



Revised ISO 28258 soil data exchange model - consequences for INSPIRE

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Outline

- Who works on it? Why INSPIRE Theme Soil possibly affected?
- Comparison of the data models
- Changes of revised ISO model

- Are they more similar now?
- Data or meta-data?
- Conclusions



The people behind: joined ISO/IUSS working groups

ISO TC190 SC1 WG3

"Soil Quality" - "Data codification and management"

since 2006

ISO 28258 "Digital exchange of soil-related data", Sep. 2013

→ covers ± data exchange on various levels



IUSS WG SIS

"Soil Information Standards"

approved August 2010, first output 2013

link to

OGC Technical Committee

Agriculture Domain Working

Group



Revised ISO – why consequences for INSPIRE?

Pros

- INSPIRE initially based on ISO ideas
- ISO → OGC → world-wide data exchange

Cons

- INSPIRE is EU legislation
- INSPIRE has a more data product oriented approach

ISO

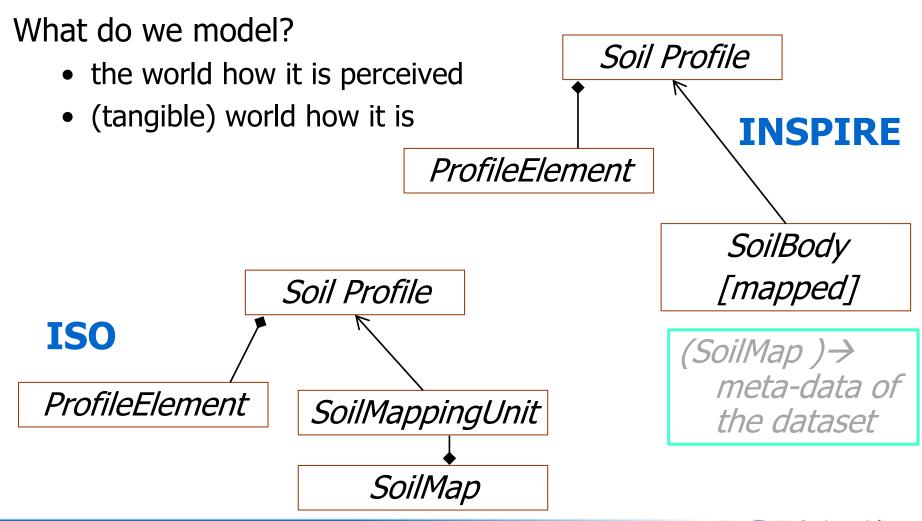
INSPIRE INSPIRE

- directly soil-related data
- no derived information from soil data, no raster data
- model usable from data preparation to final data product
- parameter to be defined by the data provider, simple
- more flexible, even for scientific use

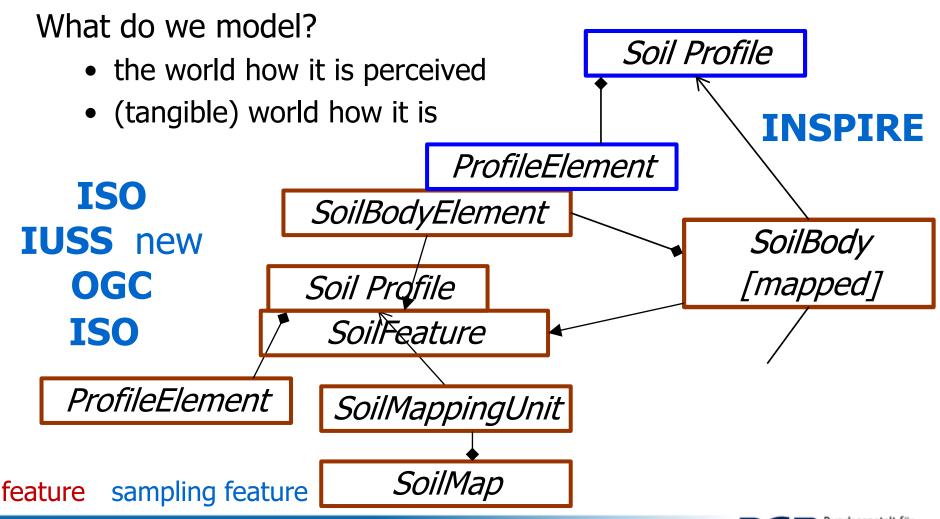
- less detailed soil-related data
- derived data, incl. raster data
- focuses on data products and their use, delivery of data to users
- more formal procedures for parameter definitions, use of registries
- main features and their relations similar
- both need extension by data provider



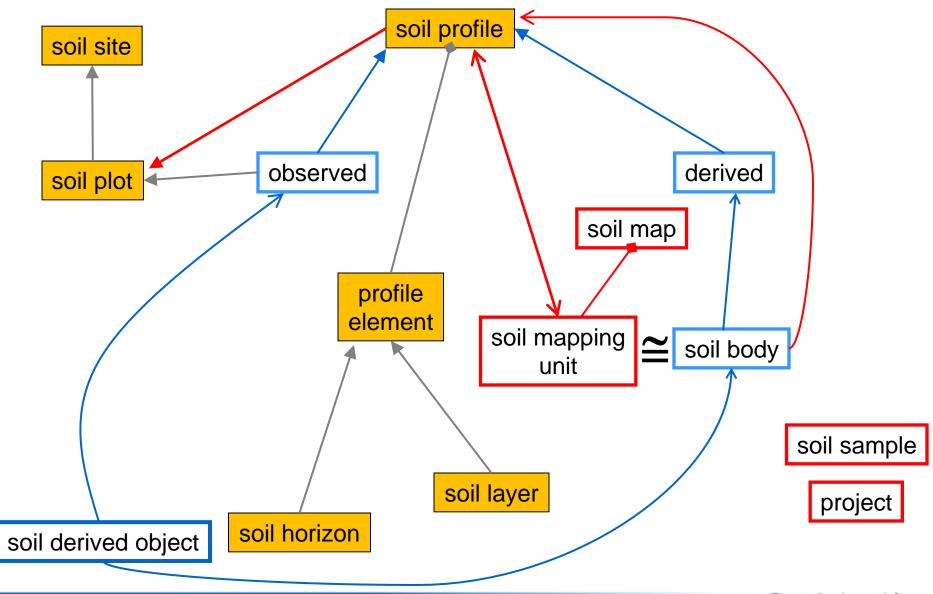
ISO 28258 — proposed changes of the data model



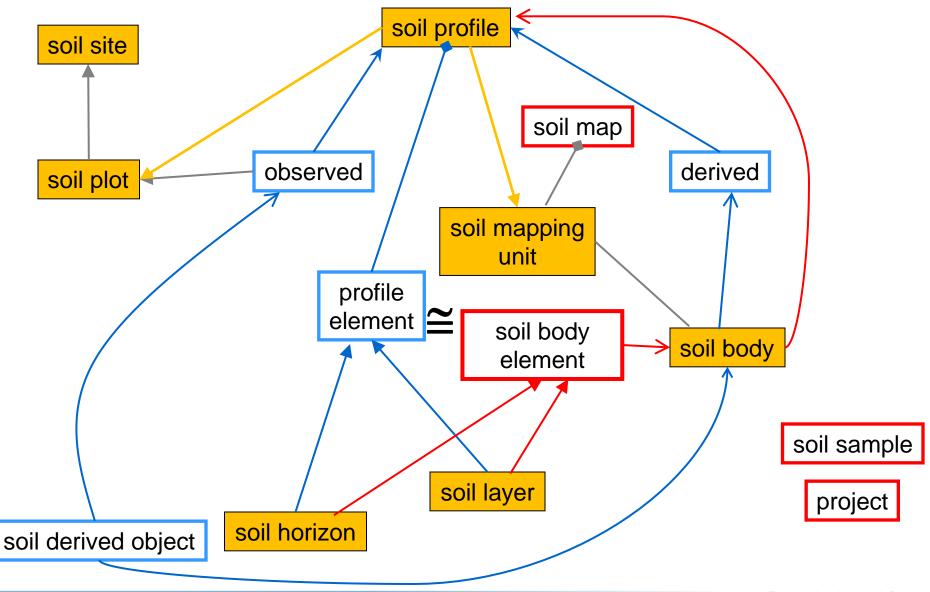
ISO 28258 - proposed changes of the data model



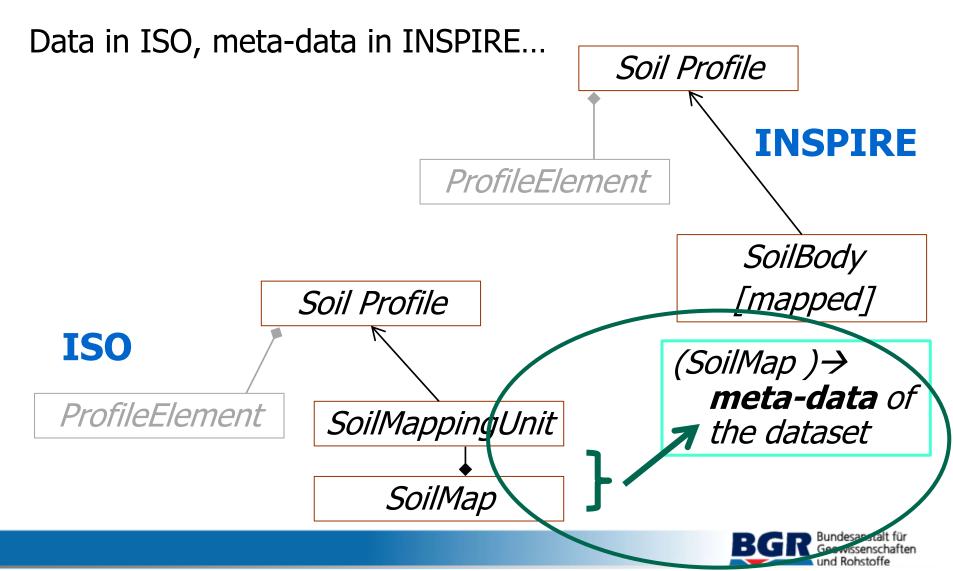
INSPIRE SO v3.0 vs. ISO



INSPIRE SO v3.0 vs. ISO (revised)



Data/meta-data 'boundary'



Conclusions

- ISO and INSPIRE not more similar
- relationship between features even more complicated
- revised ISO 28258 → tangible world INSPIRE DS Soil → soil as perceived
- different scopes → data/meta-data 'boundary'
- keep INSPIRE connected worldwide (IUSS, OGC)
 → keep up discussion regarding changes of data
 - model



Thank you ...



... for your attention!

