



**E-Learning Contents & Web Resources
for Sustainable Regional Development**

The **NATURNET-Content-NAVIGATOR** as a
Supporting Tool for Web-Based Education & Training
in Europe of Regions - BEST PRACTICE EXAMPLES

DOZ. DR. FRANK HOFFMANN, CSC

[KAND. TECH. NAUK, MIIGAIK, MOSCOW]

IGN e.V. - DRESDEN, SAXONY / GERMANY

KEYWORDS

Agenda21, Applications, Awareness, Catalogue, Collaboration, Content, Cooperation, Data, Decision, Development, Dublin Core, Education, eLearning, ENVIRONMENT, Europa, GEO, Geoinformation, Geoprocessing, GIS, Infrastructure, INSPIRE, Interoperability, ISO-19115, Metadata, NATURNET, Planning, QRM, REDIME, Region, SDI, Services, SPATIO, Sustainability, System, Teaching, Tools, Training, Usability, X-border-GDI.

ABSTRACT

Decision making on Sustainable Regional Development needs Awareness about **Data, Information, Knowledge** and other **Learning Resources** available from the WWW using Web Catalogue Services and other **Multimedial Web Contents** to support formal Education, informal web-based-Training (WBT), as well as a combination of mixed "**blended**" Learning approaches.

As usual, the usage of **Web SEARCH Engines** like GOOGLE, LIVE_SEARCH or other Searching tools ends up with an overloading of "INFORMATION WASTE"... Therefore, IGN has composed the "**NATURNET-Content-NAVIGATOR**" which contains structurized and indexed KNOWLEDGE categories collected by experts on INTEROPERABILITY & SUSTAINABILITY, and evaluated the USABILITY for web-based e-LEARNING:

The **MetaInformation Database** containing Knowledge Resources developed for NATURNET Project is intended for public use by ADMINISTRATIONS, BUSINESSES, CITIZENS, SCHOOLS, STUDENTS and TEACHERS interested in finding **CONTENTS for teaching** and **RESOURCES for eLearning** on the WEB, especially for **sustainable regional decision making** using E-Learning modules about **Interoperability and Sustainability**.

An **e-Learning Module** package for **MOODLE** explains the NCN use, index, search, find, bind & access process.

Actually, the NCN contains >20.000 Web resource links.