Czech Republic LADM country profile

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Motivation for LADM country profile

• **Building of the Czech National Spatial Data Infrastructure**
  • Considering the adoption of the ISO 19152 (LADM) standard in various government initiatives -> **there is a need for LADM knowledge**

• **Feedback** received during presentations and interviews
  • e.g. Czech Union of Surveyors and Cartographers (a member of FIG)
  &: **there is a need for 3D cadastre**

• **Discussion** between members of the National Mirror Committee 122 Geographic information/Geomatics
  • Czech version of ISO 19152 exists since October 2013
  • -> **there is a need for the country profile based on LADM**
LADM based country profile - Aims

1. To have a LADM based country profile reflecting the current cadastral registration with possible extension to 3D in a standardized way.

2. To determine a compatibility between LADM and Czech cadastral data model.
Design of the Czech profile based on LADM

0) Physical model is not known (to public)

1) Reverse engineering: Physical model -> Logical model -> Conceptual model

2) Mapping of Czech tables (classes) on LADM classes where possible

3) Inheritance from LADM classes
Conformity testing

• ISO 19152 Annex A - Abstract Test Suite

• Table A.1 gives an overview per package to check for LADM compliancy.

• Possible ways to document the positive results:
  1) Show inheritance structure between the LADM and the tested model (elements), or
  2) Show mapping of elements between the LADM and the tested model.

• The Czech profile is conformant with LADM at level 2
Thank you for your attention!

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