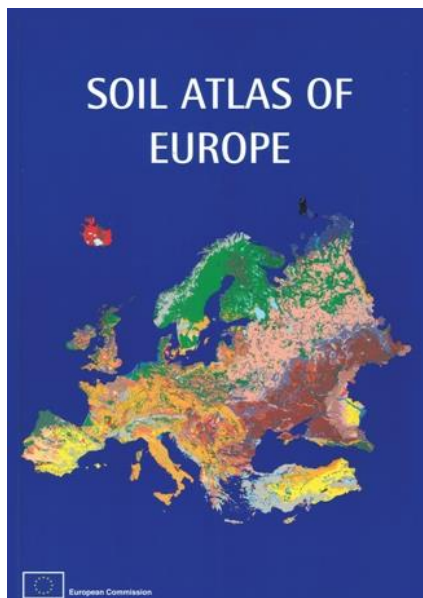


Revised Soil Atlas of Europe and other Atlases

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European Commission



Revised Soil Atlas of Europe

The **1st Soil Atlas** of Europe was published in **2005** with information and data gathered over a 10 year period prior to the publication date.

Over the past 10 years: number of changes of policy and scientific character have occurred. This has stimulated JRC to look into the Atlas and revise its content.

Global Soil Week (Berlin, April 2015): JRC organized a special session (with three invited experts; open to all) to discuss past scientific developments in soil and to discuss a revision of the Soil Atlas of Europe; $\frac{1}{2}$ of participants were Editorial Board members for the 1st atlas)

Conclusion in GSW:

- Update some of the maps
- Remove or replace obsolete material (e.g. references to possible Soil Framework Directive)
- Add new material
- Add country contributions.

Revised Soil Atlas of Europe

Maps

- New data: Sweden, Azerbaijan, Georgia
- WRB 2006 → WRB 2014
- Solve Cross-border issues (e.g. Norway-Sweden)
- Correct soil naming errors (e.g. Albeluvisols in Russia)
- Soil forming factors
- Better and new maps on soil threats

New material

- Key soil functions (nutrient cycles: nitrogen and phosphorus; provision of food, fibre and fuel; soil carbon cycle; soil organic carbon in Europe; soils and hydrological cycle; soil biodiversity) + new chapter on soil forming factors
- The soil in your garden + urban agriculture
- LUCAS Soil
- Soil sealing + adding guidelines + update to new maps/data
- Hydro-geological risks including landslides vulnerability maps
- education and awareness rising / ENSA
- peat land
- report on new initiatives e.g. ESP

Revised Soil Atlas of Europe

Editorial Board

A call to a number of European scientists was sent out (May 2015).

Board:

Erika Micheli

Seppe Deckers

Rainer Baritz

Prof. Markku Yli-Halla

Pandi Zdruli

Stephen Hallett

Vitaliy Medvedev

Gunay Erpul

Eric van Ranst

Christine Le-Bas

Prof. Stanisław Białousz

Jose Luis Rubio

Allan Lilly

Francesca Bampa

Winfried Blum

Thomas Caspari

Ad-hoc contacts with other European experts on specific contributions is also expected.

Revised Soil Atlas of Europe

Country contributions:

One of the action points of last EIONET NRC Soil meeting (*updates of 2007 Country profiles in relation to soil, with the clear intent of using that profile for the compilation of the upcoming 'Status of World Soil Resources Report' (SWSRR) by FAO*) was turned into request for country contributions to be used for the revision of the Soil Atlas of Europe.

NRC Soil: provide the JRC with a description on the state of the soil in its country, according to a fixed scheme and to represent the position of the country anno 2015, giving a strong presence and high visibility of countries at European level

12 Dec 2014: JRC asked EIONET countries if they would contribute;
all **38** (but Liechtenstein) agreed

+ Russia + Moldavia + Belarus + Ukraine

Revised Soil Atlas of Europe

12 Jan 2015: asked countries for a description : (in consultation with EEA)

- Context influencing the status of soil resources (soil-forming factors): geology and parent material, landform and topography, climate and soil water relationships, land cover/land use, etc.
- Summary of the status of soil resources.
- Use of the soil: focus on the main soil functions used and derived ecosystem services.
- Main (up to 4) soil degradation processes/pressures (depletion of soil organic matter, erosion, contamination, loss of soil biodiversity, salinization, landslides, soil sealing, compaction, etc.).
- Measures to relieve the degradation processes/pressures.

+ 1 or 2 high resolution illustrations;

Max 3,000 chars

Possibly based on 2008 country profile for soil

Deadline 31 March 2015.

Revised Soil Atlas of Europe

JRC email interaction with countries to bring the contributions in a shape good for editing by the Editorial board.

- 12 October 2015: finished 35 out of 38 countries (**not yet** Kosovo, Latvia, Slovenia)
- + Russia + Belarus + Ukraine (**not yet** Moldavia)
- From now to Jan 2016: prepare contributions for editing
- First Editorial meeting begin 2016
- Edited versions: send back to countries for acceptance/corrections

Timeline:

- zero draft in preparation at JRC for 1st Editorial Board meeting, probably Jan 2016
- publication end 2016

Revised Soil Atlas of Europe & other Atlases

Other Atlases:

- Global Soil Biodiversity: in editing; printing early 2016
- French version Soil Atlas of Africa: 5 December 2015 (Leuven; "Africa in Profile 2015")
- Revision of Portuguese version of Soil Atlas of Latin America; during 2016

