOCT
JYHABCKH CTPAHI
POGNA CÍBIR PIÝ XHICTE

ПРИДУНАЙСЬКИХ КРАЇН





## **Soil Types in Lower Austria**

# 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**

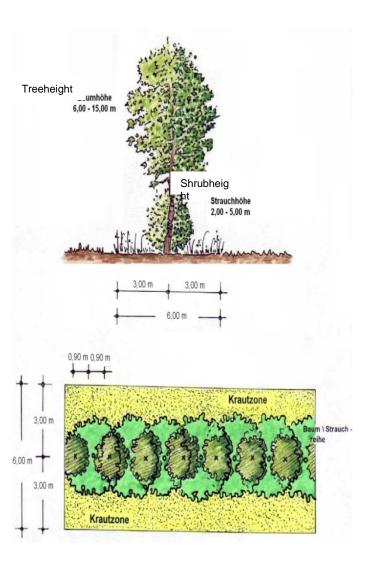
- about 900 greeneries
- on 150 hectares (3 operations per year)
- in 120 cadastral municipalities

#### **Total Stock (since 1958)**

about 3.000 hectares

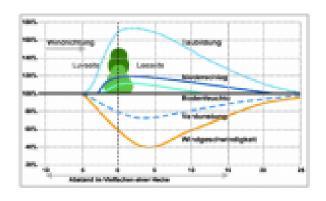
#### Plant Requirement per year

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















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www.soilart.eu



# Action plan NEW, proposals PA6 SONDAR (soil)

### Preservation and improvement of the quality of soils

### **NEW ACTIONS:**

- To establish and maintain shelter belts (hedges) as biotop network systems
- To improve soil fertility
- To harmonize soil maps in the Danube Region
- To take measures for the adaptation to climate change
- To promote micro-farming + production potential of agricultural areas

#### Examples:

- European Land and Soil Alliance ELSA <u>www.bodenbuendnis.org</u>
- SONDAR "painting with the colours of the earth" www.unserboden.

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## On-going projects 2019/2020

- Humus Management and regional Production of Organic Fertilizers (Bio Forschung Austria), on-going project
- <u>LUCASSA</u> (LUCAS SOIL Austria): analysis of soil samples according to standardized methods (Lead Partner: AGES), on-going project
- Alliance of Networks of Sustainability and Health (co-operation with Healthacross): project "HELP Healthy landscape for healthy people"
- Shelter belts as Biotope Network Systems: Assessment and Implementation
- Soil Fertility: area-wide Humus Management and regional Production of Organic Fertilizers provide relevant contributions to the adaption to climate change

## Work Programm 2020, outlook

- Soil Map for the Danube Region
- Adaptation to Climate Change: Protection and Improvement of Green Infrastructure under the aspects of Health and Quality of Life
- Micro-farming: small-scale food production systems, perspectives for sustainable land use
- Production Potential of Agricultural Areas: Assessment of production potentials for Food, Feed and Fibre
  - 27. Working Group "Sustainability, Energy & Environment", April 20/21, 2020, Tulln+ Absdorf + Zinsenhof (AT)
  - "Soil Health" innovate, demonstrate and communicate in cooperation with CASEE, BOKU and Healthacross



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