Report and update from Working Group A on Core Data

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Progress of the Working Group since March 2016

Plan of the presentation

• WGA Work Plan

• **Common principles** for
  “Recommendation for Content” of Core Data

• Draft recommendations for content
  of core data themes **CP, AD, GN**
WGA Work Plan
WGA Work Plan

Political and financial framework
- Additional measures
- Good practices
  - Case studies

Economic model for production and diffusion of core data
- Licensing
- Open data
- Input from existing initiatives and projects
- Production or upgrade processes

Remains to be done (2018)

Recommendations for Content
- Core data scope
- Recommendations for Content

Core Data Scope: done
Recommendations for content (2016-2017):
- Common Principles
- 3 themes drafted
Reminder: Core Data Scope

The 14 selected core data themes

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Common Principles
For “Recommendations for Content”
of Core Data
Recommendations for Content Principles - Objectives

• INSPIRE aims to harmonise existing data
  – Common data model → first level of interoperability
  – But still heterogeneous data
    • voidable attributes, level of detail not defined

• Core data aims to complement INSPIRE by ensuring common (minimum) content

→ WG A Deliverables have been renamed
  – From “Core Data Specifications”
  – To “Recommendations for Content”
Recommendations for Content Principles - Methodology

• Starting points
  – INSPIRE data specifications
  – SDG user requirements

• Define priorities, extract core data
  – From INSPIRE data model & theme scope

• Decide on levels of detail, quality criteria
  – To ensure data homogeneity
Recommendations for Content Principles (cont.)

Step-wise approach:

- **Core recommendation**: 1\textsuperscript{st} priority, achievable, ideally short term action

- **Good practice**: 2\textsuperscript{nd} priority, brings added value to core data, to be encouraged

- **Considerations for future**: potential core data in long term
Draft Recommendations for Content

First Results of the Working Group For Themes CP, AD, GN
Draft Recommendations for Content

First Results of the Working Group Theme “Cadastral Parcels”
Geographic extent

- **Core recommendation**: have core CP (vector) data on whole territory, according to national law

- Potential impact on data producers
  - Encourage achievement of cadastre under elaboration

- Benefits for SDG
  - Security of land ownership & transactions
    → Enables investments (mortgage) & economic growth
Geographic extent

Good practice: have CP data on whole land territory, including public domain

• Potential impact on member states:
  – Possible change in national legislation
  – Need to survey missing parts

• Potential benefits
  – Better manage public land
  – E.g. SDG indicator 11.7.1: “The average share of the built-up areas of cities in open space in public ownership and use”
Geographic Extent

• **Consideration for future**: have marine cadaster

• Conclusion of cadastral community WG: Not yet mature
  – e.g. what has to be surveyed?

• Potential benefits for SDG
  – Sustainable development of oceans
Strategy for Core Cadastral Parcels

- Encourage cadastral parcels to form a partition of territory
  - Geographic extent
  - Completeness
  - Topology (no gaps or overlaps)
  - Cadastral parcels as single areas

- Encouraging efficient link with land registry
  - Model focus on national cadastral reference
  - Temporal consistency between cadastral map and land registry
Draft Recommendations for Content

First Results of the Working Group Theme “Addresses”
Core Address Data - Scope

- Proper level of address data

Core recommendation:
- The core addressable object is a building that has its own personnel entrance
Core Address Data – Scope

1. **No Poverty**
   - Access to basic services

2. **Good Health and Well-Being**
   - Reduce the number of deaths and illnesses

3. **Affordable and Clean Energy**

4. **Clean Water and Sanitation**

5. **Decent Work and Economic Growth**

6. **Sustainable Cities and Communities**

- Real estate
- Mortgage lending
- Financial services
- Ambulance
- Mail
- Courier
- Navigation
- Forms
- Garbage removal
- Elections
- Utilities
- Deliveries

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**UN-GGIM**
**UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT**
GEOSTAT 2 and AD Core Data

• Already considered by WG A
  – Completeness
  – Coverage
  – Accuracy (couple of meters)
  – ETRS-89
  – True address - Full street address
  – Reference AD data shared by all
  – Temporal management

• Not yet considered by WG A
  – Cross-theme consistency
    • Address has to be on the right side of the street and to be in the right SU
  – Need for nationally and officially agreed geocodes or identifiers

Priorities to be revised
Draft Recommendations for Content

First Results of the Working Group Theme “Geographical Names”
GN context and scope

• Purpose
  – Avoid duplication of core data production

→ Core theme GN limited to named place not present in other themes
  – Mainly populated areas (settlements, cities)
  – But also Landform (mountains ...), Land Cover (forest ...)

• GN data for 2 main use cases
  – Search criteria
    • in gazetteer services, geo-portals, geo-catalogues, ...
  – Mapping
Recommendations: Examples

- Use of EGN classification
  - For type of named place
- All names that are in current use
- Names with language, status
- Information on population
- True geometry (generally surface)
Next Steps
Draft Recommendations for Content Review Going On

• Drafts published on UN-GGIM: Europe website
  http://un-ggim-europe.org/content/wg-a-core-data
  – CP
  – AD and GN coming soon

Core data to be adopted and promoted
  By the geo-statistic community not only by WG A

• Your review would be welcome for producing the Final Deliverable
  – Deadline: End of May for CP (tbc)
  – Expected Comments:
    • Unclear recommendations
    • Irrelevant recommendations
    • Important topics missing
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<th>Analysis</th>
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Thank you for your attention