Academy Structure

- [https://academy.ogc.org/](https://academy.ogc.org/)

Currently Three Clusters:

- Data Management
- Service Management
- Data and Service Integration
Acquire, process, distribute, use, maintain, and preserve spatial data. This course includes modules that help you to improve the skills relating to SDI and develop your work. The modules include information, examples, standards and code practices. Material is targeted to developers working for National Mapping & Cadastral Agencies (NMCAs), statistic institutions and other agencies working with spatial and statistical data.

Including modules:

- Open Data and Licences
- Metadata, Semantic Enrichment and EDP
- Semantic Interoperability
- Data Quality Assurance
- Quality Dashboards
This course provides a comprehensive overview of the OGC API Standards and how they can be used to facilitate the interoperability of geospatial services.

The course includes multiple real-life use cases in addition to general overviews and technical descriptions. The learning materials are cumulative, so we recommend exploring them in the given order. But if you feel confident, feel free to dive into one module or study them all!

Including modules:

- Introduction to Standards
- Common aspects of the OGC API Standards
- Data Access Standards
- Other OGC API Standards
Data and Service Integration

The modules of this course are focusing on the integration of data and services. Material is targeted to developers working for National Mapping & Cadastral Agencies (NMCAs), statistic institutions and other agencies working with spatial and statistical data.

Including modules:
- Joining spatial and statistical data
- Meteorological data integration
- Applications for OGC APIs
Youtube Channel

https://www.youtube.com/@geoe3515
Contributors

Consortium of the GEOE3 project

National Land Survey of Finland
Finnish Meteorological Institute
Statistics Finland
Spatineo (Finland)
Norwegian Mapping Authority
Cadastre, Land Registry and Mapping Agency, The Netherlands
Open Geospatial Consortium (OGC) Europe
Centro Nacional De Información Geográfica, Spain
Estonian Land Board
Information Technology Center of the Ministry of the Environment Estonia
Aventi Intelligent Communication Norway
Direcccion General Del Catastro, Spain
### GEOE3 Academy - Module content format

<table>
<thead>
<tr>
<th>Name of the module:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writers of the module:</td>
</tr>
</tbody>
</table>

**THIS TEXT GOES TO THE WEBSITE:**

**Module presentation: key message (3 sec)**

**Module presentation: summary of the content (30 sec)**

**Module presentation: data, statistic, prove – write a bullet list. Motivate the learner. (5 min)**
Glossary

OGC Glossary

Abstract Data Type
The basic information construct used by the GeoMobility Server and associated Core Services. Consists of well-known data types and structures for location information. Defined as application schemas that are encoded in XML for Location Services (XLS).

accuracy
The degree to which information on a map or in a digital database matches true or accepted values. Accuracy pertains to the quality of data and the number of errors contained in a dataset or map. In discussing a GIS database, it is possible to consider horizontal and vertical accuracy with respect to geographic position, as well as attribute, conceptual, and logical accuracy. The effect of inaccuracy and error on a GIS solution is the subject of sensitivity analysis. Accuracy, or error, is distinguished from precision, which concerns the level of measurement or detail of data in a database.
User groups

• Location Innovation community
• Universities - Academy
• UN Bodies
• GEO
• Stakeholders Policymaker
• National Mapping Cadaster Agencies
• Developers
• System Administrators
• .....

[Image]
GEO Secretariat

Potential to use the Academy for the Open Knowledge Hub
376 users from more than 56 countries

Data Management
158 users, 22 completed

Service Management
99 users, 13 completed

Data and Service Integration
88 users, 13 completed

First courses, modules and sections were the most popular ones
Let’s take a Closer look at the modules

<table>
<thead>
<tr>
<th>Module name</th>
<th>The most common section and its views</th>
<th>Feedback Answers</th>
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<tbody>
<tr>
<td>Introduction</td>
<td>1. Introduction to Data Management 313 views by 118 users</td>
<td>5</td>
</tr>
<tr>
<td>Open Data and Licences</td>
<td>1. Introduction to spatial data 278 views by 102 users</td>
<td>42</td>
</tr>
<tr>
<td>Semantic Interoperability</td>
<td>2. Introduction to Interoperability 58 views by 22 users</td>
<td>12</td>
</tr>
<tr>
<td>Data Quality Assurance</td>
<td>1. Data Quality 73 views by 39 users</td>
<td>21</td>
</tr>
<tr>
<td>Quality Dashboards</td>
<td>1. Dashboards help understand data platforms 39 views by 15 users</td>
<td>7</td>
</tr>
<tr>
<td>Metadata, Semantic Enrichment and EDP</td>
<td>1. Metadata Profiles and Associated Metadata Standards 203 views by 57 users</td>
<td>28</td>
</tr>
<tr>
<td>Introduction to Standards</td>
<td>1. Interoperability and Standards 188 views by 52 users</td>
<td>26</td>
</tr>
<tr>
<td>Common aspects of the OGC API Standards</td>
<td>1. OGC API Standards as Building Blocks for Geospatial Data 160 views by 41 users</td>
<td>18</td>
</tr>
<tr>
<td>Data Access Standards</td>
<td>1. Introduction to OGC API Features 126 views by 31 users</td>
<td>16</td>
</tr>
<tr>
<td>Other OGC API Standards</td>
<td>1. Introduction to OGC API Joins 98 views by 31 users</td>
<td>14</td>
</tr>
<tr>
<td>Joining spatial and statistical data</td>
<td>1. Datasets in Data Joining 113 views by 44 users</td>
<td>16</td>
</tr>
<tr>
<td>Meteorological data integration</td>
<td>2. Case Finland 73 views by 25 users</td>
<td>11</td>
</tr>
<tr>
<td>Applications for OGC API’s</td>
<td>1. The use and importance of service metadata in OGC API 127 views by 29 users</td>
<td>11</td>
</tr>
</tbody>
</table>
Conclusion of the given feedback

- Modules rating between 1-5, where 1 is bad and 5 is perfect:
  - Not many 1/5 or 2/5 votes
  - Average for the most modules is 4

- More than half of the feedback is written in Spanish

- Interactive tools and examples, such as tests, were asked multiple times

- A lot of very useful and professional feedback related to the contents

- Not many technical problems 😊

Feedback of the "Open data and Licenses" module, as an example
To be discussed

Can you suggest a good approach?

- Quality ensure
  - Detect outdated content

- Contributors
  - How to become a trainer?
  - Who is allowed to provide content?

- Content
  - Size of the modules
  - Selection of topics
Thank You

Community
500+ International Members
110+ Member Meetings
60+ Alliance and Liaison partners
50+ Standards Working Groups
45+ Domain Working Groups
25+ Years of Not for Profit Work
10+ Regional and Country Forums

Innovation
120+ Innovation Initiatives
380+ Technical reports
Quarterly Tech Trends monitoring

Standards
65+ Adopted Standards
300+ products with 1000+ certified implementations
1,700,000+ Operational Data Sets
Using OGC Standards
CONTACT DETAILS

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