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Swiss Confederation

Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN
Substances, Soil and Biotechnology Division

Status of Swiss Soil Data – Collaboration with the ESDAC

4./5.3.2009

fabio.wegmann@bafu.admin.ch



- The FOEN is an Office in the Federal Department for Environment, Transport, Energy and Communication
 - The FOEN is the Federal Authority for the Environment
 - We report to the Federal Councillor M. Leuenberger
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- We are principally responsible for the Swiss National Soil Observation Network (NABO)
 - We maintain the Swiss Network for Environmental Observation (NUS), together with the cantonal agencies
 - We are currently implementing a Soil Information Database (NABODAT), scheduled to go online in 2010

<http://www.bafu.admin.ch/index.html?lang=en>



- *For DG ENV*
 - Support for development of guidelines on risk identification: **OK**
 - Support for development of guidelines on data quality: **(maybe)***
 - 1:250'000 European Soil Database: **OK**
 - Risk maps for different soil threats: **OK**
 - Support smooth integration of EEA → ESDAC: **NO****
- *For EEA*
 - Data & maps on SOC, compactation, salinisation, ...: **partly*****
 - Progress on contaminated sites management: **(maybe)**
 - Follow-up for soil country analysis: **(OK, but restricted resources)**

*: The implementation of INSPIRE in Switzerland is at early stages.

** : AFAIK, there is currently no soil/cont.sites data at the EEA for Switzerland

***: some areas, such as salinisation, are not viewed as critical in Switzerland



Availability of data – temporal :

Contribution

- *For DG ENV*
 - Support ...risk identification: **immediately**
 - Support ...data quality: **(immediately, via NABO)**
 - 1:250'000 European Soil Database: **immediately**
 - Risk maps for different soil threats: **in development, later**
 - Support smooth integration of EEA → ESDAC: **NO**
- *For EEA*
 - Data & maps on SOC,...: **after NABODAT**
 - Progress cont. sites manag.: **(on a yearly basis) (?)**
 - Follow-up for soil country analysis: **(OK, but restricted resources)**

Data characteristics can be taken from the NABODAT data model



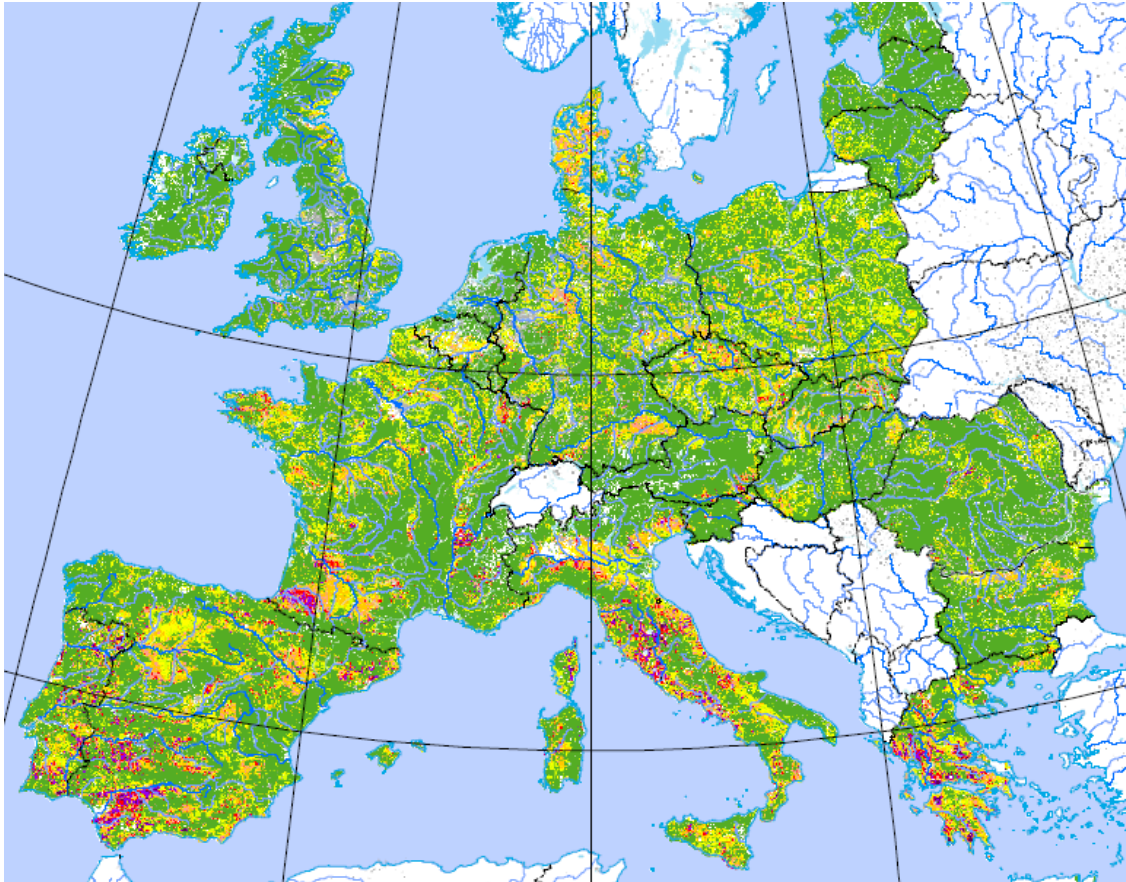
How to collaborate:

- *Unfortunately, I am unaware of the details on how the contaminated sites dataflow collaboration is approached.*
- In Switzerland, there will be the possibility to access open environmental information within the DaZu project, which allows customised database queries to and reports from the central env. data storage. This may be useful for 'simple' results.
- Complex inquiries may have to be carried out by or with help from either the NABO and/or the FOEN.
- Methodological discussions should be hold together with the European Soil Bureau Network (NABO is the Swiss delegate therein)
- Switzerland is open for all suggestions on how to collaborate on the basis of mutual respect and understanding. There may be, unfortunately, restrictions due to missing resources.



Particular needs/interests of Switzerland:

- Switzerland seeks participation in soil projects to avoid the “Willisauer Ringli” effect (a coloured map of EU soils, with a white Switzerland in the middle; i.e. LUCASSOIL, ENVASSO, PESERA)
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- Switzerland seeks participation in soil projects to avoid the “Willisauer Ringli” effect (a coloured map of EU soils, with a white Switzerland in the middle; i.e. LUCASSOIL, ENVASSO, PESERA)
- Switzerland, as ‘data owner’, requests being consulted if ‘something’ is created using data from Switzerland.
- As our resources are limited, we ask being informed about required activities as early as possible.
- We would like to express our wish that redundancies between data deliveries to EEA and ESDAC are minimised
- We would be grateful to be involved/informed about activities in the area of *pedotransfer functions / thematic maps*



Swiss Implementation of INSPIRE:

- INSPIRE is not explicitly mentioned in any of the sectoral contracts Switzerland – EU
- The Federal Act on Geoinformation (in force as of July 08) is fully compliant to the INSPIRE directive
- Represents a similar legal basis to Switzerland as the national acts (as legislative transposition of the INSPIRE directive of the MS) will do for the EU Member States in May 2009
- There is a Swiss national INSPIRE contact point, tasked with various activities concerning INSPIRE
 - Christine Giger, christine.giger@mac.com



Swiss INSPIRE implementation – Soil Aspects: ^{INSPIRE}

- INSPIRE is not directly ‘applied’ – e.g. in NABODAT
- However, as NABODAT, the Swiss Soil Information Database, will have a ‘spatial’ component, it will have to fulfill the requirements of the Swiss Federal Law on Geoinformation
- Next steps (after realisation of NABODAT) will be the creation of a “minimal data model” for soil data (deadline 2011 or so). This will be based on the NABODAT data model.