OUTLINE

• Background
• Oskari
• Table Joining Service
• Standard revision
BACKGROUND

- INSPIRE-directive
  - Statistical Units (SU), Administrative Units (AU)
  - Statistical data
- Reporting needs for combined data
- Duplicating data is not desirable
• Oskari is a tool for easily building multipurpose web mapping applications utilizing distributed Spatial Data Infrastructures like INSPIRE.

• For creating Embedded map clients onto other websites very efficiently

• For setting up Geoportals or Web GIS systems

• For setting up advanced web-based tools, such as decisionmaking support services and data analysis tools

• Multilingual – English & Finnish full coverage, 15 other languages with partial coverage

• Open source (MIT & EUPL)

• Developed within a community of 33 organizations (public and private sector)

• OSGeo Incubating Project
Browser-based Applications with Maps and Indicators

Oskari

Embedded Maps

SAAS

RPC

Standard interface

Standard interface

Standard interface

Standard interface

Statistical data

INSPRIR data

ELS data

Raster

Metadata

GML
UNECE Workshop on Integrating Geospatial and Statistical Standards

Session 3: Challenges and Solutions for Creating Geospatial Statistical Outputs
TABLE JOINING SERVICE

- OGC standard from 2010
- Similar to other web service standards
  - GetCapabilities describing the service
  - Data Access Operations for data retrieval
  - Data Joining Operations for performing data joins
- GDAS used for all communication
- Not widely used and implementations are hard to find
STANDARD REVISION

• National Land Survey of Finland has started the process to revise the standard
• Use cases and preliminary development ideas collected
• Change requests formed based on collected ideas
• Status of the revision process
CHANGE REQUESTS

• CR430: More flexibility for input and output formats
  • CSV, Excel, SDMX, JSON-stat, WFS (GML), GeoJSON

• CR431: Enhancements for data joining
  • Metadata for the join operation (number of mismatches, possible errors, metadata creation)
  • Optional case insensitivity when joining data
  • Combining multiple attributes with one join operation

• CR432: Data handling in TJS
  • Normalizing data (e.g. calculating population density)
  • Handling one-to-many situations (e.g. count average, combine)

• CR433: Persistent ID’s and mapping enhancements
  • Demanding the use of persistent ID’s or offering mapping of ID’s as a service
REVISION PROCESS

- Technical Committee approval (done)
- Planning Committee approval
- Kick-off
- 1-5 meetings and revision work in between meetings
- Commenting period
- SWG responds to the received comments
- Vote on the revision
- New standard approved
THANK YOU

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