



**DANUBE REGION**  
**strategy**

# WORKING COMMUNITY OF THE DANUBE REGIONS

## Conference of Heads of Governments

Ulm, 30 October 2015

Working Group SUSTAINABILITY-ENERGY-ENVIRONMENT, Soil Protection



*Soil Protection – Contact: DI Christian Steiner & DI Dr. Erwin Szlezak  
NÖ Agrarbezirksbehörde/Fachabteilung Landentwicklung*

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# EU Soil Framework Directive

- A political and scientific majority in Europe supports a European Soil Framework Directive
- **Blocking Minority** (GE, F, UK, NL, AT)

## Targets:

- **Area-wide soil protection by voluntary measures**
- Working Community supports awareness raising to stick to the Austrian position in the Danube Region (SONDAR-network)



# Our Soil in the Danube Region

## 2015-2020: our soil in the Danube region

EU Strategy of the Danube region (priority 6: Soil),  
EU Interreg „Danube Transnational“ (z. B. Humus, Soil Map,  
Green Infrastructure)

### until 2014 **cross border**

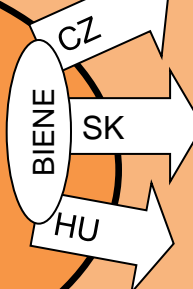
Four ETC-projects:  
SONDAR (3x) and SOPRO

WST3, GS5,  
NÖGUS, LAK,  
Komunitas

### since 2007 **NÖ Soil Campaign**

„our soil“

eNu: service,  
municipalities,  
[www.naturland-  
noe.at](http://www.naturland-noe.at)



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# Soil Strategy Network in the Danube Region

3 ETC-projects between Lower Austria and SK, HU, CZ

## Soil awareness

Sensibly use, carefully protect our soil



[www.sondar.eu](http://www.sondar.eu)

in execution:



Soil as an indicator of flood occurrences

in execution:

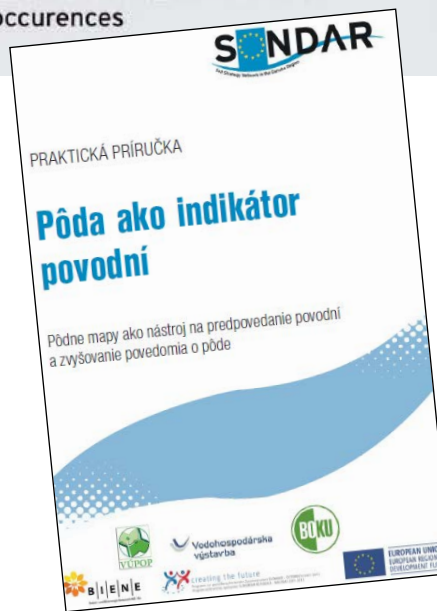


Soil as a filter for pollutants / soil as a reservoir for carbon

scheduled:



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





















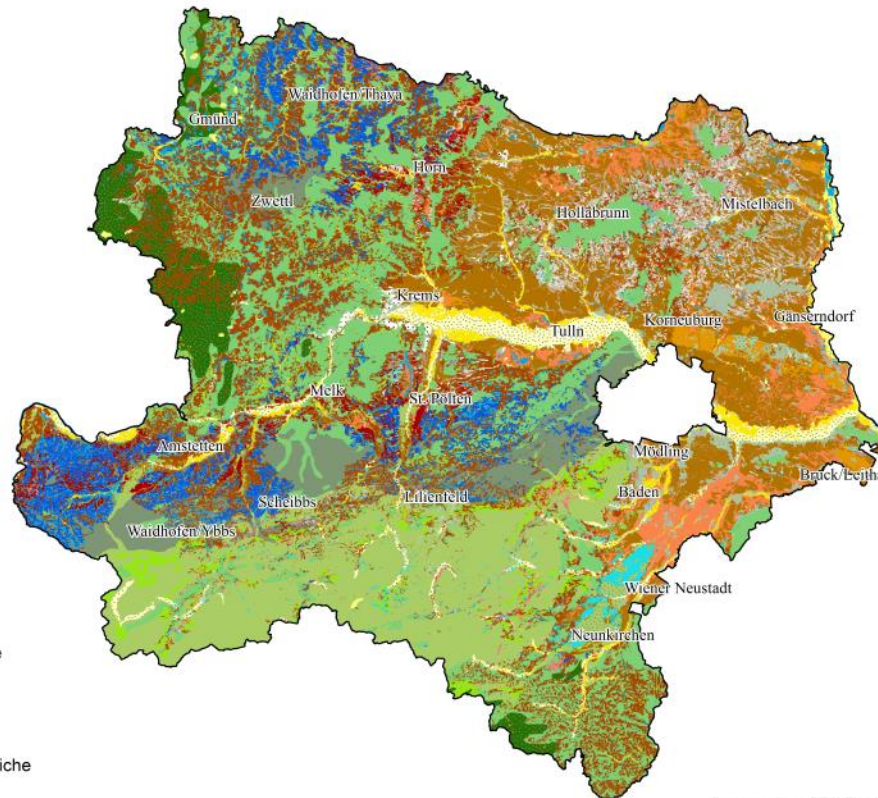
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# Update of the Soil Map of the Danube Countries using the example of Lower Austria

Landwirtschaftlich genutzte Böden  
Waldböden

-  Rendzina
-  Pararendzina
-  Ranker
-  Tschernosem
-  Paratschernosem
-  Braunerde
-  Parabraunerde
-  Podsol
-  Semipodsol
-  Kalkbraunlehm
-  Kolluvisol
-  Kultur-Rohboden
-  Pseudogley
-  Auboden
-  Gleye und Moore
-  Feuchtschwarzerde
-  Solontschak
-  Sonstige
-  Nicht kartierte Bereiche



Datengrundlage: BFW, Till 1937  
 Inhaltliche Gestaltung:  
 W. Wenzel, R. Hösli, P. Strauss, M. Englisch, E. Herzberger, R. Reiter 2013  
 Im Auftrag der niederösterreichischen Agrarbezirksbehörde  
 Projektleitung: Erwin Szlezak



1:1.000.000

0 5 10 20 km



Soil Map of the Danube Countries (origin: Austrian East- and South-East European Institute, Vienna 1984)



# Soil Map

[www.soil-map.eu](http://www.soil-map.eu)

**Sustainable Operations Network in the Danube Region**  
**SON DAR**

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**Intended results:**

- Digital tool to present soil information to the municipalities
- Digital presentation of reference soils and of soils for permanent surveillance
- Different maps: soil quality, soil functions, etc.

➤ *To make the start in Austria and neighbouring countries*

➤ *To share with the Danube Region*

**Partners:**

- ✓ Bodenbündnis
  - ✓ Ordentliche Mitglieder
  - ✓ Assoziierte Mitglieder
- ✓ Bodenzeichen
- ✓ Best Practices
- ✓ SON DAR
  - ✓ CZ
    - ✓ Lead-Partner
    - ✓ Projekt-Partner
    - ✓ Strategische Partner
  - ✓ HU
    - ✓ Lead-Partner
    - ✓ Projekt-Partner
    - ✓ Strategische Partner
  - ✓ SK
    - ✓ Lead-Partner
    - ✓ Projekt-Partner
    - ✓ Strategische Partner
- ✓ CASEE Netzwerk
- ✓ SoPro
  - ✓ Sozialbetriebe
  - ✓ Unternehmen
  - ✓ Öffentliche Einrichtungen
  - ✓ Sozial integrative Landwirtschaft
  - ✓ Projektpartner
  - ✓ Lead-Partner
  - ✓ Strategische Partner

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

1. ... to increase collaboration with existing networks, such as SONDAR Soil Strategy Network in the Danube Region and ELSA European Land and Soil Alliance to disseminate best-practice examples and experiences in the Danube region by annual meetings.
2. ... to provide the results from the lead projects "Humus management and regional production of organic fertilizers" and "raw-materials production for the processing sector" as well as the projects "Soil map – soil information" and "erosion prevention with soil protection systems."
3. At a European level, the idea is ... the integration and proliferation of current and future projects in the context of the EU Strategy for the Danube region and Danube Transnational.





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