



GI Norden Board Meeting

Klitgaarden, Skagen 1.6.2007

State of play report concerning GI in Finland

source:

Maarit Mikkelsen and

Status report of Finland: Reino Ruotsalainen

Copenhagen, 2007-05-14

Key topics

INSPIRE

- National Council of Geographic Information
- National INSPIRE working group
- National metadata catalogue
+National geoportal

EUROGI

Standardization

- National recommendation

**The next president of GI Norden will be from Finland
New board member**

National Council of Geographic Information

- **all remarkable GI organisations are as members**
- **task to design and implement the national GI strategy**
- **divided in 4 sections:**
 - **metadata section**
 - **harmonisation section (data specifications etc.;**
 - Report: “Improving operational efficiency with geographic Information”
http://www.mmm.fi/attachments/5eWDNtABr/5mfRbNB7P/Files/CurrentFile/MMM_12a_06_net.pdf
 - **‘network services and co-operation’ section**
 - **research and education section**
- +joint planning team
- **secretary general (Antti Vertanen) is also Finland's INSPIRE contact person**
- **the lifetime of the council will end at the end of this year (new council for the next 3 years ???)**

National INSPIRE working group (nominated by Ministry of Agriculture for 2007)

- **Evaluate the legal aspects of INSPIRE and recognize the required changes in the national legislation (law for GI infrastructure?)**
- **Evaluate the operational and economical influences of INSPIRE**
- **Propose, how the national network services and geoportal could be organised and financed**
- **Propose, how the access and quality of GI datasets could be guaranteed**
- **Propose the national structure for co-operation and coordination of INSPIRE implementation**

National metadata catalogue + National geoportal

- **Renewing of the national metadata catalogue (based on ISO metadata and OGC CS) delayed, but to be taken into use in the end of May 2007);**
 - **Obs. Discovery Services Implementing Rule to be noticed later**
- **EuroGeographics' EuroMapFinder (GeoTask) as basis for the technical solution (+OGC CS), but it has been never tested throughout (?)**

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Planning of national geoportal is going on (NLS completed pre-study in the end of January 2007).

EUROGI

- **Antti Vertanen will be in the board of EuroGI next 2 years mandate of the Nordic countries**
- **Antti will participate in EC GI&GIS workshop on July**

National recommendation

Developing of national recommendations for

- **Metadata of GI (19115+19139)**: ready; + guidelines for the users under preparation
- **Quality management of GI (19113,19114,19138)**: ready; contains also aspects of ISO 9000 standardisation
- **Modelling of GI** (for data transfer; 19109, 19118, 19136 etc.): ready; written by FGI
- **Content services of GI (i.e. WMS, WCS, WFS, FE)**: under development; pilot project for testing the draft recommendation and WFS (Helsinki, Espoo, Vantaa, NLS, etc.)

National recommendation

Under development are the national recommendations for

- **Municipal data transfer based on GML encoding** (modelling & data transfer of municipal large scale maps and other spatial data of the cities)
- **Modelling of city plans** [and utilities in a separate project]
- **The new vertical reference system N2000** [~EVRS2000].
- **Metadata for Imagery & Gridded Data**
 - **Obs. ISO 19115-2 not yet ready.**

National recommendation

National recommendation: Modelling of GI (draft)

1. Introduction

- 1.1 Basic concepts of the modelling
- 1.2 Relations between the geographic features
- 1.3 Inheritance between the feature classes
- 1.4 Application schema language

2. Scope and use

3. Normative references

4. Terms and definitions

5. Abbreviations

6. Content and structure [of the recommendation]

7. References

Appendices I-IV

Appendix I: UML notations in GI modelling

Appendix II: General Feature Model (GFM)

Appendix III: XML –implementation (using GML)

Appendix IV: GML Simple Features –profile

National recommendation

National recommendation: Content services of GI (draft)

Content:

Web Feature Service (WFS)

Filter Encoding (FE)

Web Coverage Service (WCS)

Web Map Service (WMS)

Thesaurus based on ISO 19115 Annex B enumeration

- Helsinki University of Technology developed the Finnish thesaurus for the national GI catalogue
- Based on the list B.5.27 MD_TopicCategoryCode << Enumeration >>
- Will there be any guiding from INSPIRE Implementing Rules (or based on the themes listed in INSPIRE Annexes)?
- Possible Nordic co-operation?
 - Swedish thesaurus?

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**Paula Ahonen, Lecturer,
D.Sc (Tech.)**

**Helsinki University of
Technology**

Tel.: +358-9-451 3919

Fax.: +358-9-465 077

e-mail:

Paula.Ahonen [a] tkk.fi

New board member

Kristina Karppi , (M.A)

**Co-ordinator of co-operation of the
work of geographical information**

Lounaispaikka

address:

**Lounaispaikka
Varsinais-Suomen liitto
Ratapihankatu 36
PL 273
20101 Turku**

**telephone: +358 2 2100 945,
+358 40 746 7980**

Fax +358 2 2100 904

Email:

kristina.karppi[a]varsinais-suomi.fi

