

ESBN

Working Group on

INSPIRE

by

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on behalf of the WG members

WG participants

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- Christine LeBas
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Mandate by ESBN SC – September 2008

The INSPIRE Directive became in force and it is decided to establish ESDAC. ESDAC will not contain all the data itself. In the case users need data from ESDAC the system will online contact the national soil databases and draw information from there.

It is **needed to set up a data specification** for the data to be included in the ESDAC. This specification should be in line with the present data available in the European Soil Information System and the data present at national level. **The mandate of the group is the development of this data specification and support to JRC activities for ESDAC (soil action working plan for 2009).**

INSPIRE Directive

- INSPIRE lays down general rules to establish an infrastructure for spatial information in Europe
 - for the purposes of Community environmental policies and
 - policies or activities which may have an impact on the environment.
- INSPIRE to be based on the infrastructures for spatial information established and operated by the Member States
 - INSPIRE is a distributed infrastructure.
- INSPIRE does not require collection of new spatial data
- INSPIRE does not affect existing Intellectual Property Rights
- Entry into force 15 May 2007



INSPIRE Spatial Data Scope

Annex I

1. Coordinate reference systems
2. Geographical grid systems
3. Geographical names
4. Administrative units
5. Addresses
6. Cadastral parcels
7. Transport networks
8. Hydrography
9. Protected sites

Annex II

1. Elevation
2. Land cover
3. Ortho-imagery
4. Geology

Harmonised spatial data specifications more stringent for Annex I and II than for Annex III

INSPIRE Thematic Scope

Annex III

1. Statistical units
2. Buildings
3. Soil
4. Land use
5. Human health and safety
6. Utility and governmental services
7. Environmental monitoring facilities
8. Production and industrial facilities
9. Agricultural and aquaculture facilities
10. Population distribution – demography
11. Area management/restriction /regulation zones & reporting units
12. Natural risk zones
13. Atmospheric conditions
14. Meteorological geographical features
15. Oceanographic geographical features
16. Sea regions
17. Bio-geographical regions
18. Habitats and biotopes
19. Species distribution
20. Energy Resources
21. Mineral resources

INSPIRE Components

- Metadata
- Interoperability of spatial data sets and services
- Network services (discovery, view, download, invoke)
 - Made available through the European geo-portal
- Data and Service sharing (policy)
- Coordination and measures for Monitoring & Reporting

INSPIRE is a Framework Directive

Detailed technical provisions for the issues above will be laid down in Implementing Rules

Once adopted, Implementing Rules become European legislative acts and national law in 27 Member States and in some EFTA countries



Data Specification development roadmap

Description	Who	Start	End
Task 1: User requirements and use cases	TWG	2008-03	2008-05
Task 2: Analysis of the relevant reference materials	TWG	2008-02	2008-05
Task 3: “As-is” analysis according to the methodology in D2.6	TWG	2008-02	2008-08
Task 4: Gap analysis according to the methodology in D2.6	TWG	2008-02	2008-08
Task 5: Drafting data specification of Annex I data themes	TWG	2008-05	2009-03
Task 6: Testing of draft data specifications for themes	SDICs, LMOs	2008-10	2009-02
Task 7: Preparation and adoption of IR for the interoperability and harmonisation of spatial data sets and services for Annex I spatial data themes	CT, TWG INSPIRE Committee	2009-02	2009-05

Parallel activities/initiatives?

- Major „players” on the INSPIRE field:
 - ESNB WG1
 - ESDAC Consortium
 - INSPIRE TWG on Soil
 - GSSoil (e-ContentPlus EU project)

ESBN WG1

- Representing the European soil data provider community
- Voluntary workers
- Supporting JRC as an expert group on soil
- Activities:
 - Overviewing the process
 - Interpretation the INSPIRE directive for the soil science community, definition of the activities needed to perform to express the special needs for soils
 - Definition/specification of the related researches/surveys to backup the TWG work (relation to ESDAC)

ESDAC Consortium

- Quick-reaction scientific body of ESBN
- Represents the EU soil expert group
- Contracted by JRC for predefined topics for further investigation
- Paid worker via issued tenders
 - Tender on INSPIRE with 3 main steps
 - User requirement survey, collection of reference materials
 - Use case analysis
 - Analysis of the relevant reference materials

INSPIRE TWG on Soil

- The official body for defining the INSPIRE elements on soils
- Voluntary/paid members
- Four members are from the ESNB/JRC soil bodies
 - Arnold Arnoldussen (Facilitator), Marc van Liedekerke, Einar Eberhardt (Co-Facilitator), Christine Le Bas
- Uses the outputs from expert groups, like our WG1/ESDAC Consortium

GSSoil Project

- EU research project
- Paid members/required to produce something
- 34 participants
 - Data providers
 - Technical staff
- Covering the whole INSPIRE spectrum targeting soil

Role of ESBN WG1 within the INSPIRE process

- Interpreted the INSPIRE framework and its soil related aspects
- Specified the tender content for the ESDAC Consortium
- Supervised the outputs/deliverables from ESDAC consortium up to step 3 so far
- Supports the TWG through its delegated members
- Overview the TWG drafts from the soil perspective