



unser Boden
wir stehen drauf!



Eine Initiative von Landeshauptmann Dr. Erwin Pröll
und Landesrat Dr. Stephan Pernkopf

EUREGEO 2012, Bologna

ELSA European Land and Soil Alliance Lower Austrian Soil Campaign

Christian STEINER

Head of Department of Rural Development and
Chairman of European Land and Soil Alliance

European Land and Soil Alliance ELSA

- Ø an association of cities, towns and rural districts together with local authorities
- Ø with the aim of making an active contribution to sustainable soil use
- Ø ELSA promotes awareness raising for soil issues in collaboration with local authorities.



ELSA Manifesto, Bolzano 2000



- we raise awareness for a sustainable use of soils,
- we make every effort to reverse the trend towards land consumption and soil degradation,
- we support educational measures concerning soils and land use,
- we restrict soil and land consumption, direct the settlements development inwards and promote the quality of the settlement management



Target groups of ELSA

- Ø Members are cities and communities
- Ø Associated Members are administrative units, regions, associations, schools, planning agencies, etc.

ELSA currently includes

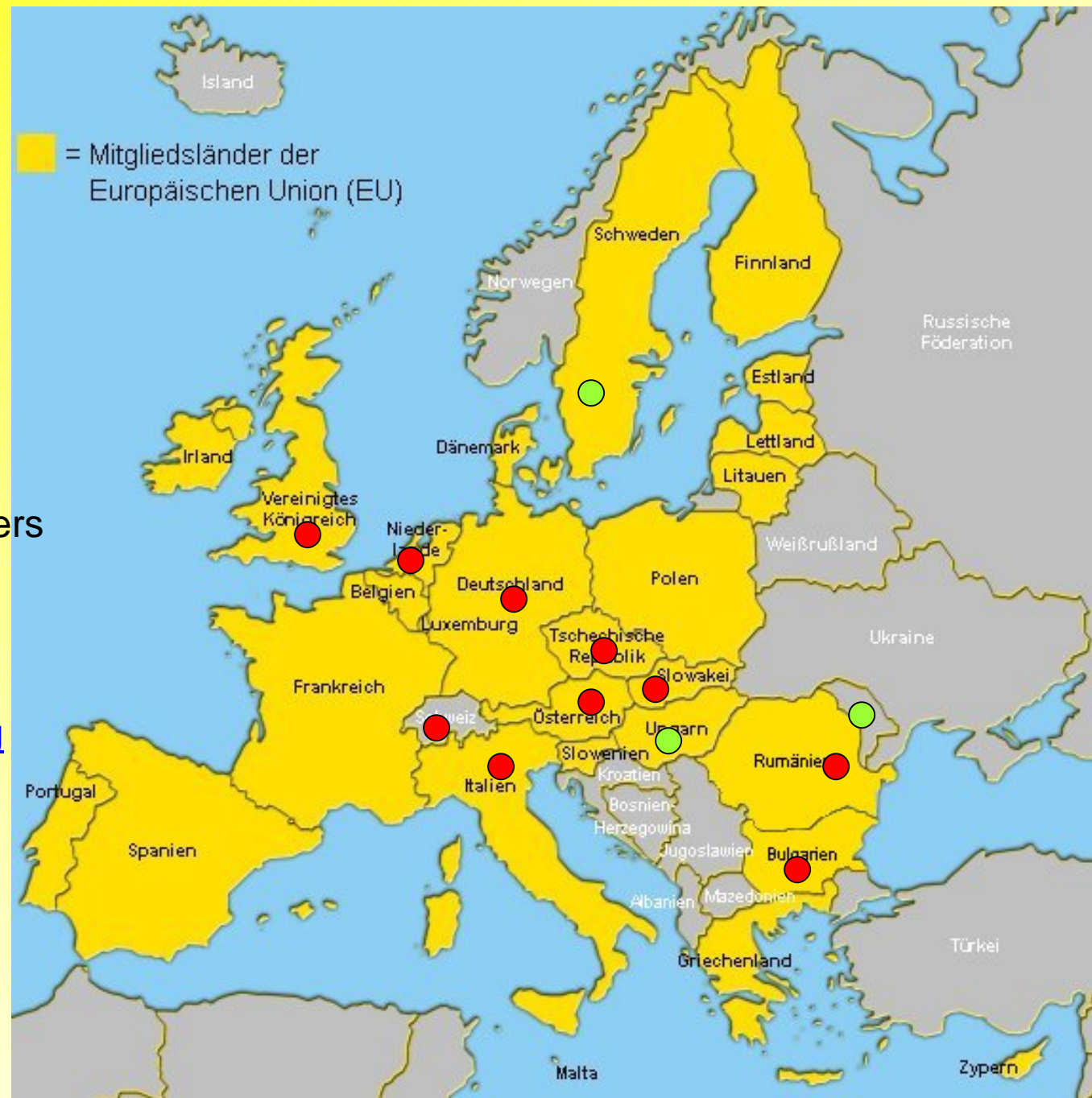
- Ø more than 160 members
- Ø in 10 European countries: UK, NL, GE, CH, IT, AT, since 2010: CZ, SK and since 2012: RU, BG
- Ø altogether more than 8 Mio. people



European Land and Soil Alliance

- States with members
- first contacts

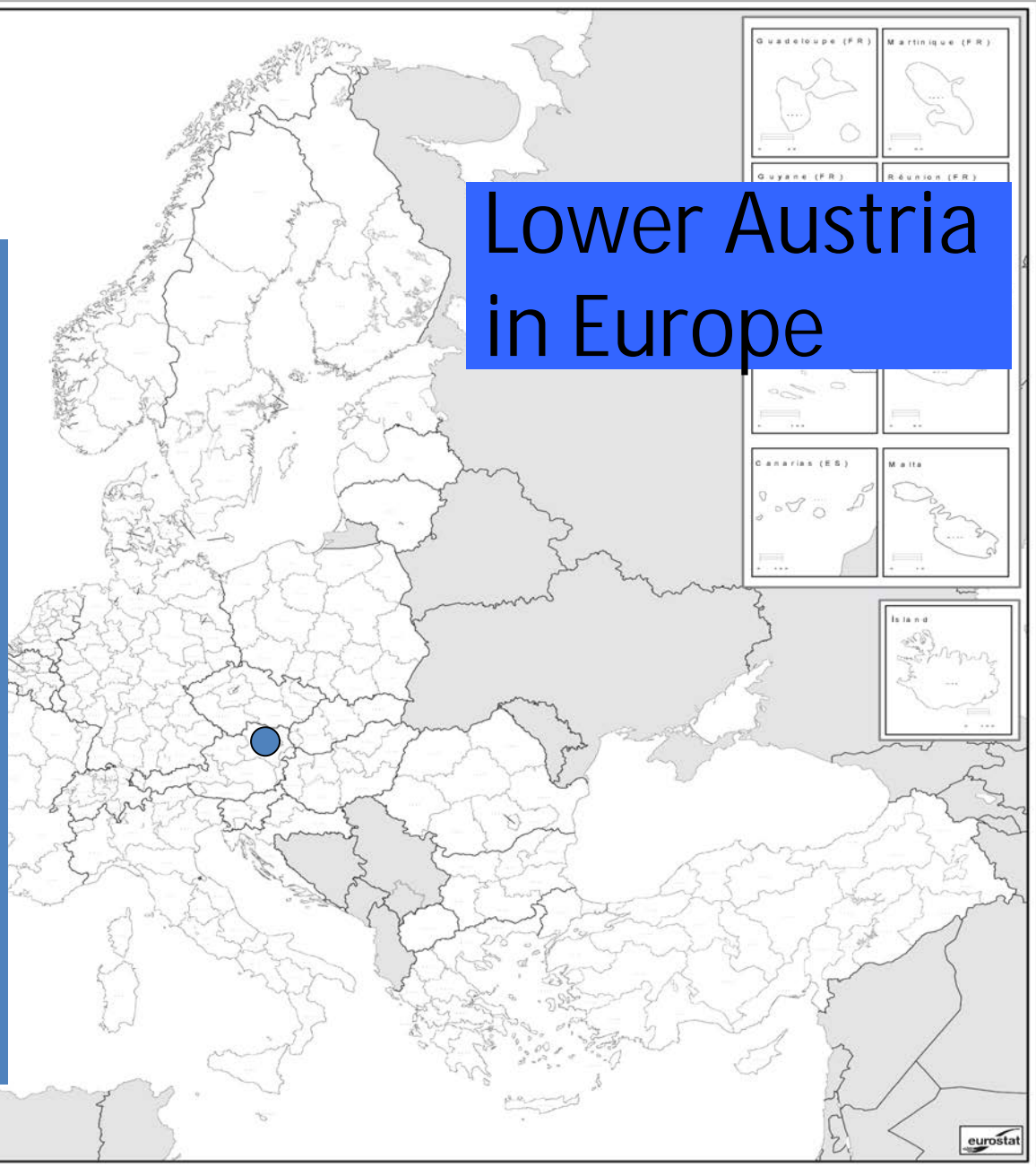
www.soil-alliance.org



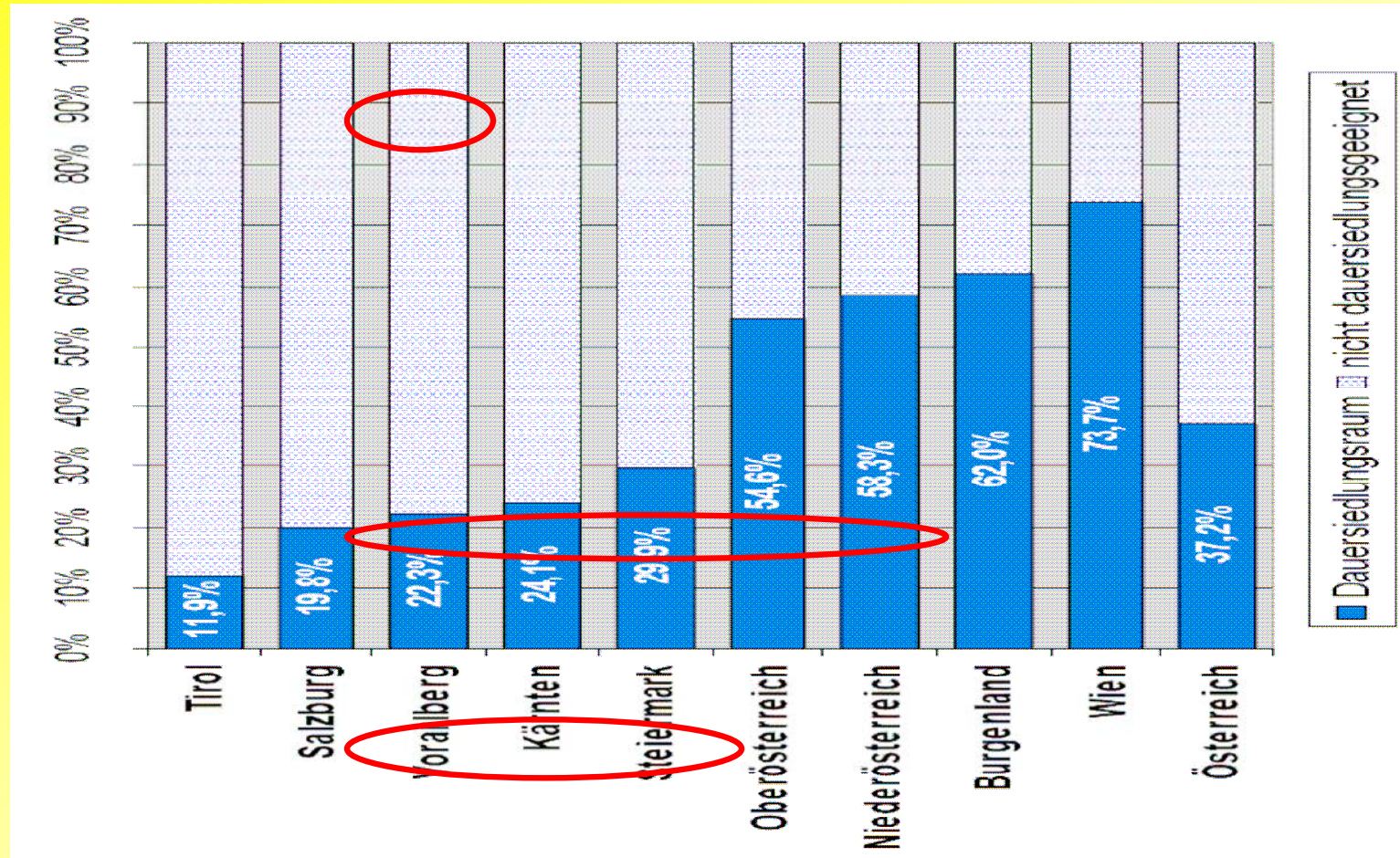
Europäische Union, Kandidatenländer
und EFTA-Länder
NUTS/Statistische Regionen Ebene 2

largest of the nine federal
provinces (19,200 km²)
covers almost one quarter of
the surface area of Austria
offers a lot of wide open
spaces and is therefore
marketed for tourists as the
"wide open country"
Despite the strong growth in
population, Lower Austria
has retained its agricultural
character and comprises
more than 50 % of Austria's
cultivated land.

Lower Austria in Europe



Permanent settlement area in Austria

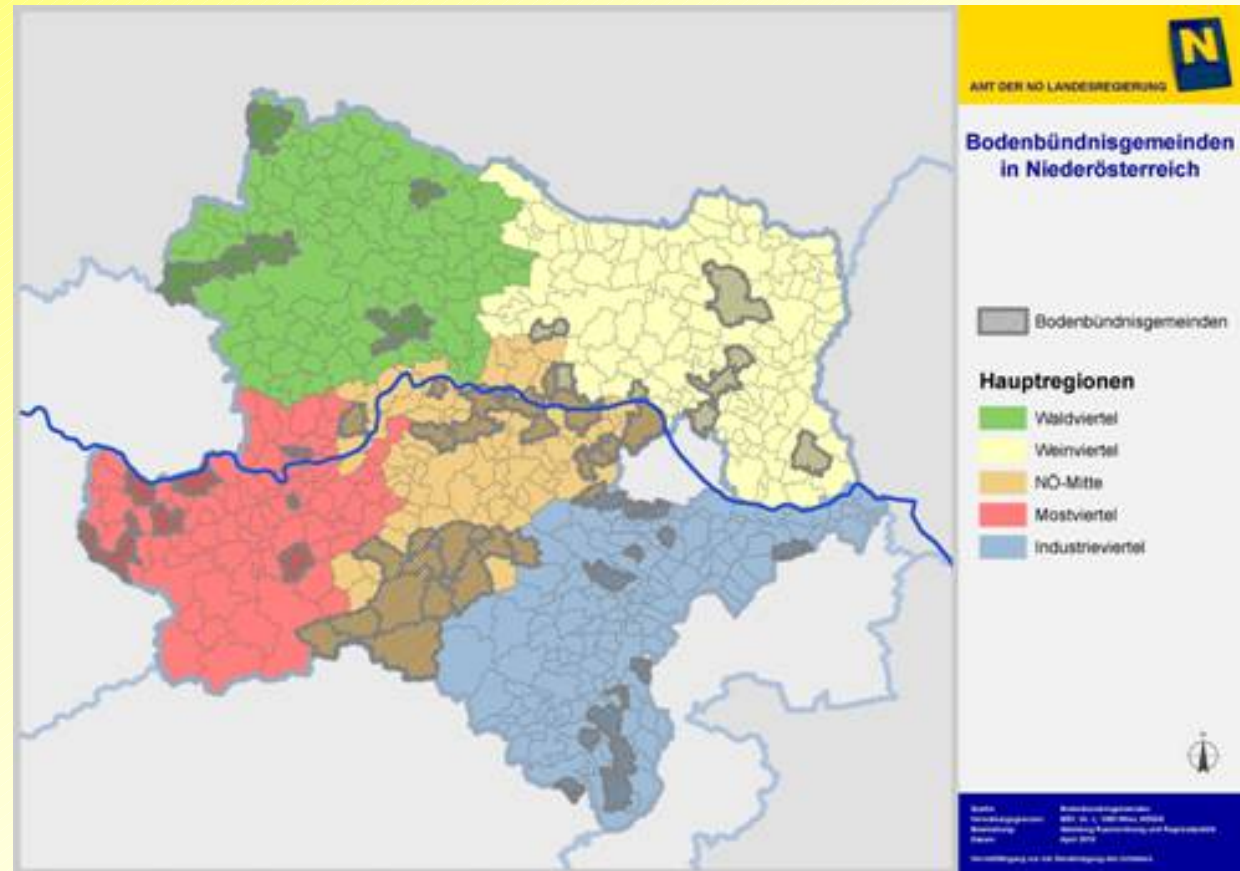


source: BOKU/Institut für Raumplanung und Ländliche Neuordnung auf Basis BEV-Daten

European Land and Soil Alliance in Lower Austria

Lower Austria entered ELSA in 2003 in order
Ø to underscore its soil protection activities and
Ø to set an example for its communities and regions.

68 communities and
14 organizations are
members in the
ELSA network.



Soil Protection in Lower Austria

Since 2007 campaign “unser Boden – wir stehen drauf!”
“our soil – we stand upon it!”

2 main target groups:

Ø children/pupils

Ø cities and municipalities

www.unserboden.at / www.soilart.eu



Awareness raising

painting with colours of the earth

activities/materials:

- box with 5 different earth colours
- soil post cards
- soil sign
- calendar



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	1:1	1:3	1:5
Schwarzerde			
Braunerde A			
Terra			
Braunerde B			
Stadtboden			

example Mistelbach

Cooperation of three departments of the Lower Austrian administration

Steps in the planning procedure



Naturnahe
Oberflächenentwässerung
für Siedlungsgebiete

**Guideline for communities:
Natural surface drainage of
settlement areas**



wasser
niederösterreich

EUREGEO

Schritte im Planungsprozess

Aufgabenstellung		Ergebnis
<ul style="list-style-type: none"> Erhebung der Rahmenbedingungen: <ul style="list-style-type: none"> Widmungsziele Schutzgebiete, Altlasten Flächenverfügbarkeit Verkehrsanbindungen 		<ul style="list-style-type: none"> Ausweisung potenziell geeigneter Flächen Erfassung von Anpassungsbedarf in Flächenwidmung
<ul style="list-style-type: none"> Beurteilung der Flächen <ul style="list-style-type: none"> Topografie Versickerung Retention Vorfluter 		<ul style="list-style-type: none"> Standortwahl Systemvorschlag für Entwässerungsverfahren
<ul style="list-style-type: none"> Zielvorgaben Auftraggeber Datenerhebung Lösungsprozess: <ul style="list-style-type: none"> interaktiv interdisziplinär Finanzierbarkeit 		<ul style="list-style-type: none"> Konzepte für: <ul style="list-style-type: none"> Bebauung Entwässerung Erschließung Freiraumgestaltung Umsetzungsvorschläge
<ul style="list-style-type: none"> Ausarbeitung von Unterlagen für Bewilligungsverfahren durch Fachplaner 		<ul style="list-style-type: none"> Generelle Pläne für: <ul style="list-style-type: none"> Raumordnung Wasserwirtschaft Straßenbau Freiraumgestaltung
<ul style="list-style-type: none"> Ausarbeitung von Unterlagen für die bauliche Umsetzung 		<ul style="list-style-type: none"> Detailpläne für die Bauausführung Grundlagen für die Vergabeverfahren

example Michelhausen

Cooperation of three departments of the Lower Austrian administration

soil / water / future

Boden Wasser Zukunft



...Vorschläge...
...für einen nachhaltigen Umgang mit Boden und Wasser in niederösterreichischen Gemeinden.



Proposals for.... against....

Vorschläge FÜR ...



Bewusstseinsbildung zum Thema Boden und Wasser - bereits in der Schule.



Erosionsschutz durch konservierende Bodenbearbeitung.



Bodenschonende Gestaltung öffentlicher Flächen.



Flächensparende Siedlungsentwicklung, Baulandmobilisierung.

Vorschläge GEGEN ...



- verantwortungslosen Umgang mit Boden und Wasser
- Gleichgültigkeit gegenüber Boden und Wasser



- Erosionsschäden mit hohen Folgekosten für die Gemeinde

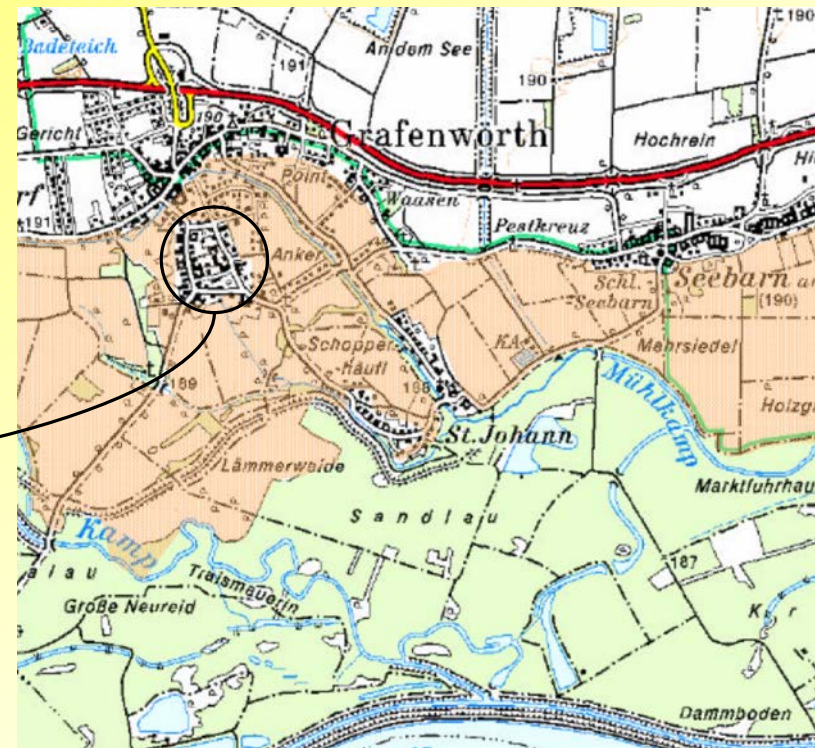
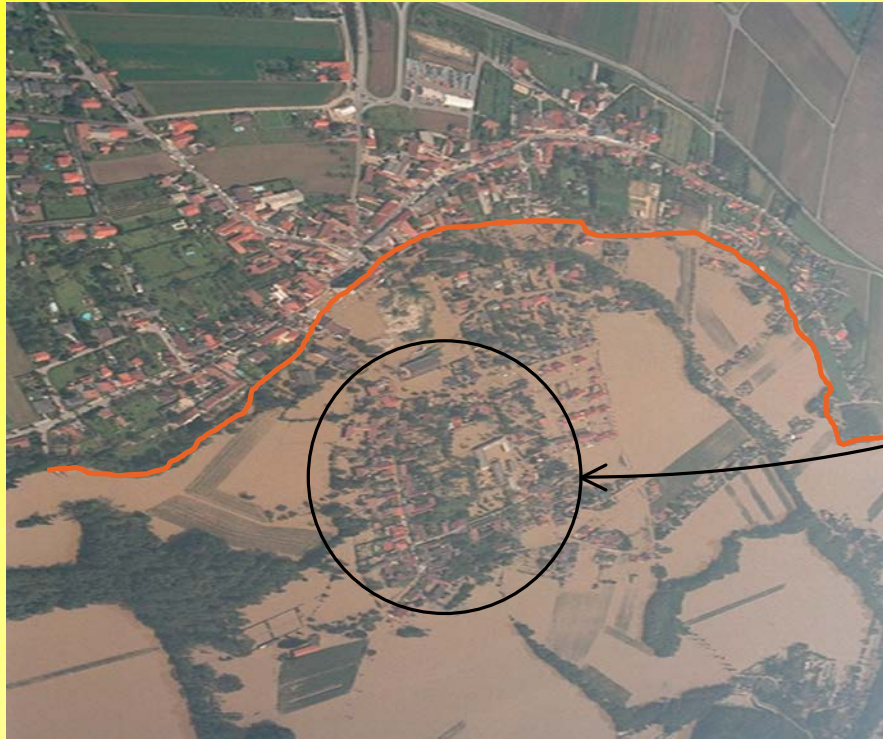


- fehlende Aufenthaltsqualität
- hohe Abflussmengen im Kanal
- schlechtes Kleinklima



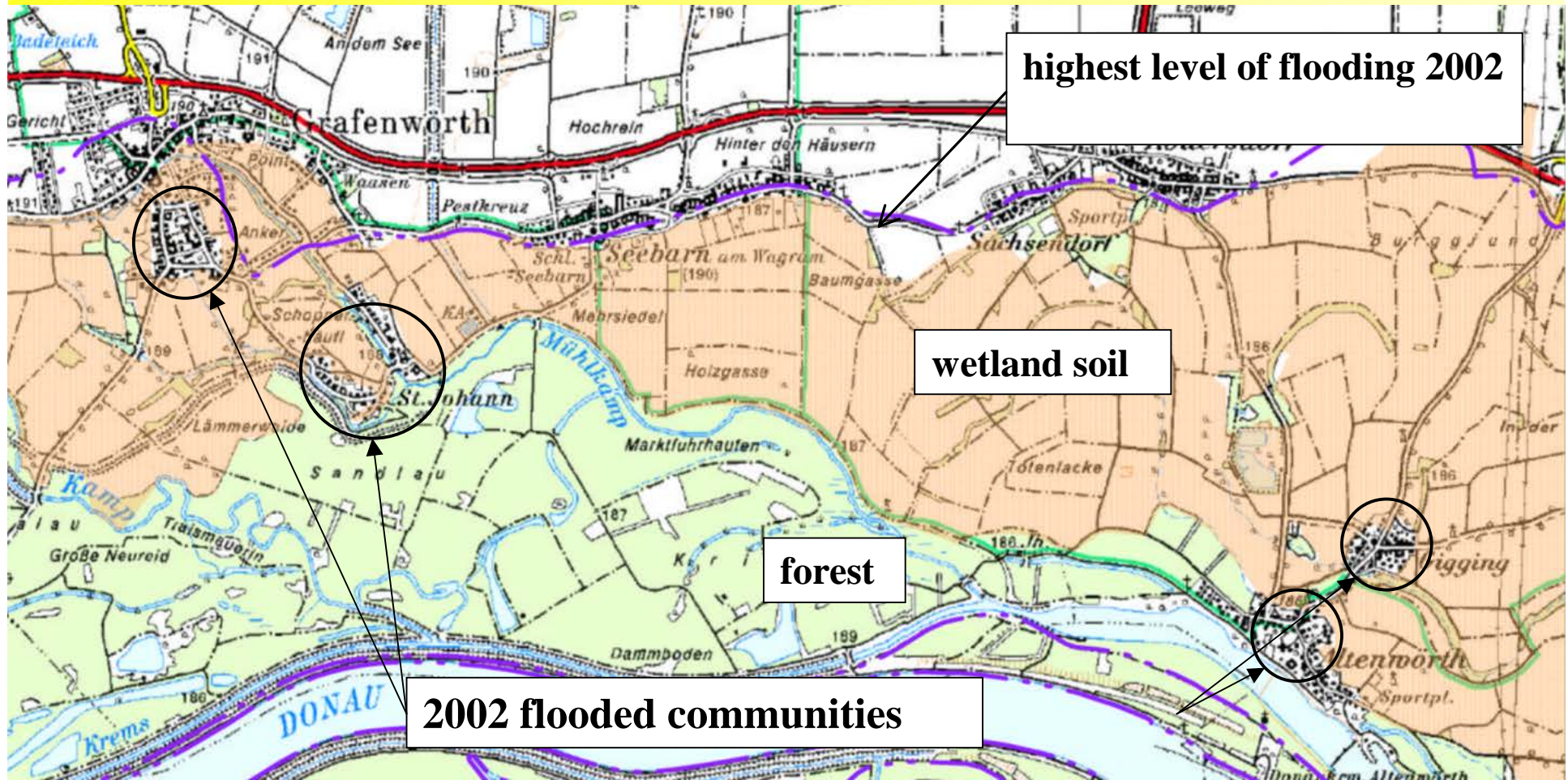
- hohen Bodenverbrauch und hohe Infrastrukturkosten durch Zersiedelung

soil as an indicator



source: wpa Beratende Ingenieure

soil map 1:25.000



Wetland soils correspond with areas of flooding.

Conclusions

- Soils show periods of accumulation during centuries and millenniums.
- Basic soil information is available in Austria all over the country.
- Land taxation maps edited by the Ministry of Finance complement the soil map with specific details.
- Soil classification is suitable especially for the assessment of catastrophies.

>>> instrument for awareness raising

European Strategy for the Danube Region

14 States in the Danube Region:

8 EU-Member States: DE, AT, CZ, SK, SLO, HU, RU, BG

4 „Candidate States“: Croatia, Serbia, Bosnia-Herzegovina, Montenegro

2 „Third countries“: Moldova, Ukraine



ARBEITSGEMEINSCHAFT
DONAULÄNDER
PRACOVNÍ SPOLEČENSTVÍ
PODUNAJSKÝCH ZEMÍ
PRACOVNE SPOLOČENSTVO
PODUNAJSKÝCH KRAJÍN
DUNAMENTI TARTOMÁNYOK
MUNKAKÖZÖSSÉGE
RADNA ZAJEDNICA
PODUNAVSKIH REGIJA
RADNA ZAJEDNICA
PODUNAVSKIH ZEMALJA
COMUNITATEA DE LUCRU
A STATELOR DUNĂRENE
РАБОТНА ОБШНОСТ
ДУНАВСКИ СТРАНИ
РАБОЧА СПІВРУЖНІСТЬ
ПРИДУНАВСЬКИХ КРАІН



Soil Strategy Network in the Danube Region

Soil awareness
Sensibly use, carefully protect our soil

In execution: **SONDAR SK-AT**
Soil as an indicator of flood occurrences

In execution: **SONDAR HU-AT**
Soil as a filter for pollutants / soil as a reservoir for carbon

scheduled: **SONDAR CZ-AT**
Improving quality of soil by raising soil awareness / soil as an archive



www.sondar.eu

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Guideline Re-cultivation

Austrian Ministry of Agriculture, Forestry, Environment and Water Management

Main goals:

- an appropriate re-cultivation
- in accordance with the location
- to avoid compaction, loss of organic material and of soil fertility
- recommendation for planers, authorities, farmers

www.lebensministerium.at



Lower Austrian programme for climate protection

- 6 fields of action
- “mobility and spatial planning”
with several measures
 - traffic-saving spatial planning
 - promotion of cycling and walking
 - development and improvement of public traffic
 -

Facts: half of car trips are less than five kilometres.



<http://noe.gv.at/Umwelt/Klima/Klimaprogramm>



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Thank you for your attention!

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