

Fifth Plenary Meeting of UN-GGIM: Europe  
Brussels, Belgium, 5th - 6th June 2019

# UN-GGIM: Europe Working Group on Core Data Report

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# Introduction – Reminder



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# What is Core Data?

- Core data is **priority data**
  - Geospatial data
  - The most useful to analyse, achieve, or monitor the SDGs
  - Directly or indirectly



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# Working Group on Core Data: objectives

- **Define Core Data** and encourage UN European Member States to produce and supply it
- Common SDG requirements
  - Selected 14 core themes out of 34 INSPIRE 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

Utility and 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

# Working Group on Core Data: objectives

- **Define Core Data** and encourage UN European Member States to produce and supply it
- Common SDG requirements
  - Selected 14 core themes out of 34 INSPIRE themes
  - 'Recommendations for Content' for core themes, based on INSPIRE
  - Priorities for producing new data or for improving existing data
  - Common (minimum) content



# Working Group on Core Data: iterative process

- Phase 1: Preparation (investigation, discussions...)  
→ initial draft
- Phase 2: Review by WG A on core data  
→ consolidated draft
- Phase 3: Review by whole geo-statistical community  
→ definitive deliverable



# State of Play

## Core Data Themes



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# Overview

- Final deliverable ready or almost ready for themes

- Cadastral parcels
- Addresses
- Buildings
- Administrative Units
- Statistical units
- Geographical Names
- Basic Services

- Main progress since previous meeting (June 2018)

- Area Management
- Ortho-imagery
- Hydrography
- Elevation
- Transport Network

- Difficulties with themes LC/LU

— flexible approach in INSPIRE, various practices => **hard to find common content**

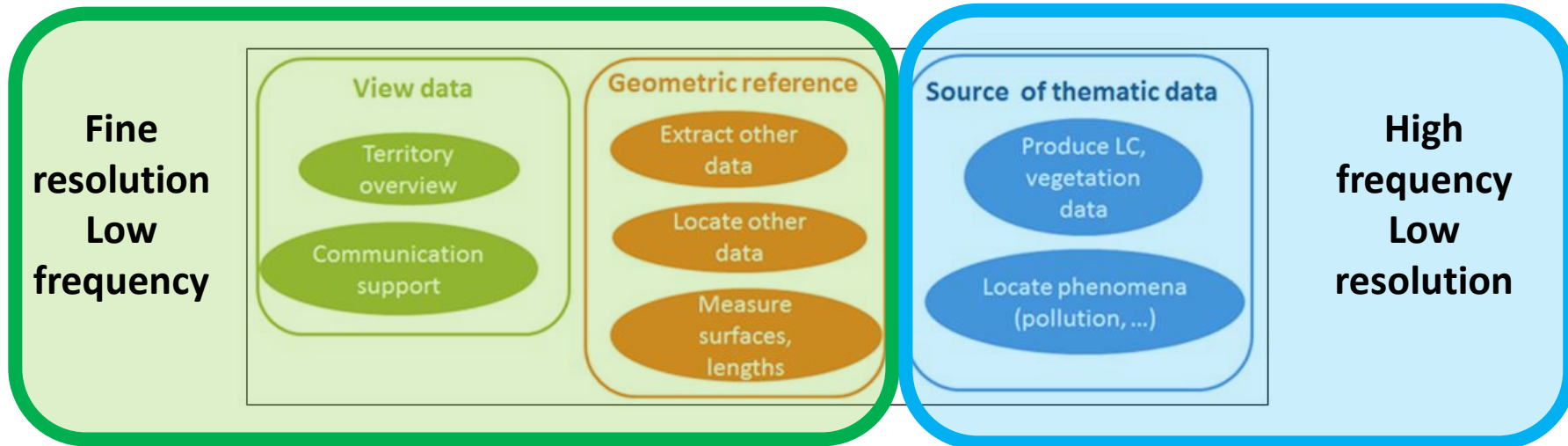


# Global State of Progress

| Theme | Analysis          | Decision making |  |  |  | Draft Deliverable | Consolidated Draft<br><i>After WG A Review</i> |  | Final Deliverable<br><i>After General Review</i> |  |  |
|-------|-------------------|-----------------|--|--|--|-------------------|--|--|--|--|--|
| AD    |                   |                 |  |  |  |                   |  |  |  |  |  |
| AU    |                   |                 |  |  |  |                   |  |  |  |  |  |
| BU    |                   |                 |  |  |  |                   |  |  |  |  |  |
| CP    | The most advanced |                 |  |  |  |                   |  |  |  |  |  |
| GN    |                   |                 |  |  |  |                   |  |  |  |  |  |
| SU    |                   |                 |  |  |  |                   |  |  |  |  |  |
| US    |                   |                 |  |  |  |                   |  |  |  |  |  |
| AM    |                   |                 |  |  |  |                   |  |  |  |  |  |
| OI    |                   |                 |  |  |  |                   |  |  |  |  |  |
| EL    | Good progress     |                 |  |  |  |                   |  |  |  |  |  |
| TN    |                   |                 |  |  |  |                   |  |  |  |  |  |
| HY    |                   |                 |  |  |  |                   |  |  |  |  |  |
| LC    | In development    |                 |  |  |  |                   |  |  |  |  |  |
| LU    | In development    |                 |  |  |  |                   |  |  |  |  |  |

# Core Theme 'Orthoimage'

- Main recommendations
  - Several products required

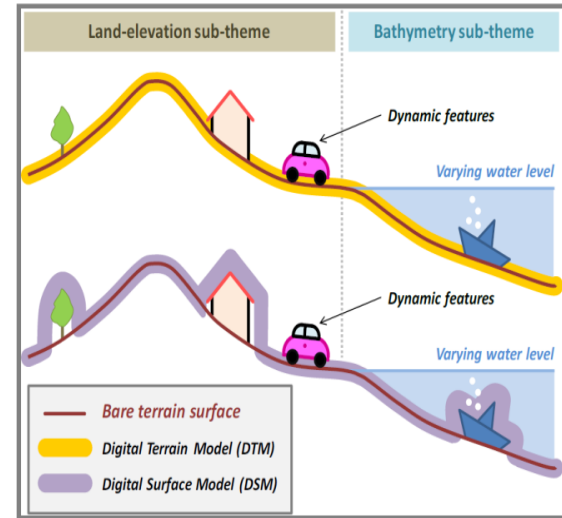


- State-of-play
  - Version 1 published in April 2019
  - Under review by geostatistic community (until end of June)



# Core Theme 'Elevation'

- Main recommendations
  - Several products required
    - Several levels of detail
    - Interest for both
      - DTM: Digital Terrain Model
      - DSM: Digital Surface Model
- State-of-play
  - V1 to be published soon



# Core Theme 'Transport Networks'

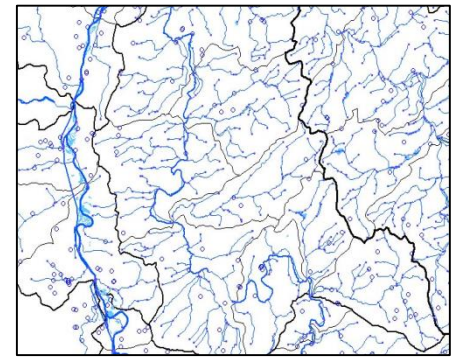
- Main recommendations
  - Core content:
    - **Road and railway networks**
    - Air and water transport infrastructures (**ports, aerodromes**)
    - Navigability of watercourses in theme Hydrography
  - Correct topology is key quality requirement
  - Need for several levels of detail
- State-of-play
  - V1 published in May 2019
  - **Review by geo-statistical community** (until end of August )

Close to  
ERM



# Core Theme 'Hydrography'

- Main recommendations
  - Core content:
    - **Hydrographic network**
    - Standing waters (lakes, ponds), **Drainage Basins**
    - Description of coast (**Shoreline** – Shore)
  - Correct topology is key quality requirement
  - Need for several levels of detail
  
- State-of-play
  - Initial draft published in April 2019
  - **Review by WG A has just finished**



# Core Theme 'Regulated or Managed Areas'

- Main recommendations

- Core content based on the common elements of INSPIRE data models:

- Geometry - Classification - Name (if any)
- Identifier(s) - Validity period - Link to legal text

- **General guidelines** but most of the standardisation work (priorities, classification) to be done at national level

- State-of-play

- V1 published in May 2019

- **Review by geo-statistical community** (until end of August )



# A word about related initiatives



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# Needs of the European Commission

- Issue

Today there are **no easily available pan-European products** though the INSPIRE infrastructure facilitates EU-level use cases

- Core spatial data needs

- selected by the Commission
- based on identified **requirements within European institutions**



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# INSPIRE MIG

## (Maintenance and Implementation Expert Group)

- *"Priority Geospatial Datasets for the European Commission"*
  - Presented by Eurostat during the MIG meeting of 22<sup>nd</sup> June 2018
  - Drafted a **priority list of core spatial datasets** for core themes
    - » Administrative Units
    - » Statistical Units
    - » Addresses
    - » Cadastral Parcels
    - » Buildings
    - » Transport Networks
    - » Postal Codes
    - » LPIS

UN-GGIM: Europe core themes

- Proposed action: **Core Spatial Data**

For INSPIRE Maintenance and Implementation Work Programme (MIWP) 2016-2020 during the MIG meeting of 26<sup>th</sup> November 2018



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# INSPIRE MIWP 2016-2020 - *Core Spatial Data* Actions proposed to Member States

- Short term (2019)  
Make data available per core data theme as is through INSPIRE Services
- Medium term (2020)  
Make data available per theme according to INSPIRE Data Specifications
- Long term (end of 2021)  
Make data available enhanced according to **UN-GGIM: Europe core specifications**



# INSPIRE MIWP 2016-2020 - *Core Spatial Data* Organisational set-up proposed

- A dedicated MIG sub-group
  - consisting of experts from countries and EU institutions
  - coordinated and supported by JRC and Eurostat
- Scope of the sub-group
  - To develop further a **list of core spatial data**
  - **To support MSs** by making these datasets **accessible** through the European SDI in a stepwise manner
  - To compile **pan-European datasets**
- Funding of the sub-group
  - DG ENV
  - Additional funding to explore with funding instruments (ISA<sup>2</sup>, Life...)



# INSPIRE MIWP 2016-2020 - *Core Spatial Data* Nov. 2018 MIG Conclusion

- Dedicated MIG sub-group **not created now**  
For some MSs, UN-GGIM: Europe is out of current INSPIRE's scope
- But this remains an **interesting avenue for the future**  
Its consideration is postponed to negotiation of the INSPIRE review of 2024
- In 2019 the Commission will organise
  - a sub-website of the EU Geoportal for core data
  - a **meeting with MSs and Commission DGs** about core data



# Conclusions



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# Time for implementation is coming!

- Recommendations for content are planned to be ready for all core themes in 2020
- Core data has raised the interest of users (statistical community, European Commission)
- **Implementing core data seems a good opportunity to better serve SDGs**



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**Thank you for your attention**



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# Time for implementation is coming!



In 2020

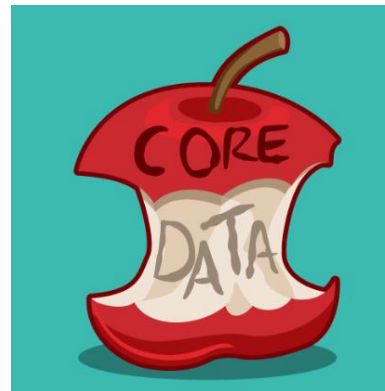
be

in the starting blocks

to



implement



core data

