



Spatineo Roadmap

Service Description

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Spatineo Roadmap is a concrete web-based tool to assess organisation's current state of maturity in the utilisation of spatial data and to set a roadmap for organisational improvement. Spatineo Roadmap gives you a comprehensive approach to the utilisation of spatial data. The results of the maturity assessment indicate organisation's strengths and weaknesses in the utilisation of spatial data.

1. Spatineo Roadmap product

1.1. General

- Spatineo Roadmap is based on the GIS maturity model that has been developed at Aalto University in cooperation with the Finnish National Inspire Network.
- The maturity assessment is executed with a web-based questionnaire that enables the participation of all potential spatial data users in the assessment. The responses are anonymous and do not reveal the identity of the respondent.
- The results of the maturity assessment are saved and thus, when repeating the assessment, it is easy to compare the results and see the effects of development actions on the utilisation of spatial data.

1.2. The content of the maturity model

- The maturity model includes five key areas, their indicators and five maturity levels. Each indicator describes those requirements for each maturity level that have to be fulfilled in order to achieve the level in question. The lowest possible maturity level is 1 and the highest 5.
- Key areas and their indicators:
 1. Internal spatial data infrastructure
 - Acquisition of spatial data
 - Management of spatial data
 - Discovery of spatial data
 - Fitness for use evaluation of spatial data
 - Availability of spatial data produced by other organisations
 - Availability of open spatial data produced by other organisations
 - Complying with standards in order to ease the utilisation of spatial data
 - Availability of GIS software and applications
 - Technologies that support the use of spatial data
 2. The use of spatial data in processes and services
 - Spatial data in internal core processes

- Spatial data in customer services and solutions
- Spatial data in support processes and services
- 3. Organisation's and employees' capabilities
 - Leadership of the utilisation of spatial data
 - Personnel resources for enhancing the utilisation of spatial data
 - Internal communication of the possibilities and benefits of spatial data
 - Education for spatial data competence
 - Internal cooperation for enhancing the utilisation of spatial data
 - Employees' technical competence to use spatial data
 - Employees' will to contribute to the enhanced use of spatial data
- 4. External cooperation and the utilisation of research results
 - Organisation's prowess to external networking
 - Organisation's ability to utilise external research results
- 5. External impact
 - Discoverability of organisation's spatial data to external users
 - Discoverability of organisation's spatial web services to external users
 - Accessibility of organisations' spatial data to external users
 - Accessibility of organisations' spatial web services to external users
 - Reliability of organisation's spatial web services
 - Speed of organisation's spatial web services
 - Permanence of organisation's spatial web services
 - Security of organisation's spatial web services
 - Organisation's communication with external spatial data users
 - Organisation's contribution to the development of an NSDI
- Maturity levels
 1. Decided on a case-specific basis
 2. Separately governed in each branch
 3. Concentratedly coordinated
 4. Comprehensively managed
 5. Strategically optimised

1.3. The content of the maturity assessment questionnaire

- A brief introduction: What the maturity in the utilisation of spatial data means, the purpose of the questionnaire and instructions for answering the questionnaire.
- Respondent's background information (department, role and experience with the use of spatial data) is mapped with 3-5 questions. The questions are determined together with the representative of the organisation.
- There is a question per each indicator where the respondent chooses the maturity level between 1 and 5 based on his/her view.
- At the end of the questionnaire, the respondent has a possibility to write an open comment about the utilisation of spatial data.

1.4. The results of the maturity assessment

- The quantitative maturity values are calculated based on the results of the maturity assessment questionnaire.
- The results are visualised according to key areas and to the background information given by the respondents.
- The results are illustratively visualised by using radar charts and histograms.