



ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale

1 Presentation

Italian Institute for Environmental Protection and Research

The Institute for Environmental Protection and Research (ISPRA) is a nat'l public body, established by Legislative Decree no. 112 of **25 June 2008**, subject to the vigilance of the Ministry for Environment, Territory and Sea.

It merges the Agency for Environmental Protection and Technical Services (**APAT**), the Central Institute for Scientific and Technological Research Applied to the Sea (**ICRAM**) and the National Institute for Wildlife (**INFS**).

Nat'l Focal Point EIONET + all Nat'l Ref. Centres (e.g., land & soil)

NRC CLC, Spatial Analysis (mandated to develop CLC2006)

Nat'l Geological Survey - Member Nat'l Pedological Observatory

EUROGEOSurvey + Legally Mandated Organisation INSPIRE

Spatial Data Interest Community - SINANet registered

Contribution to the ESDAC data requirements:

- 1 (GL on identification of Risk Areas for Soil Threats);
- 2 (GL on data&metadata for SOM, Soil Erosion, Soil BD);
- 3 (EU SDB_{250,000} => Regional Soil Services &/or NatPedolObserv.);
- 4 (**risk maps** Soil Erosion, Landslides + Δ_0 SOM);
- 5 (integration of Cont. Sites into ESDAC)

Legal instrument mandatory

Regional (NUTS2) involvement is a priority

(SFD could allow the dataflow from NUTS3 to EU)

- Providing updated data and maps (Env'1. Data Yearbook)
on SOM content, compaction, salinisation and erosion.
- Updated datasets on Progress in the management of Contaminated Sites to support core set of indicators.
- Updated Soil Country Analysis

4 Contribution: data characteristics and availability, and priority

Soil Erosion: 1Km-Grid, Harmonised data based on shared exchange format for Actual and Potential Erosion (at present 10/20 Regions available, SIAS Project Deadline: Dec. 2009)

SOM: Org Carbon Content, 1Km-Grid, 0-30 & 0-100 depths, (at present 10/20 Regions available, SIAS Project Deadline: Dec. 2009)

Landslides: LS Index, Grid 1Km², Landslides Inventory (482,272 - IFFI Project)

Salinisation, Compaction and Acidification: at present, no Nat'l Projects

Regional and National **Desertification** Maps (3% High Sensitivity, 32% Medium Sensitivity) Pilot project So.Bio.Pil.A. (proposed for LIFE Plus 2008)

Soil Biodiversity Inventory (Project on Voluntary Basis) on the run (SBDWG)

Contaminated Sites: 57 Nat Priority sites (data stored MATTM/ISPRA), more of 15.000 potentially contaminated sites of regional competence

SIAS Project

Development of Environmental Soil Indicators

- Experimental data flow from local to international levels with the collaboration of Regional/Prov. Soil Surveys, CRA, JRC/CE
- Using soil data and expertise available at local level, aims to develop for Italy part of the Multi-Scale European Soil Information System (MEUSIS) www.eusoils.jrc.ec.europa.eu/...meusis

Needs or interests of Italy regarding the ESDAC – EIONET collaboration

Needs

- Continuity in interoperability work on dataflow
- Periodical Workshops (Network improvement)

Interests

- Pilot projects on collaboration among NRCs
(Technical arrangements)
- JRC for bridging the gap between Research and
Legislation Enforcement, including EU Data
Centres

INSPIRE transposed in Italian law within Spring
(15 May 2009 deadline)

- Actions taken for the implementation of INSPIRE regarding **soil** data and information:

Nat'l Centre for Information Technology in Public Administration
CNIPA => National Committee for technical rules on
Geographic Information - SPC Public Connectivity System

Repertorio Nazionale Dati Territoriali (RNDT): Natl Repository GI

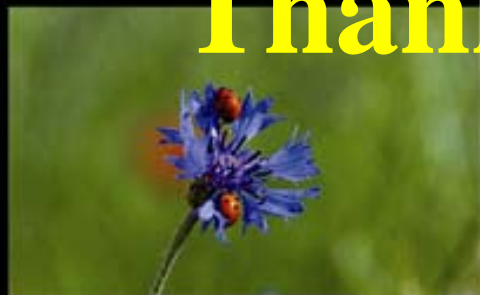
IDABC - Interoperable Delivery of EU e-government services to
public Administration, Businesses and Citizens

Regional Administrations & Geol. Surveys: Terrestrial Datasets
relevant for INSPIRE - Nat'l Catalogue developed

I&CT (MAIS – Spatial Information Access Module =>
plug-in free download)



Thank you!



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