INSPIRE EDUCATION

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G E O T Ý M

INSPIRE AWARENESS

- low level of knowledge about INSPIRE directive
  - among local and regional policy maker and public
  - local and regional ICT companies (implementation of local and regional infrastructures)
- **To support awareness, education, participation of different groups and preparedness of users.**
  - public sector obligations
  - what is main purpose of INSPIRE implementation
  - what will be main functionality
  - the understanding of policies and their implementing rules
  - the new technologies and standards related to access and management of GI

INSPIRE training

- different types
  - Stationary
  - Distance learning
  - E-learning
- different providers
  - IT companies, Universities - commercial
  - EU projects – EU funded
  - Local organization - local grant

IT COMPANIES TRAINING

Snowflake software
- Introduction to INSPIRE
- INSPIRE Data Specifications
- Transforming Data into INSPIRE Data Specifications
- Making Data Accessible via INSPIRE Download Services
- Publishing Data and Services into SDIs

compass informatics
- Background
- Overview of key concepts
- INSPIRE Metadata
- INSPIRE Network Services
- INSPIRE Data Specifications
- INSPIRE Preparedness

1Spatial
- Policy and Basic Components
- Metadata
- Delivering INSPIRE Data

Own solutions to data delivery process:

Go Loader, Go Publisher   *Compass INSPIRE ISO Toolkit*   *Radius*

European Spatial Data Research Network

EuroSDR

EduServ8 - distance education courses
- **Schema matching, mapping and transformations for INSPIRE**
  - University of Gävle, Future Position X
  - For students and professionals with background in computer science or surveying engineering
  - The objective is to provide a basic understanding of XML-based technologies for schema matching, mapping and transformation in the context of the INSPIRE implementation rules
- **The INSPIRE Directive and its Implementing Rules. How to understand and apply them.**
  - SADL - Spatial Applications Division Leuven (interdisciplinary R&D division of the KU Leuven)
  - People from Public Authorities and Third Parties (private companies, universities, …) who will implement (parts) of INSPIRE at the national or subnational level; Staff from National Mapping and Cadastral Agencies; Coordinators of National Spatial Data Infrastructures, National Contact Points; PhD and M.Sc. students in the field of geomatics.
  - Course objectives: better understand the INSPIRE process, what INSPIRE is and what it is not, what stakeholders involved in the INSPIRE process are expected to do, how to implement components of the INSPIRE infrastructure at the European, national or sub-national level and how to assess conformity with the Implementing Rules

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VESTA-GIS

Vocational Education and Sectoral training network on GIS & GI application domains

VESTA GIS

- training courses on eLearning platforms
- **"Training Framework"**
  - aims to collect, organise and deliver vocational training content on the GIS technology and tools
  - Water Management, Natural Environment Protection, Coastal Management and Landscape.
  - the access is upon registration to VESTA-GIS - **free**.
- "Training Framework" is already applied in projects:

NatureSDIplus   HUMBOLDT www.esdi-humboldt.eu

HUMBOLDT Training Package

HUMBOLDT project site   Contact us

Home
The HUMBOLDT Entrance Test
Catalogue of Training Modules
e-Learning Tools
Subscribe to the courses

Training activities towards the users Communities of the HUMBOLDT framework.

The Training Package is developed considering four levels:

- **The HUMBOLDT Entrance Test**

  Optional test to filter trainees before entering the Humboldt Framework Training

- **The HUMBOLDT Knowledge courses**

  Training related to knowledge useful to operate with the HUMBOLDT Framework.
  Includes courses in INSPIRE, Data Harmonisation, GMES, Metadata and Web Services.

- **The HUMBOLDT Framework**

  Training on the results coming from the HUMBOLDT Framework.
  Includes courses on data Harmonisation using the HUMBOLDT Tools

- **The HUMBOLDT Scenarios**

  Example Use cases explaining the application areas of Humboldt.
  Includes data harmonisation experiences using the HUMBOLDT Tools in Border Security, Urban Planning, Forest, Protected Areas, Risk Management, Ocean, Atmosphere and Transboundary Catchments

If you have already subscribe to the courses, you might go directly to the e-Learning Platform

http://www.gisig.it/humboldt/training/

Level 1 "HUMBOLDT Knowledge"

Training related to knowledge useful to operate with the HUMBOLDT Framework

Level 1 Training Modules have been already identified as:

- **Overview of GMES**

  The concepts, status and development of Global Monitoring for Environment

  Description   Subscribe to this course   Go to the course

- **Web Services**

  The basic concepts of web service technology and how it is applied in the
  WMS, WFS and WPS services.

  Description   Subscribe to this course   Go to the course

- **Metadata, concepts and standards**

  The basic concepts of metadata and how they apply to GI. Special attention
  Metadata Implementing Rules.

  Description   Subscribe to this course   Go to the course

- **Data Harmonisation**

  The basic concepts as well as practice use of geographic data harmonisat

  Description   Subscribe to this course   Go to the course

- **INSPIRE (under development)**

Level 2 "HUMBOLDT Framework"

This level aims at provide training on the results coming from the HUMBOLDT Framework.

Level 2 is currently under development and is organised in two main blocks related to:

- The HUMBOLDT Framework outlines and components
- Data harmonisation within HUMBOLDT

http://www.gisig.it/humboldt/training/

Level 3 "HUMBOLDT Scenarios"

The main goal of the Humboldt scenarios is employment of the developed framework components in real world conditions, based on applications that simulate these conditions identified indifferent environment-related uses cases. The scenarios are both a test bed and a community-driven research environment, which will assist in the development and promotion of the project's objectives. Humboldt will invite additional users in a midterm call to join the project and participate in the further development of additional scenarios (for further information please refer to the Humboldt project site Get involved: section). This contributes also to the full realisation of the sustainability of the framework program.

The eight HUMBOLDT Scenarios cover a wide variety of application domains, stakeholders and test areas. The following application scenarios are faced by the Humboldt partnership.

Click on each Scenario to have a more detailed description of its training Components.

- **BorderSecurity**

  In this Scenario, which revolves around supporting bord
  of highly sensitive data, real-time sensor input and high

- **Urban Planning**

  This Scenario addresses environmental, architectural, i
  offering them integrated access and visualization of suc
  models, which makes this Scenario a perfect test for da

- **Forest**

  In this Scenario, which centres on the management of
  sides of the Czech-German border, metadata harmonis
  representations and different sources of geodata are th

- **Protected Areas**

  Another Scenario in which highly different data sets nee
  to data for planning, management and promotion of pro
  management levels (EU, national, regional and local).

- **ERiskA**

  The European Risk Atlas aims at developing a cross-bor
  Constance region (Austria, Germany and Switzerland).

- **Transboundary Catchments**

  This Scenario address the issues of catchments crossir
  different, often conflicting, ways .

- **Ocean**

  Being the largest Scenario in HUMBOLDT, this project w
  amounts of satellite data playing an important role. Howe
  the simulation of oil spills and other disasters.

- **Galileo**

  A Scenario that will make use of the new GNSS Galileo t
  from several domains in a range from macroscopic to ve

http://www.gisig.it/humboldt/training/

NatureSDIplus
Best Practice Network for SDI in Nature Conservation

Search...
co-funded by the Community programme eContentplus

NatureSDIplus Training Package

Home
Level 1: Background Knowledge
Level 2: SDI and Nature Conservation
Level 3: Applications
Subscribe to the courses

NatureSDIplus project site
Contact

The NatureSDIplus Training Package increases the value of the NatureSDIplus project by providing training activities towards the NatureSDIplus Communities.

The Training Package aims at helping the members of the network to create interoperable datasets on nature conservation. It is composed by Modules, which have been grouped considering three levels:

- **Background Knowledge**

  Training modules related to basic knowledge on nature conservation and technological issues useful to work with INSPIRE nature conservation themes.

- **SDI and Nature conservation**

  Training modules on the results coming from the NatureSDIplus project

- **Applications**

  Training module on the good practices coming from the NatureSDIplus project

The NatureSDIplus on-line training material is established by existing open source e-learning platforms.
For each Module a short description is given [metadata] and the direct access to the on-line training material is provided through the log in to the e-learning platform.

http://www.nature-sdi.eu/training/

NatureSDIplus

Level 1 "Background Knowledge"

Level 1 Training Modules have been already identified as:

GI Modelling and Standards

Module 2 - Data Modelling

Module 2 contents not yet available

Description of the course   Subscribe to this course   Go to the course

Module 3 - Metadata

The basic concepts of metadata and how they apply to GI. Special attention is g
INSPIRE Metadata Implementing Rules.
Module 3 contents hosted in the HUMBOLDT project e-learning platform

Description of the course   Subscribe to this course   Go to the course

Module 4 - Data Harmonisation

The basic concepts as well as practice use of geographic data harmonisation.
Module 4 contents hosted in the GIS-institute of Gävle (GIG) e-learning platform

Description of the course   Subscribe to this course   Go to the course

Module 5 - Standards

This module focuses to the several standards that support the INSPIRE Directive.

Description of the course   Subscribe to this course   Go to the course

Basic IT Standards

Module 6 - Basic of WebServices

The basic concepts of web service technology and how it is applied in the OGC spe
WMS, WFS and WPS services.
Module 6 contents hosted in the HUMBOLDT project e-learning platform

Description of the course   Subscribe to this course   Go to the course

Module 7 - Basic of XML GML

Module 7 contents not yet available

Description of the course   Subscribe to this course   Go to the course

INSPIRE

Module 8 - The INSPIRE Directive

Module 8 contents not yet available

Description of the course   Subscribe to this course   Go to the course

http://www.nature-sdi.eu/training/

NatureSDIplus

Level 2 "SDI and Nature Conservation"

Level 2 Training Modules have been already identified as:

Module 9 - Nature Conservation in INSPIRE

The main concepts and the terminology used in INSPIRE for the 4 data themes relate
by the NATURESDIplus project.

Description of the course   Subscribe to this course   Go to the course

Module 10 - Dataset Analysis and Data Policies

The module concentrates on nature conservation in geo-information domain and
proposing interoperable and harmonised datasets.

Description of the course   Subscribe to this course   Go to the course

Module 11 - Dataset Harmonisation - Transformation

Module 11 contents not yet available

Description of the course   Subscribe to this course   Go to the course

Module 12 - Thesaurus

Module 12 contents not yet available

Description of the course   Subscribe to this course   Go to the course

Module 13 - Geoportal

Module 13 contents not yet available

Description of the course   Subscribe to this course   Go to the course

Module 14 - Testing the Compliance with INSPIRE and Inf

Module 14 contents not yet available

Description of the course   Subscribe to this course   Go to the course

Level 3 "Applications"

Level 3 Training Modules have been already identified as:

Module 15 - Good Practices

Module 15 contents not yet available

Description of the course   Subscribe to this course   Go to the course

http://www.nature-sdi.eu/training/

The INSPIRE Academy

- Two rounds of 2-day stationary trainings; 3 months of an e-Learning course (in between the stationary trainings)
- TARGET GROUP: staff members of commune (local) self-government authorities forming nature conservation and spatial planning units.
  - Communes covered by Natura 2000 areas
  - plan to train 300 officials from 150 communes
- Project Partners
  - UNEP/GRID-Warsaw Centre – Project Leader
  - Commune Tønsberg from Norway
  - Statens Kartverk Norway
  - INTERGRAPH Poland Ltd.
- Based on query on the target group needs (Internet-based survey form and direct query)

http://www.akademiainspire.pl/

SDI-EDU project

- regional and urban planning
- The SDI-EDU project aims to transfer former experience from EU research projects dealing with education in SDI spatial planning as *Humboldt and Naturnet Redime* towards planners in European Regions and municipalities.
- using educational methods of *Naturnet Redime project* combining methods of distance vocational training, e-learning and knowledge sharing

http://sdi-edu.zcu.cz/

GEOTÝM – KA2

- Development of electronic educational content – e-portal – to be presented on local INSPIRE conference 11/2010
- in Czech
- Outline:
  - Standardization overview
  - Best practices – metadata
  - INSPIRE data specification

Thank you…