

EFGS – 10 November 2015 – Vienna

# **UN-GGIM: Europe Work Group A**

## **European Core Data**

François Chirié (France)



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# WG A Current Status



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# Background and purpose

- Aim of Work Group A
  - to propose core geospatial data for Europe
- Definition of 'Core Data'
  - the minimum set of authoritative geospatial data needed to meet requirements common to member states



# Approach:

## Core data = minimum framework

- Core data: **reasonable extension**
  - To ensure the **feasibility** of their implementation
  - Core data cannot meet directly all user needs of all specific topics
  - Key issue: Which data themes to select/dismiss?
- But core data may be used as a **skeleton**
  - on which **other geospatial data** (more specific, richer, more detailed, more thematic) could **rely and be built**



# Approach: WGA Phases

## Phase 1: determine **core data scope**

- 2014 - 2015
- Select the INSPIRE data themes to be included in core data
- Investigating user requirements

## Phase 2: work out **core data specifications**

- 2016
- Select feature types and attributes from INSPIRE models
- Define quality criteria to foster data homogeneity and to meet user requirements

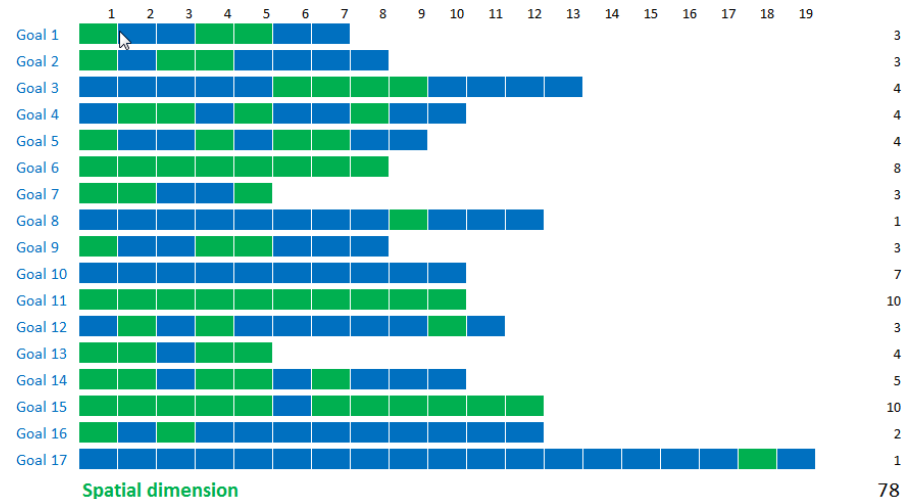


# Approach: User Requirements

- UN SDG

- Assess data needed to support UN Sustainable Development Goals (SDG)
- Identify the SDG targets using GI

Eurostat selection  
Selection of WG A is  
very close



- INSPIRE use cases

- Investigated to find and to justify user requirements

- Experts in sustainable development

- Interviewed



# Links between core data and statistical data



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# Analysis of the links between core data and statistical data

- 3 March 2015 Luxembourg
  - Joint UN-GGIM: Europe – ESS meeting on the integration of statistical and geospatial information
  - Highlighted the necessity for WG A to analyse the requirements of NSIs
- Draft circulated to WG B in July 2015
  - Relevant comments
  - Report from the task force on the integration of statistical and geospatial information





# Requirements of NSIs for geospatial data

- Old view of the statistical production process
  - Geospatial data for production
  - Geospatial data for dissemination
  - Separated and included in different processes
- New vision of the statistical production process
  - **The spatial reference framework**
    - Geospatial data needed to directly **geocode** data sources for statistics
  - **Geospatial data** used for production and dissemination of **spatial statistics**
    - Statistics for monitoring SDG



# The spatial reference framework (data category 1)

- **Administrative** data sources
- **Topographic** supporting these data sources
- All these themes need to be **integrated** and fit for **spatial analysis**
  - Example
    - administrative boundaries integrated with topographic data
  - Purpose of spatial analysis
    - select information or derive new information with a focus on their spatial characteristics



# **Data supporting** the production of **spatial statistics** for monitoring SDG

- **Data sources for statistics** (data category 2)
  - that need to be geocoded for spatial statistics
  - e.g. workplace points
- **Thematic geospatial data** (data category 3)
  - that can be used to directly create spatial statistics
  - e.g. land cover data



# Combinations of the 3 data categories

- To create a complete range of spatial statistics
- To create indicators for monitoring SDG
- Example: To investigate the number of inhabitants potentially affected by flooding
  - Population data and business register
  - Geospatial data
    - address locations, building locations, dwelling locations
    - to spatialize the population data to the locations of dwellings and workplaces
  - High quality elevation data
    - to calculate flooding areas



# Other requirements of NSIs

- Geospatial datasets with high resolution and harmonised
- Common, unique and stable identifiers
  - Links between geographical features and statistical information
- Authoritative data
  - Single official reference datasets
    - Addresses, buildings, dwellings
  - Mandatory to all public stakeholders



# WG A Next Steps



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# Probable core data scope

- Hypothesis: about 15 INSPIRE themes
  - Most themes of INSPIRE annex I e.g. (not yet decided):
    - Transport Networks, Hydrography, Elevation, ...
    - Addresses, Administrative Units, Buildings, ...
- Probably will cover most NSIs requirements, but not all



# Proposed way forward

- WG A Workshop
  - Decide which core data themes to retain
    - Where is European harmonisation most urgently needed?
  - One or two WG B representatives
- After the Workshop
  - Core data draft list circulated for comments to UN-GGIM Europe stakeholders (including NSIs)



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Thank you for your attention and contribution



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