





# Priority areas - critical review

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# priority areas



- Art 2 (7): "priority areas" means areas where there is decisive evidence, or legitimate grounds for suspicion, that one or more soil degradation processes exceeding the level of risk acceptability referred to in Article 6(2)(b) is occurring or is likely to occur in the near future;
- Art 6 (2)(c): Member States shall identify priority areas on their national territory, at the appropriate level and geographical scale, that exceed the levels of acceptability established in point (b)

# action progammes



 Art 8 (1):...Member States shall, in respect of the priority areas identified ...draw up, at the administrative level and geographical scale that they consider appropriate, an action programme...



# **Delineation of priority areas**



- Despite Annex 1: no explicit guideline for delineation of priority areas
- If not comparable will it be left to individual member states though?
- measures to be taken with respect to delineated area?
- reporting?



# Annex 1

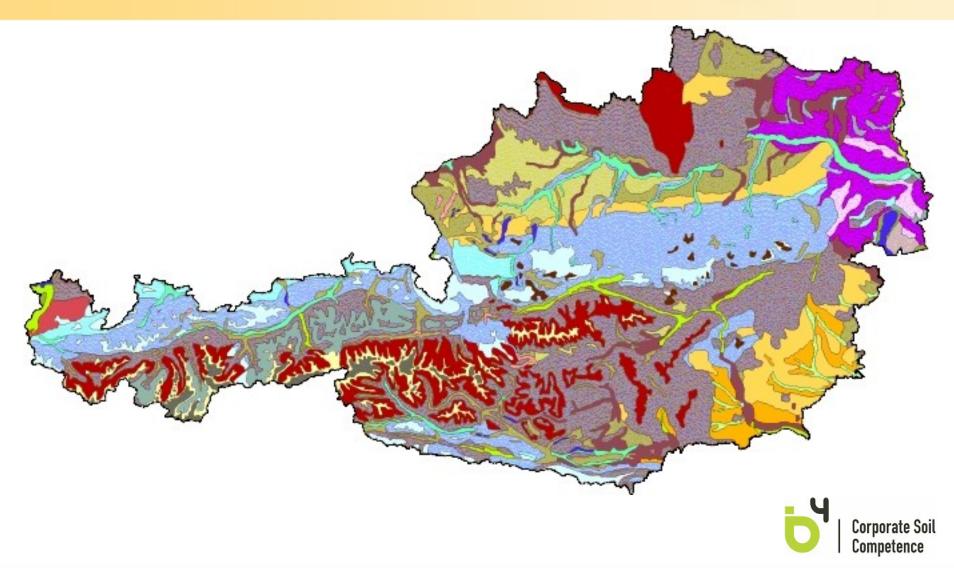
Common elements for the identification of areas at risk of erosion

\* soil typological unit

0 500 m

# soil map of Austria





## STU's



		FAO - UNESCO,* version 2.0	Österreichische Bodensystematik 1969	Österreichische Bodensystematik 2000	World Reference Base for Soil Resources 1998 (Auswahl) Referenz-Bodengruppe(n)/ Untereinheiten			
1		*	Ealahraunarda Laakaraadimanthraunarda	Contractificia Decimando Contractificia	Cambinals/ lantic vartic stagnic alords			
2	<b>22 STU's on national level</b>							
3	ZZ 310 5 OII Hational level							
4	Ch	Haplic Chernozem	Paratschemosem	Carbonatfreier Tscherosem	Chernozems/ siltic, haplic			
5	Ck	Calcic Chemozem	Tschemosem	Carbonathaltiger Tschemosem, Carbonathaltiger Brauner Tschemosem	Chernozems/ Kastanozems; chernic, calcic, siltic, vermic, haplic			
6	Ec	Cambic Rendzina	Eurendsina, Pararendsina; verbraunt, teils Braunlehm	Rendzina, Kalklehm-Rendzina, Pararendzina mit allen Subtypen; verbraunt	Leptosols, Cambisols/ lithic, gleyic, rendzic, mollic, calcaric, eutric, haplic			

### but:

# 50 – 60 units per survey area, more than 200 areas!

18	Po	Orthic Podzol	(Typ.) Podsol	Podsol, Staupodsol und alle Subtypen	Podzols/ gleyic, stagnic, histic, umbric, skeletic, haplic
19	Rc	Calcaric Regosol	Kulturrohboden aus kalkhaltigem Material	Carbonathaltiger Feinmaterial-Rohboden, Carbonathaltiger Kultur-Rohboden	Arenosols, Regosols/ leptic, anthropic, gleyic, calcaric, eutric, haplic
20	Sm	Mollic Solonetz	Solonetz, teils Solontschak-Solonetz	Solonetz, teils Solontschak-Solonetz; aggradiert	Solonetz, Solontschak/ vertic, gleyic, salic, mollic, gypsic, calcic, stagnic, humic, haplic
21	Wd	Dystric Planosol	(Typ.) Pseudogley, Stagnogley, Hangpseudogley, Reliktpseudogley; oligotroph	Typischer Pseudogley, Stagnogley, Hangpseudogley, Hatinasse-Pseudogley; Reliktpseudogley, carbonatfreie Varietäten	Planosols/ gleyic, luvic, umbric, albic, dystric, haplic
22	We	Eutric Planosol	(Typ.) Pseudogley, Stagnogley, Hangpseudogley; eutroph	Typ. Pseudogley, Stagnogley, Hangpseudogley, Haftnässe-Pseudogley, Reliktpseudogley, carbonathaltige, tells auch carbonattreie Varietäten	Planosols/ gleyic, luvic, albic, eutric, haplic
		Water body	See		
	г	Rock outcrop	Anstehendes Gestein, Gletscher		



# soil survey areas





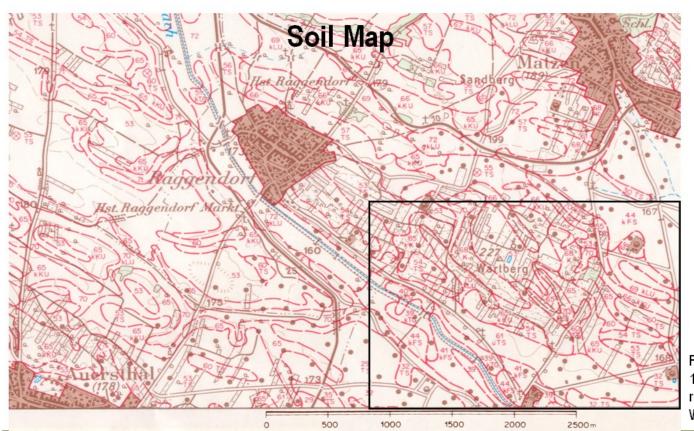


#### Indirect instructions what has to be taken into consideration:

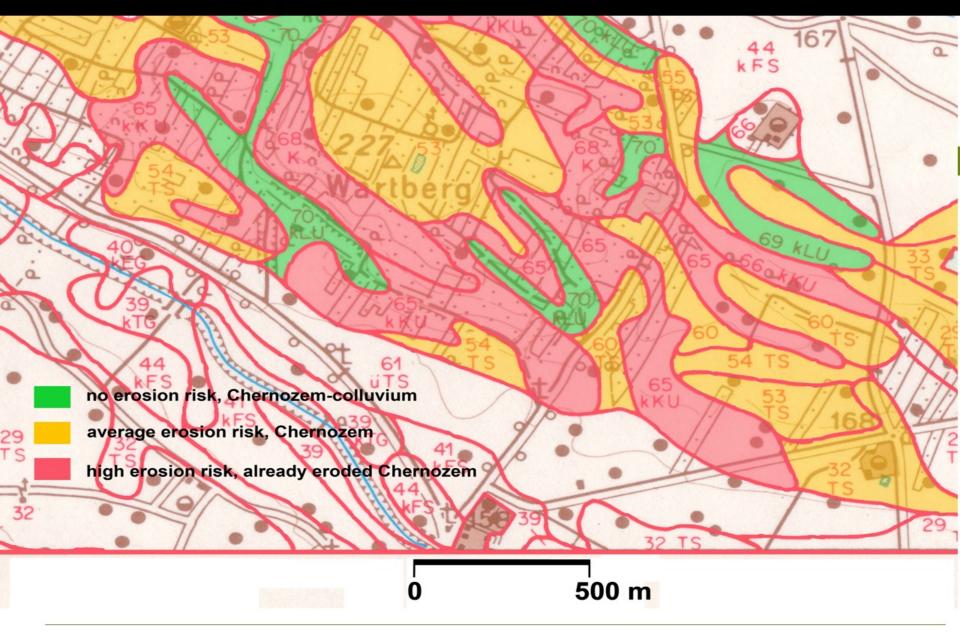




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Ref.: Österreichische Bodenkarte 1:25.000, AGES reprocessed by Wieshammer-Zivkovic M.F.



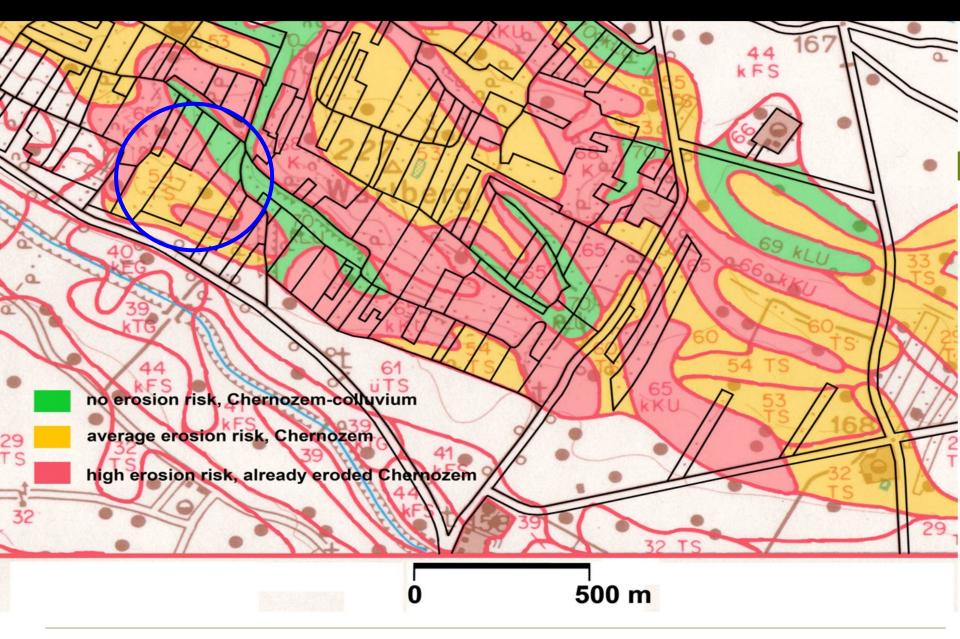
# Annex 1

Common elements for the identification of areas at risk of erosion

# no erosion risk, Chernozem-Colluvium C COVET

- average erosion risk, Chernozem
- high erosion risk, alread rod a late C USE

0 500 m

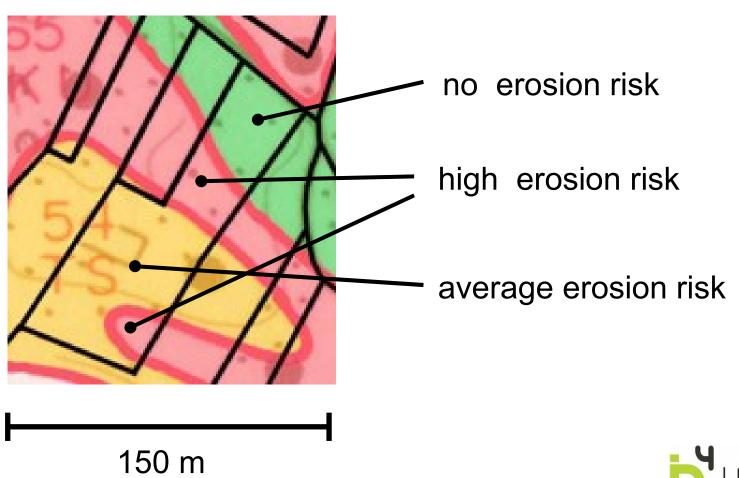


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# Single plot





# priority areas - small scale



### Possible consequences:

- further mapping action
- overlay of soil maps and land register contents
- resulting in a spatial pattern of priority areas at the plot level all over the country
- measures on a similar scale as priority areas at the plot level?
- administration of measures at this level time consuming and cost - intensive



# priotity areas - big scale



## Possible consequences:

- individual allocation to priority area problematic may be even counter productive (exclusion from subsidy programs, sanctions?)
- no positive effect concerning soil protection!
- big scale may only give an overview to raise the awareness (are data sufficiently available in all of the MS?)
- Overlapping of threats!



# **Annex 1 - parameters**



- not all parameters suitable from a scientific point of view, e.g.
- erosion:
   hydrological conditions, agro ecological zone
- decline of organic matter: soil typological unit
- partly due to the incomplete citation from the original publication by the ESB





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