



EduServ 8
Short distance elearning course:

The INSPIRE Directive and its Implementing Rules. How to understand and apply them?

Instructors:

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Target audience:

People from Public Authorities and Third Parties (private companies, universities, ...) who will implement (parts) of INSPIRE at the national or sub-national 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:

This course wants to help in reading the Directive correctly and to better understand the INSPIRE process. Attendants will learn what INSPIRE is and what it is not, and what stakeholders involved in the INSPIRE process are expected to do. The course aims to train INSPIRE stakeholders 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.

Format:

The course gives the theoretical and practical background, but will also include individual work, individual exercises and feedback.

Course outline:

Unit 1: The INSPIRE Directive: background, vision, process and relation with other European initiatives. Discussion on the technological and non-technological components of the European SDI. What does the INSPIRE Directive cover and what not, and what does this mean for the public and

private actors in the GI sector? Different strategies for INSPIRE implementation with examples from all over Europe. – Analysis of documents and writing a short position paper – 8 hours.

Unit 2: Looking into the details of the INSPIRE Implementing Rules on metadata, data specifications and services (with focus on the first two). The Implementing Rules developed so far are discussed in detail, as well as the technical and other supporting guidelines, with a particular focus on the methodology and the illustration with practical cases. The relation with international standards from ISO, CEN and OGC is also discussed. - Exercises relate to the application of the IR for metadata and data specifications in the field of nature conservation (theme 9 from Annex I and themes 17, 18 and 19 from Annex III). Elaboration of one use case based on a user requirements description/list (provided). Elaboration of a catalogue of features and elaboration of a draft data scheme. – 16 hours.

Unit 3: How to assess the conformity and performance of (components of) a NSDI with the provisions of INSPIRE? Overview of different existing approaches for performance measurement of SDI. How is the implementation of INSPIRE and the performance of the NSDI monitored? How to decide on conformity of data sets and metadata? How to score each data set for monitoring purposes? - Sample data sets (from theme 9, Annex I) are analysed in view of their distance-to-target and conformity with the Implementing Rules (data specifications). – 16 hours.