

eContent*plus*

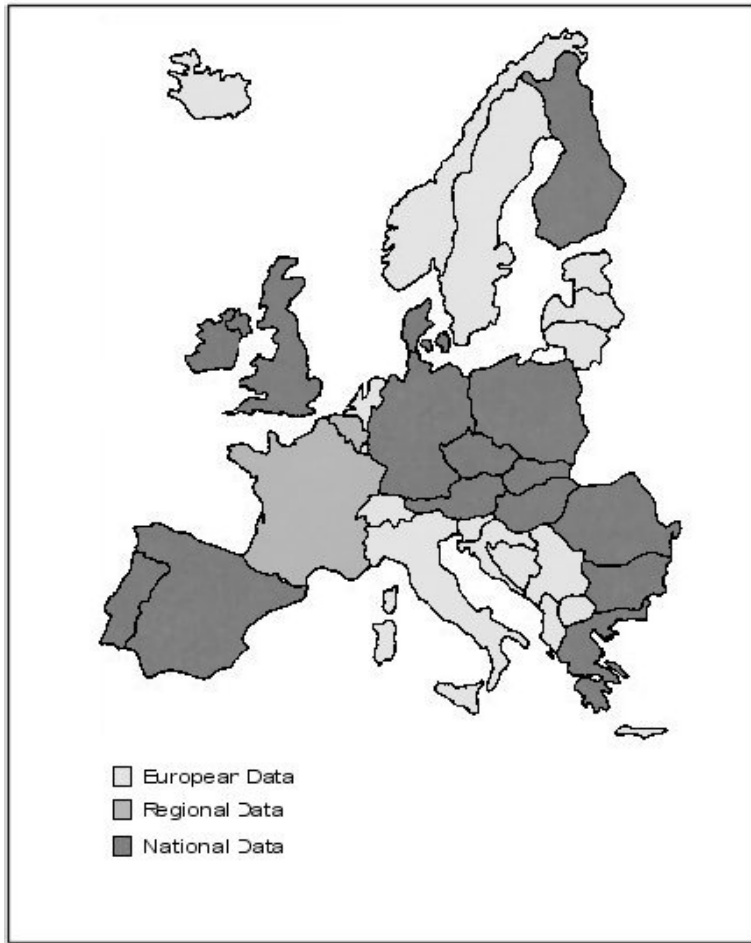
GS Soil

General aims

Assessment and strategic development of INSPIRE compliant Geodata-Services for European Soil Data

BPN on basis of the EU 2007/2/EC (INSPIRE) Directive for Annex III
theme SOIL and related Annexes under consideration of the European
Environmental Information Directive 2003/4/EC
GS Soil

Consortium members



- 33 members
- 17 EU member states are represented
- 4 functional teams
 - Framework development team (theme-specific and IT experts)
 - Soil semantics/nomenclature team
 - Core data providers (soil information systems and services)
 - Regional data partners

Work packages

- WP1: Project Coordination and Networking
- WP2: Content Provision Framework
- WP3: Data Management & Metadata
- WP4: Harmonisation & Semantic Interoperability
- WP5: Establishment of an integrated Network & Soil Portal
- WP6: Evaluation & Sustainability
- WP7: Dissemination, Awareness & Clustering

WP2: Content Provision Framework

- 2.1: Requirements and Gap Analysis
- 2.2: Consolidation of a Soils Inventory and Theme Catalogue
- 2.3: Definition of Content-Framework Standards
- 2.4: Consolidation of Content-Framework Best Practice Guidelines

WP3: Data Management & Metadata

- 3.1: Development of an INSPIRE compatible metadata profile for soil geographic datasets and dataset series
- 3.2: Development of an INSPIRE compatible metadata profile for soil geographic data services serving the needs of data harmonisation
- 3.3: Developing metadata derivation methodologies to provide tools or standards for non-existing or not commonly accepted metadata variables
- 3.4: Multilingualism
- 3.5: Provision of spatial metadata and the development of Best Practice Guidelines for creating and maintaining metadata for soil databases

WP4: Harmonisation & Semantic Interoperability

- 4.1 Specify test suite for developing data specifications
- 4.2 Frame conditions for soil data harmonisation/consistency
- 4.3 Development of generic data models for the transfer of soil map, soil profile, ...
- 4.4 Development and provision of first-cut transformation services
- 4.5 Consolidation of Data Harmonisation Best Practice Guidelines

WP5: Establishment of an integrated Network & Soil Portal

- 5.1 Definition and technical specification of network architecture
- 5.2 Establishment of the GS Soil Portal
- 5.3 Provision of open tools and INSPIRE Services for data providers [„GS Soil“] 30
- 5.4 Establishment of a semantic service
- 5.5 Continuous integration of services and information
- 5.6 Deployment and operational exploitation

WP6: Evaluation & Sustainability

- 6.1 Development of target user specific testing scenarios
- 6.2 Realisation of evaluation (User Testing)
- 6.3 Analysis of evaluation results and integration of improvements
- 6.4 Development of long-term operation plan for the Soil Portal & ...

WP7: Dissemination, Awareness & Clustering

- 7.1 Planning, managing and monitoring of dissemination, clustering and awareness rising activities
- 7.2 Website, newsletters and production of dissemination material
- 7.3 Networking and Clustering
- 7.4 Conferences, Workshops, and Seminars

Expected results

1. A consolidated soil-related theme catalogue and consolidated soil-related theme content-framework standards
2. A INSPIRE compatible metadata profile for spatial soil datasets, dataset series and services
3. Generic application schemes for soil information
4. A web portal (GS Soil Portal) which provides access to all project soil data, including
 - a view service which provides access to spatial soil data
 - discovery and view of the INSPIRE conform metadata for the provided soil maps
 - interoperable spatial soil datasets (for exemplary soil products)
 - case studies on cross-boarder delivery of harmonised soil data access
5. Best practise guidelines for
 - creating and maintaining metadata for soil database
 - data harmonisation

Duration: 36 months

Project coordinator:

Lower Saxony Ministry of Environment and
Climate Protection, Coordination Center
PortalU (KST PortalU)