

UN-GGIM: Europe Plenary
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Working Group A – Core Data

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WG A Objectives



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WG A Objectives

- Context
 - INSPIRE → **first interoperability level**
 - Common data models
 - INSPIRE data remain **heterogeneous**
 - Many information items “voidable”
- WG A Objectives
 - Increasing **data harmonisation** by proposing **core** geospatial data
 - Provide **specifications for core data** in accordance with INSPIRE
 - Report on economic model, political and financial frameworks



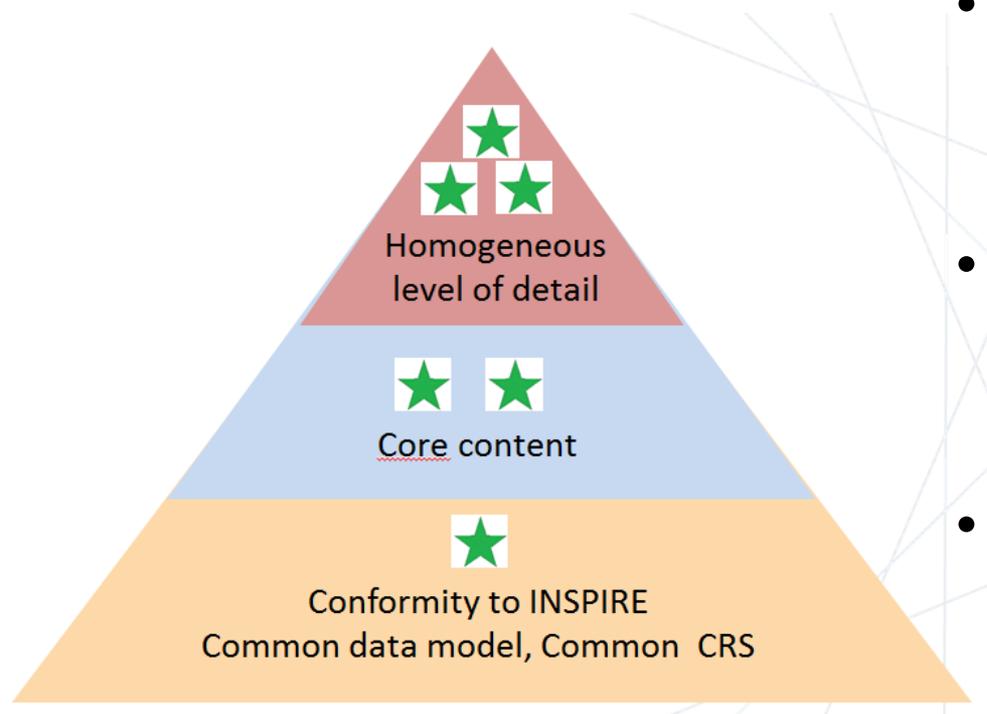
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WG A Objectives (cont.)

- Go over to higher harmonisation levels
- Selecting a **core content** from INSPIRE
- Defining quality criteria to ensure core data **homogeneity**



Data harmonisation levels (ELF project)



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Selection of Core Data Themes



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Selection of Core Data Themes

User Requirements Investigation

- Identified the SDG targets that “consume” GI
- For each selected SDG target
 - Identified
 - use cases
 - geographic data necessary
- For each INSPIRE data theme
 - Made a summary of use cases



EL

source

To make OI

To delimit
DrainageBasins (HY)

analysis

Forecast propagation of physical phenomena (risk, water, sun, pollution, winds ...)

Understand influence on ecosystems and climate change

Influence city spreading

operational

decision

Find relevant place for project (slope, sun, visibility,...)

Find relevant activity on given area (species...)

communication

Background 2D map

3D models (risk, projects...)

monitoring

Protection of landscapes (visibility)

Selection criterion: Geospatial data the most required by SDG use cases, either directly or indirectly (as framework)

→ Final list of selected core data themes

Annex I

Coordinate Reference Systems

Geographical Grid Systems

Geographical Names

Administrative Units

Addresses

Cadastral Parcels

Transport Networks

Hydrography

Protected Sites

Annex II

Elevation

Land Cover

OrthoImagery

Geology

Annex III

Statistical units

Buildings

Soil

Land use

Human health and safety

Governmental services

Environmental monitoring facilities

Production and industrial facilities

Agricultural and aquaculture facilities

Population distribution - demography

Area management/restriction/regulation

Natural risk zones

Atmospheric conditions

Meteorological geographical features

Oceanographic geographical features

Sea regions

Bio-geographical regions

Habitats and biotopes

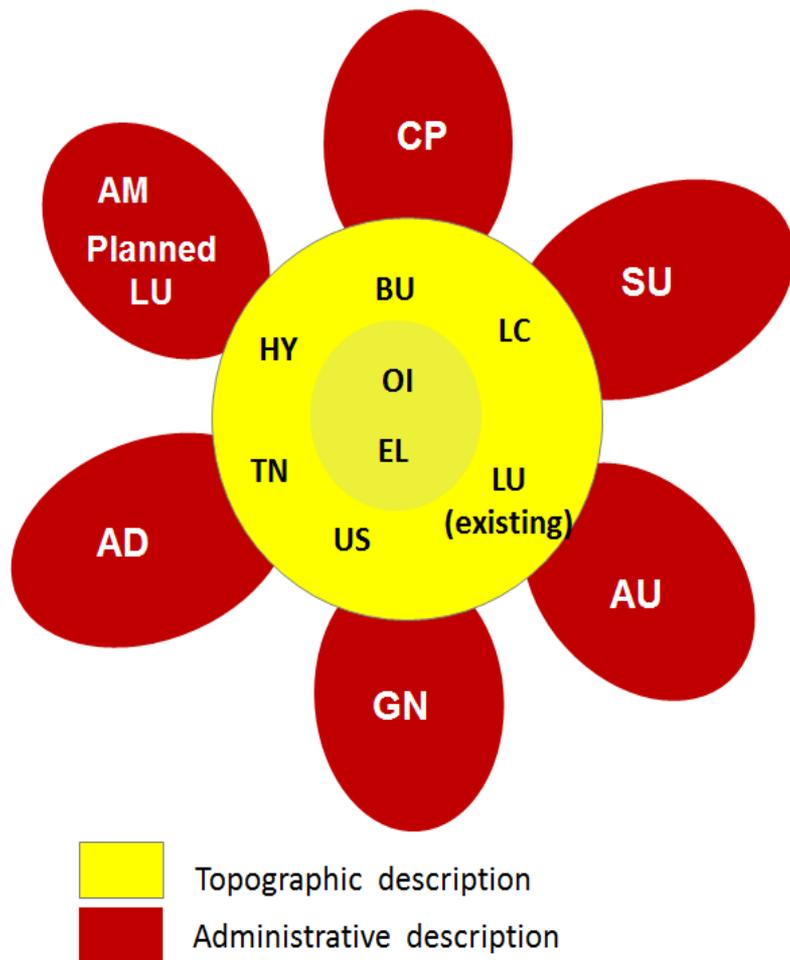
Species distribution

Energy resources

Mineral resources

Selection of Core Data Themes

Main Learnings



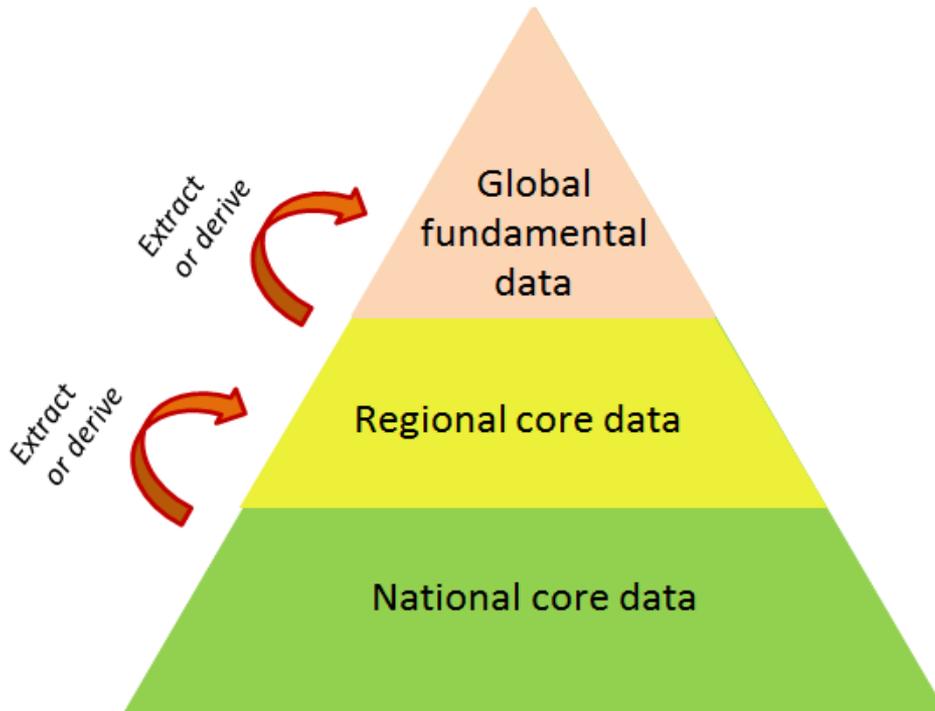
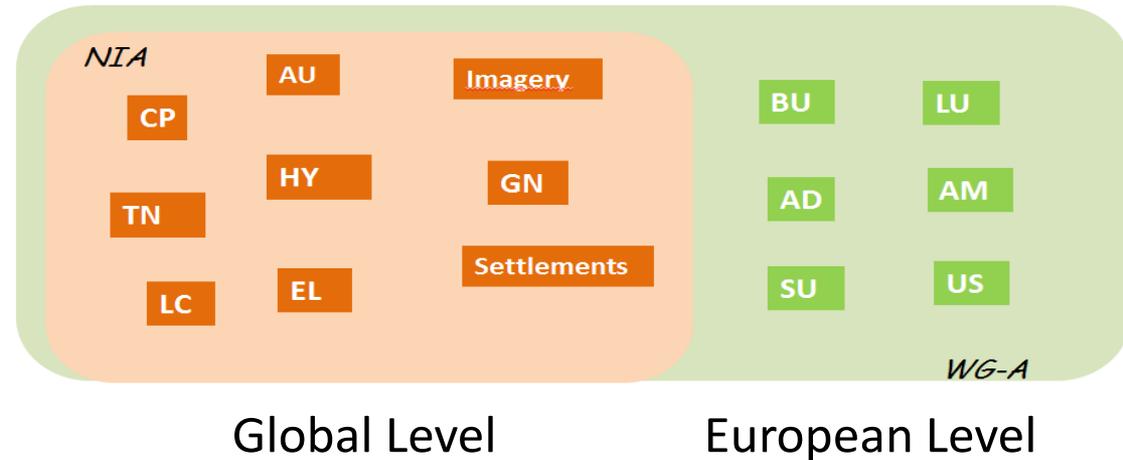
- Topographic Themes
 - direct use for SDGs
- “Administrative” Themes
 - indirect use: ability to be combined with other data



Selection of Core Data Themes

Main Learnings

- Nesting of Core Data



Specifying Core Data



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Specifying Core Data: Ongoing Work

- 3 core themes to be specified before end 2016
 - Cadastral Parcels
 - Geographical Names
 - Addresses or Administrative Units
- All core themes to be specified in 2017



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Specifying Core Data: Principles

- INSPIRE specifications
 - Starting point
- Extract core content, define priorities
 - Select most useful feature classes and attributes
 - Narrow the scope
- Decide quality criteria e.g. level of detail
- Reasonable ambition to ensure feasibility
- Example: INSPIRE theme Transport
 - Restrict core data to road & rail networks and airports
 - Propose to include master level of detail (large scale)



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Thank you for your attention



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