

SLOVENSKI STANDARD
SIST EN ISO 28258:2014/oprA1:2017
01-november-2017

Kakovost tal - Digitalna izmenjava podatkov o tleh - Dopolnilo A1 (ISO 28258:2013/DAmD 1:2017)

Soil quality - Digital exchange of soil-related data - Amendment 1 (ISO 28258:2013/DAmD 1:2017)

Bodenbeschaffenheit - Digitaler Austausch bodenbezogener Daten - Änderung 1 (ISO 28258:2013/DAmD 1:2017)

Qualité du sol - Échange numérique de données relatives au sol - Amendement 1 (ISO 28258:2013/DAmD 1:2017)

Ta slovenski standard je istoveten z: EN ISO 28258:2013/prA1

ICS:

13.080.01	Kakovost tal in pedologija na splošno	Soil quality and pedology in general
35.240.70	Uporabniške rešitve IT v znanosti	IT applications in science

SIST EN ISO 28258:2014/oprA1:2017 en,fr,de

DRAFT AMENDMENT

ISO 28258:2013/DAM 1

ISO/TC 190/SC 1

Secretariat: AFNOR

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Soil quality — Digital exchange of soil-related data

AMENDMENT 1

Qualité du sol — Échange numérique de données relatives au sol
AMENDEMENT 1

ICS: 13.080.01

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ISO/CEN PARALLEL PROCESSING



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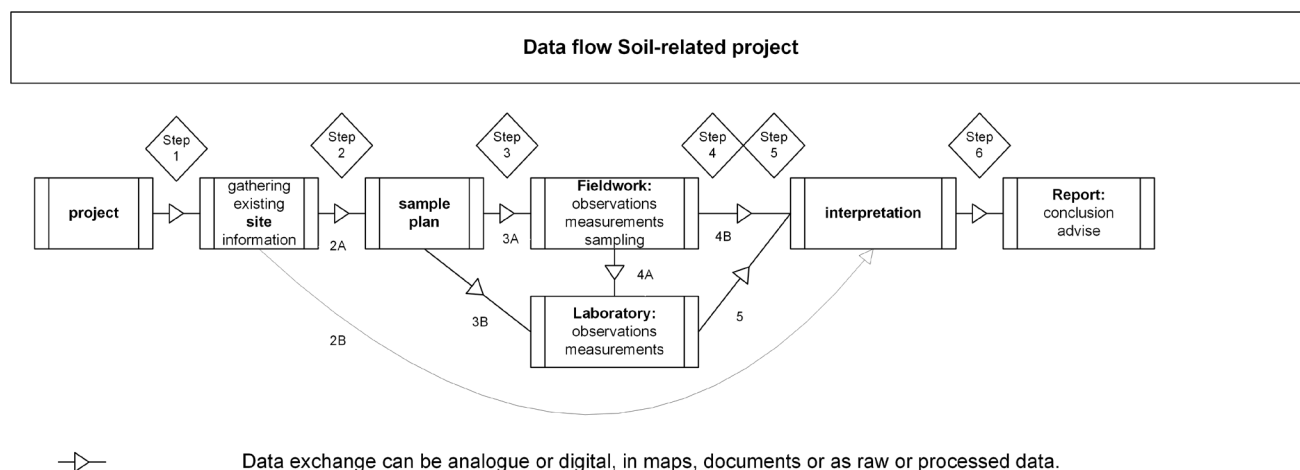
The committee responsible for this document is ISO/TC Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 1, *Evaluation of criteria, terminology and codification*.

Soil quality — Digital exchange of soil-related data

AMENDMENT 1

Figure 1

Replace Figure 1 with the following figure:



The boxes represent soil quality-related activities.

The arrows represent data exchange steps between the activities.

The figure shows that in a typical soil quality project there might easily be 9 main stages where data is exchanged or recorded.

Figure 1 — Common data exchanges in soil quality

1, second paragraph

Add the following paragraph at the end of the clause:

(Meta-)Data about the quality of soil information can be included according to ISO 19157:2013 Geographic Information – Data Quality.

2,

Add the reference to ISO 19157:2013 in the normative references.

ISO 19157:2013, *Geographic information — Data Quality*

3.1,

Add the following note at the end of the subclause:

Note 2 to entry: ISO 19156 uses the term *specimen* for what is called a sample in soil science.

3.20,

Replace the term “profil information” by “soil profil information” in the Note 1, i.e replace the Note 1 with the following :

Note 1 to entry: All types of plots only provide locality, but not soil information itself. For example, a borehole is the location where you gather the information to abstract a soil profile information from.

3.33,

Replace the term “profil” by “soil profil” in the text, i.e replace the text with the following :

excavation prepared to carry out soil profile descriptions, sampling, and/or field tests

4.1, first paragraph

Replace the term “soil quality data” by “soil-related data” in the text, i.e replace the text with the following:

This International Standard is specifically made for the exchange of soil-related data. It does not deal with the nevertheless very common use and exchange data from other disciplines, like geotechnics, geo-information, or groundwater investigation and management.

4.1, fourth paragraph

Replace the term “soil quality data” by “soil-related data” in the text, i.e replace the text with the following:

If soil-related data defined according to this International Standard are combined with other kinds of data, the soil-related part shall be performed, using the XML namespace “ISO 28258”.

ISO 28258:2013/DAM 1:2017(E)

4.1, last paragraph but one

Replace the term “soil quality data” by “soil-related data” and the term “soil quality information” by “soil-related information” in the text, i.e replace the text with the following:

Clause 5 provides the information model for the exchange of soil-related data used in this International Standard. All soil-related information shall (eventually) refer to a specific place (point, location, mapping unit) in or under the surface of the earth. For all geographical information, the ISO 19100 family of International Standards is used.

All analytical results shall refer to an appropriate standard, if available.

4.2,

Replace the title “4.2 Requirements worked out” by “4.2 Provisions for flexible adaptation”

Replace the first paragraph with the following:

This International Standard requires that the exchange of soil-related data uses an information model based on ISO 19156. The general model of ISO 19156 is adapted to soil data; maintaining flexibility as regards the attribute parameters.

Figure 2

Replace Figure 2 with the following figure:

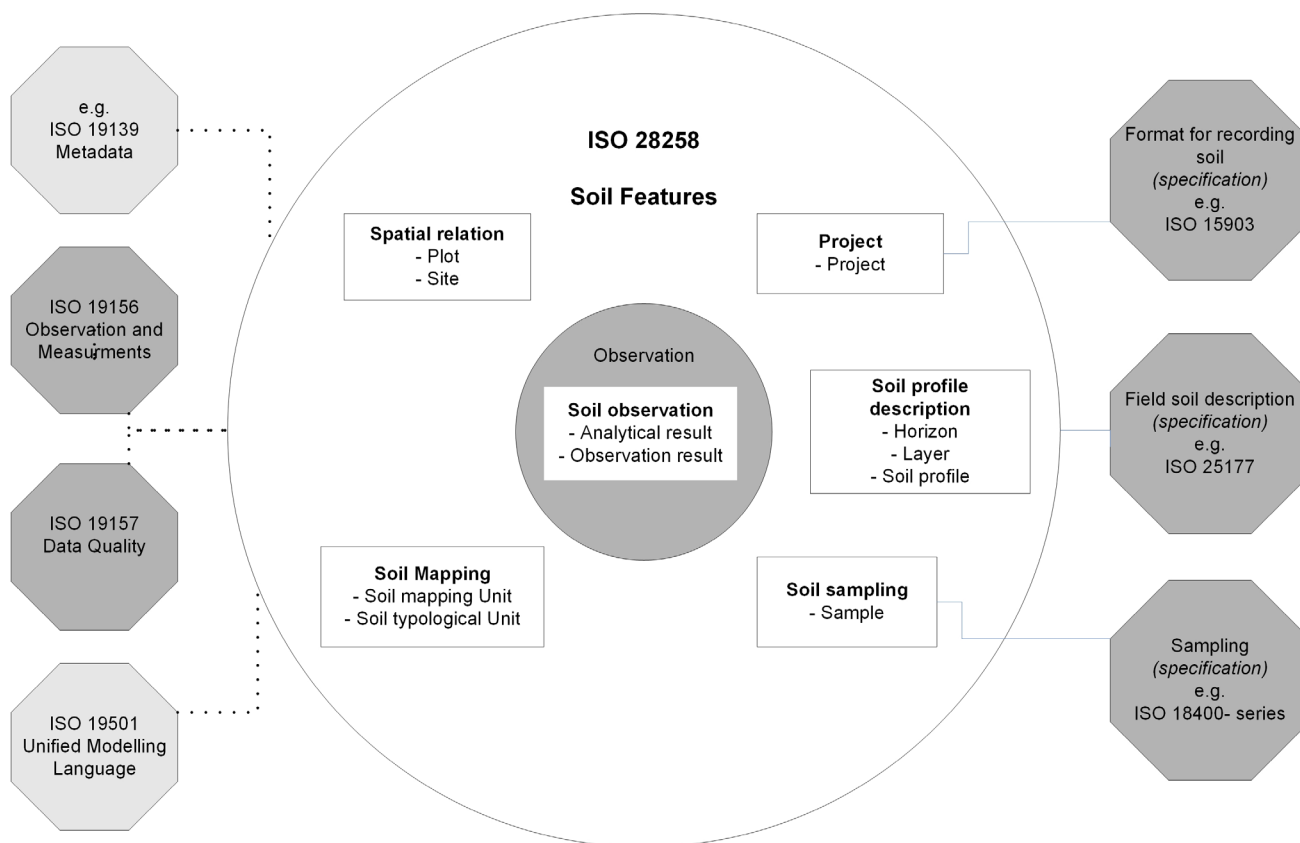


Figure 2 — Inner structure of soil information and its setting within other standards

5.2.1,

Replace the term “SF_Process” by “OM_Process” and the term “Profile” by “SoilProfile” in the bullet point d), e), and f), i.e. replace the bullet points with the following:

- d) The OM_Process is restricted to *PreparationProcess*.
- e) FeatureType of Observation:featureOfInterest is restricted to *Site*, *Plot*, *SoilProfile*, *ProfileElement*, and *SoilSpecimen* including all their subclasses. It means that only properties of these feature types may be observed.
- f) FeatureType of SF_SamplingFeature: *sampledFeature* is restricted to *Site*, *Plot*, *SoilProfile*, and *ProfileElement* including all their subtypes.

Table 1,

Replace the term “Profile” by “SoilProfile”.

5.2.3, last paragraph

Replace the text with the following:

An observation may be done only on observable properties of any feature of interest; however, features of interest are restricted to Site, Plot, SoilProfile, ProfileElement (i. e. Layer and Horizon), and SoilSpecimen, including all their subtypes. General observable properties introduced by this model are listed in Table 2. Additional observable properties may be introduced by a data provider. Any other properties introduced by this model except for those listed in Table 2 are considered to be exact.

Table 2,

Replace the term “Profile” by “SoilProfile”.

Figure 3

Replace Figure 3 with the following figure:

ISO 28258:2013/DAM 1:2017(E)

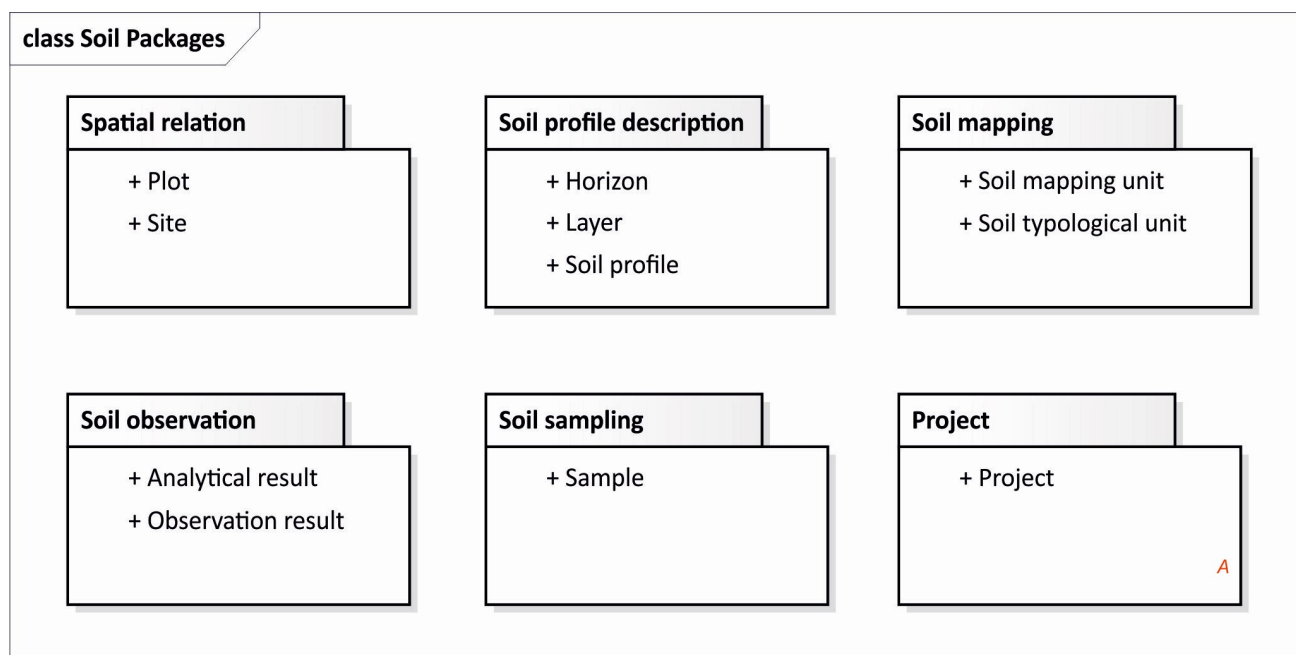


Figure 3 — General SoilQuality packages

Figure 4

Replace Figure 4 with the following figure:

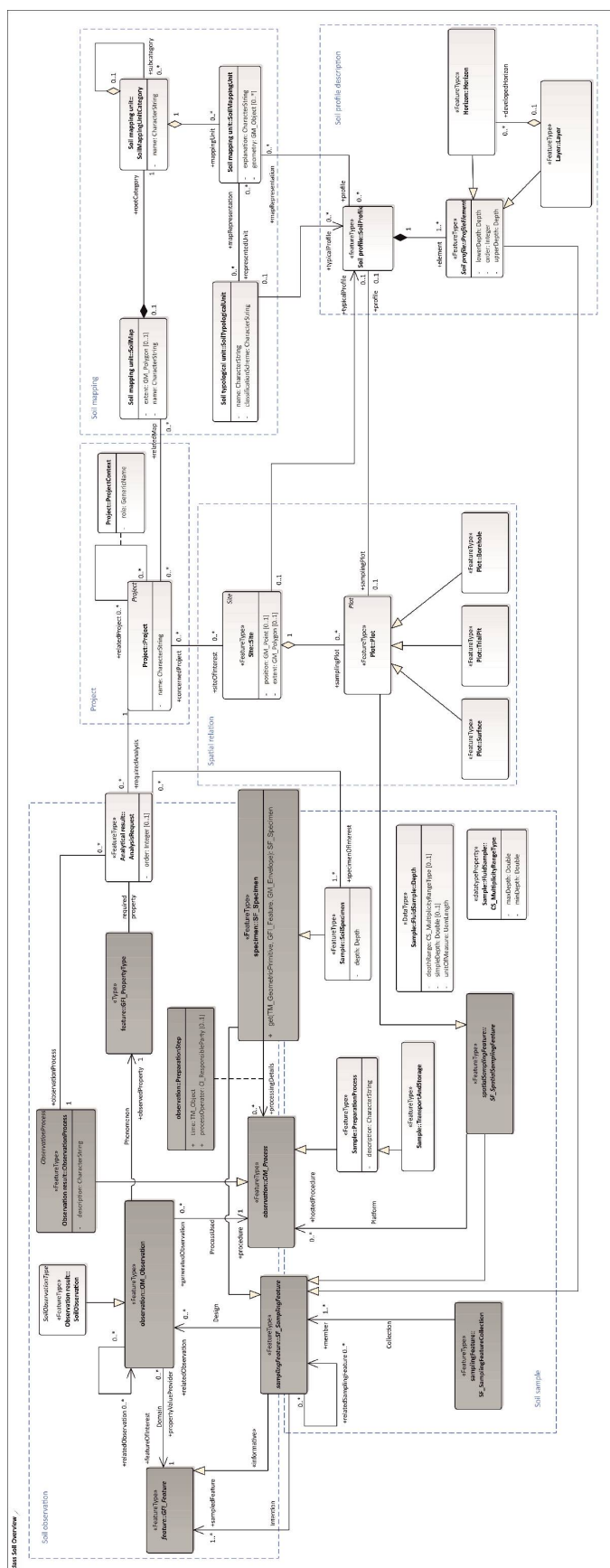


Figure 4 — Overview of sub-models (see Figures 5 to 10 for details)