EUROPEAN COMMISSION
JOINT RESEARCH CENTRE

Directorate B – Growth and Innovation
UNIT B06 - Digital Economy

INSPIRE Community Forum on Topographic and Cadastral Reference Data Phase 2 – 2019/2020 activity report (Deliverable – D2)

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1. STATE OF PLAY IN THE THEMATIC DOMAIN

(Summary of the thematic domain activity related to the implementation and use of INSPIRE)

1.1. Overview / list of relevant EU Projects/technology/SW activities (title, short description, URL link)

The UN GGIM Europe Working Group on Core Spatial Data asked the community members for review of the ***Core Data Spatial themes 'Transport Networks' and 'Hydrography'*** that is based on user requirements and **on the corresponding INSPIRE Technical Guidelines (data specification).** Comments have been sent directly to the working group.

https://inspire.ec.europa.eu/forum/discussion/view/261074/review-of-un-ggim-europe-deliverable-spatial-core-data-theme-transport-networks-open-to-review

https://inspire.ec.europa.eu/forum/discussion/view/264473/un-ggim-europe-deliverable-on-core-theme-hydrography-is-open-to-review

INSPIRE Energy Pilot

https://inspire.ec.europa.eu/pilot-projects/inspire-energy-pilot/440

1.2. Overview / list of selected good / highly visited / highly replied Forum contributions (your short description + link to the Forum content)

Since the restart of the INSPIRE Community Forum only a few number of discussion topics were added. 12 discussion topics have been added since June 2018. Most of them ask for clarification regarding the data specifications and data modelling. A number of questions point out the need for change in either the data specification (20) or the data model (47).

As change requests posted in 2015 to 2018 have not yet been resolved yet, the confidence in the change management is not given.

It is interesting to note that the number of views of the discussion topics is one the highest of all thematic domains: 64937.

1.3. Overview / list of relevant existing applications, services (Title, description, URL link)

There is a collection of implementation examples under the title "What is best practice for implementing INSPIRE in the topographic and cadastral reference community?"

https://inspire.ec.europa.eu/forum/discussion/view/9878/what-is-best-practice-for-implementing-inspire-in-the-topographic-and-cadastral-reference-data-community

In addition UK provided a list of examples for different themes:

https://inspire.ec.europa.eu/forum/discussion/view/219818/some-example-implementations

Example GML files were provided for themes Administrative units and Geographical names:

https://inspire.ec.europa.eu/forum/file/view/216717/gml-example-administrativeunit-and-administrativeboundary-au

https://inspire.ec.europa.eu/forum/file/view/215021/gml-example-namedplace-gn

1.4. Overview and assessment of the availability of thematic domain data sets in the EU Geoportal

The diagrams at the end of the document provide an overview of the current availability of metadata, download and view services for all themes in the thematic domain. Six of the seven themes belong to Annex I and datasets as well as services should have been made available by 23.11.2017. The number of missing resources requires an evaluation of technical and organisational issues at national and European level that prevent resources to be shown in the INSPIRE Geoportal.

The analysis of the INSPIRE Geoportal show a lack of datasets for different countries and different themes. There are no metadata, download nor view services for themes

- Addresses in Hungary, Ireland, Malta and Slovakia
- Cadastral Parcels in Switzerland

There are no metadata nor download nor view services for Greece for all themes in the thematic domain.

The statistics for France and Ireland need to be double-checked as of 15.04.2020 only was only a few number of metadata available but not services. This is a significant drop down in comparison to the previous report.

2. OVERVIEW OF THE FACILITATOR'S ACTIVITY

Forum activity

- Follow up of new discussion topics: tagging, trying to activate the community in the different thematic domains to answer open questions
- Monitoring the INSPIRE Thematic Viewer regularly

EuroGeographics INSPIRE KEN

- Workshop on use of INSPIRE data, 27.-28. Nov 2018, Warsaw https://eurogeographics.org/calendar-event/use-of-inspire-data-past-experiences-and-scenarios-for-the-future/
- Follow up webinar on use of INSPIRE data, 25. Jan 2019 https://eurogeographics.org/calendar-event/follow-up-webinar-on-use-of-inspire-data/
- Webinar on change in INSPIRE metadata, 29. May 2019 https://eurogeographics.org/calendar-event/inspire-ken-webinar-changes-in-inspire-metadata/
- Follow up webinar on use of INSPIRE data, 12. March 2020 INSPIRE by inspiration and not by obligation

INSPIRE Helsinki event

- Presentation at Experiences in implementing pan-European Services using national INSPIRE services
- Based on a discussion at the Helsinki event the facilitator is in contact with a company from Switzerland that has been interested in the data challenge "By

the Beautiful Blue Danube" providing support in understanding the data specifications and identifying suitable data sources for their project. In January and February 2020 several phone calls have been held to exchange ideas and to provide information and contacts in the field of INSPIRE transport networks. A presentation has been planned for INSPIRE conference 2020 (see below).

INSPIRE conference 2020

- It was planned to organize a joint session "INSPIRE Reference Data – Ready to take off?" to share existing INSPIRE best practices and implementation experiences for INSPIRE reference data. The session has been planned to showcasing relevant success stories regarding the above-mentioned aspects, identified within the INSPIRE Community Forum groups devoted to INSPIRE Annex I and II Reference Data themes, Software & Tools.

Further activities

- The facilitator had a meeting with data provider and contractor regarding the provision of data for Transport Network – Air to elaborate the fitness-for-use of the data model. Due to changes in the day-to-day work of air traffic control the INSPIRE data model does not reflect the collection and use of the data anymore.

  https://inspire.ec.europa.eu/forum/discussion/view/261634/tn-air-should-aerodromenode-be-a-transportnode-or-a-transportpoint

  https://inspire.ec.europa.eu/forum/discussion/view/264075/tn-air-aerodromenode-no-bidirectional-reference-to-aerodrometype-and-aerodromecategory

3. FACILITATOR'S SUGGESTIONS FOR IMPROVEMENTS

3.1. For promotion, content generation, reaching new users etc.

To increase the level of interaction of the INSPIRE community it is planned to:

- Identify, collect and publish information about successful implementations, projects and use cases as group pages
- Review, update and close the discussion topics in the light of the MIG discussion on the revision of Implementing Rules
- Closely follow the MIG-T activities and agreements on other encodings
- Elaborate and publish materials for supporting the implementation in the scope of the thematic domain themes:
  a) Templates or examples of INSPIRE conformant metadata
  b) Templates or examples of INSPIRE view and download service capabilities documents
  c) Sample INSPIRE download services gathered from Member States experiences
  d) Sample GML files gathered from Member States experiences

- Evaluate the functionality and contribute to the development of the Thematic Viewer
    - Contact those Member States without data sets and services published in the INSPIRE Thematic Viewer, asking them to explain and describe the problems and drawbacks they have for implementing them.
- Actively participate in events organized by EuroGeographics INSPIRE KEN
- As the INSPIRE conference 2020 is postponed, it is planned to held a webinar covering the planned special session “INSPIRE Reference Data – Ready to take off?“
- Contribute to the INSPIRE Community Newsletter and to act as the editor to prepare a Newsletter

3.2. For the SW collaboration platform used including the new functionality and better management

Nothing for the moment, still trying to get used to the new functionality of the platform.

Addresses

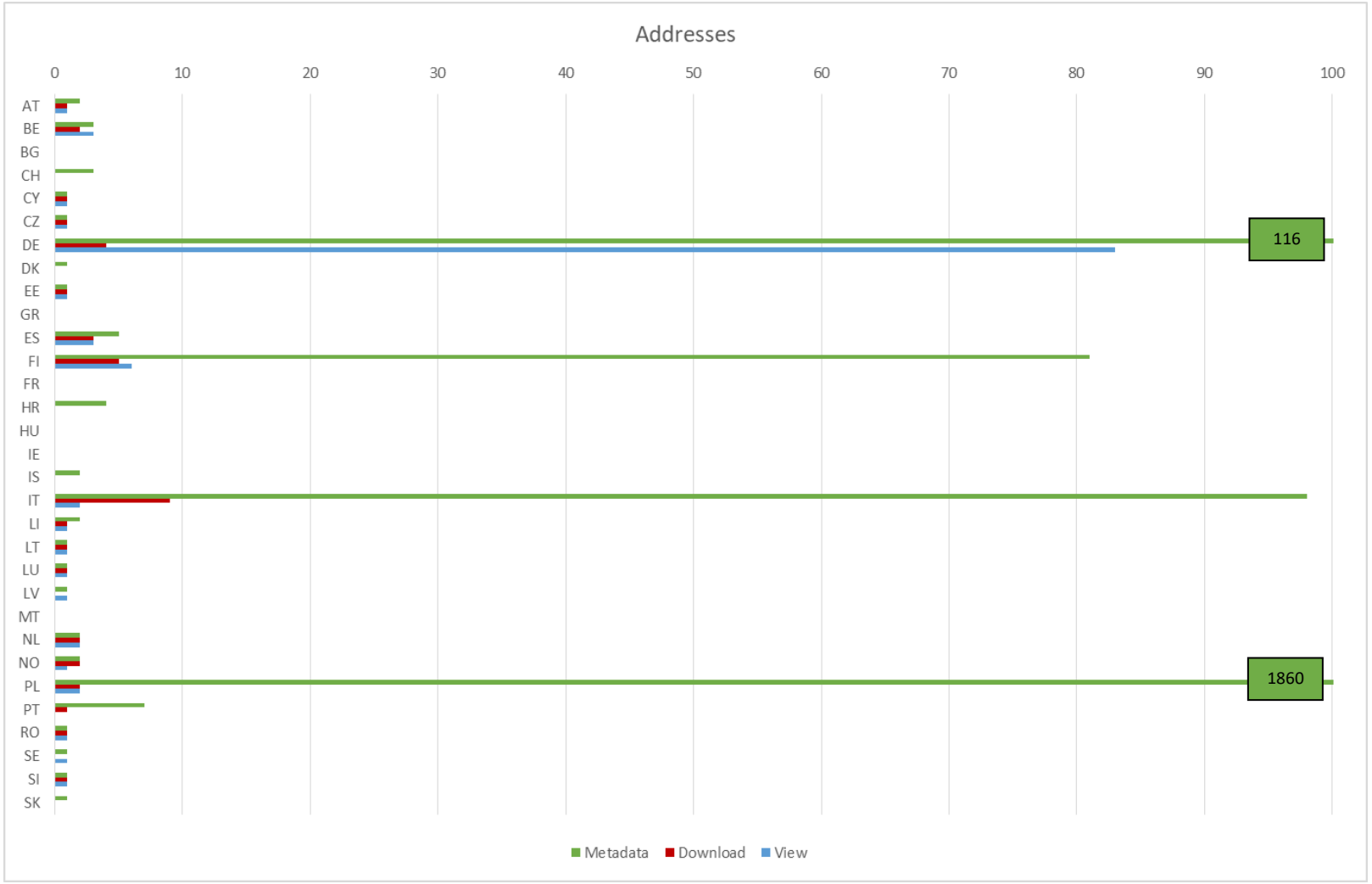

Figure 1. Overview of INSPIRE Services by Country for theme Addresses

Administrative Units

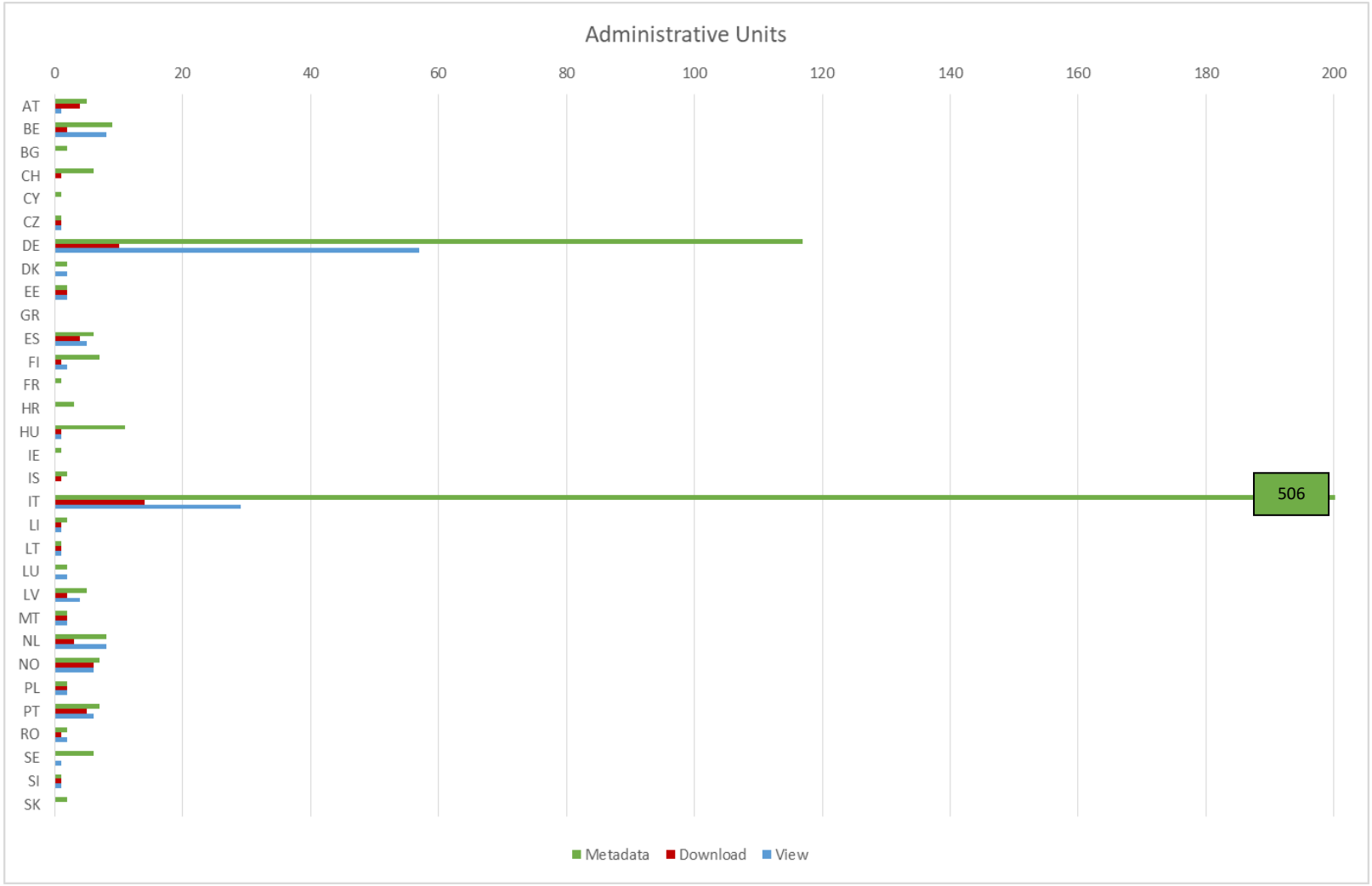

Figure 2. Overview of INSPIRE Services by Country for theme Administrative Units

Cadastral Parcels

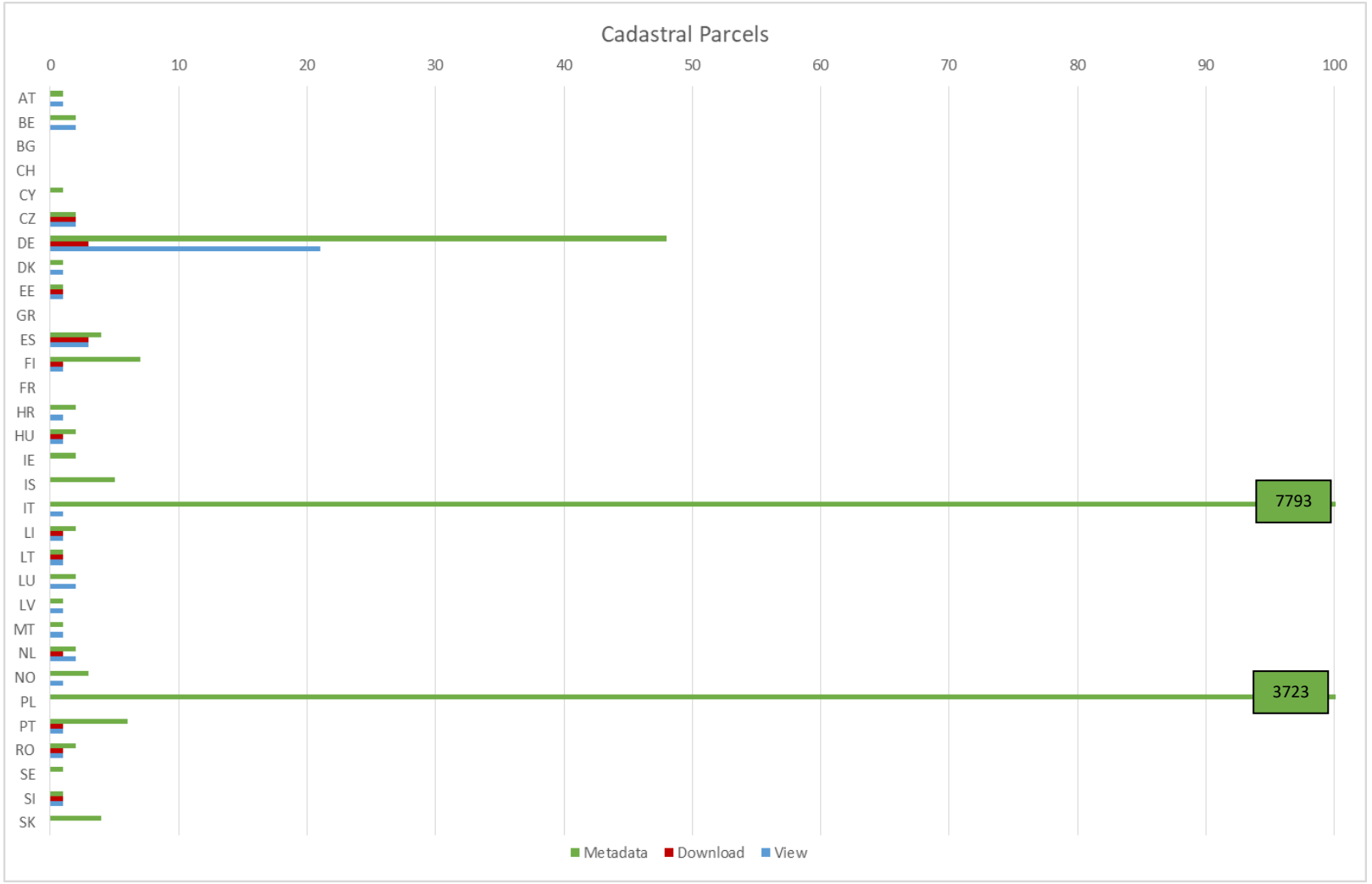

Figure 3. Overview of INSPIRE Services by Country for theme Cadastral Parcels

Geographical Names

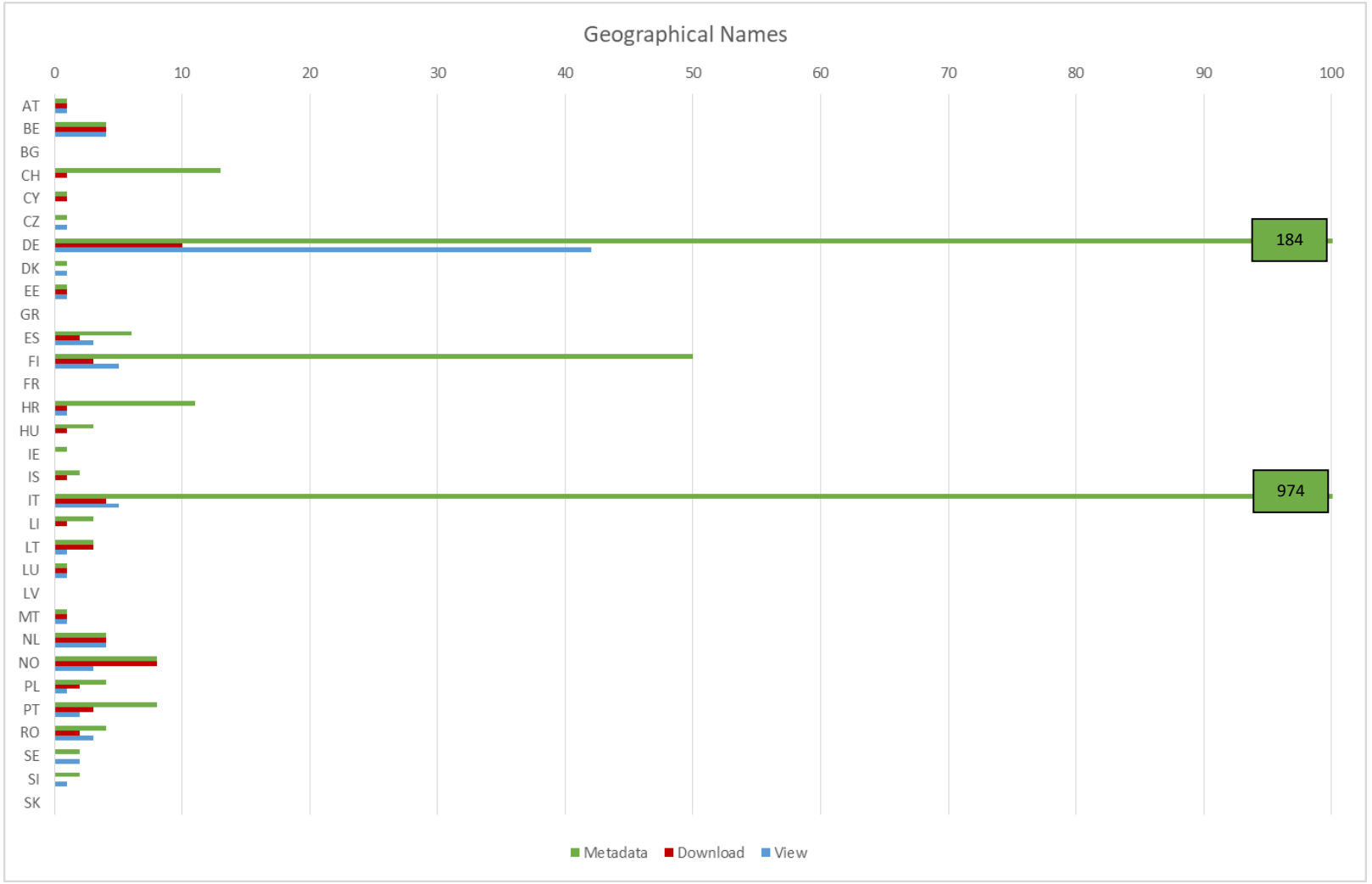

Figure 4. Overview of INSPIRE Services by Country for theme Geographical Names

Hydrography

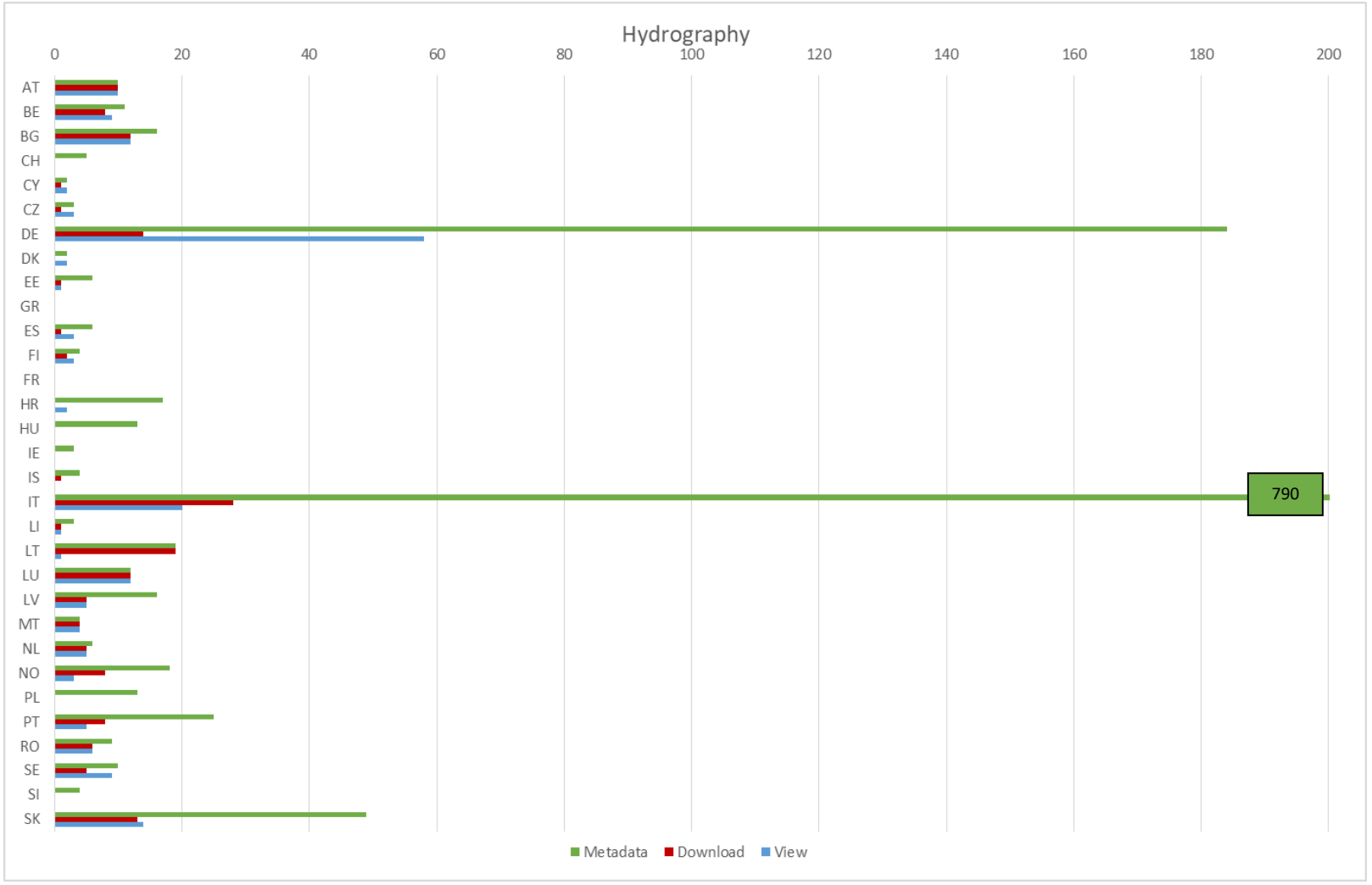

Figure 5. Overview of INSPIRE Services by Country for theme Hydrography

Transport Network

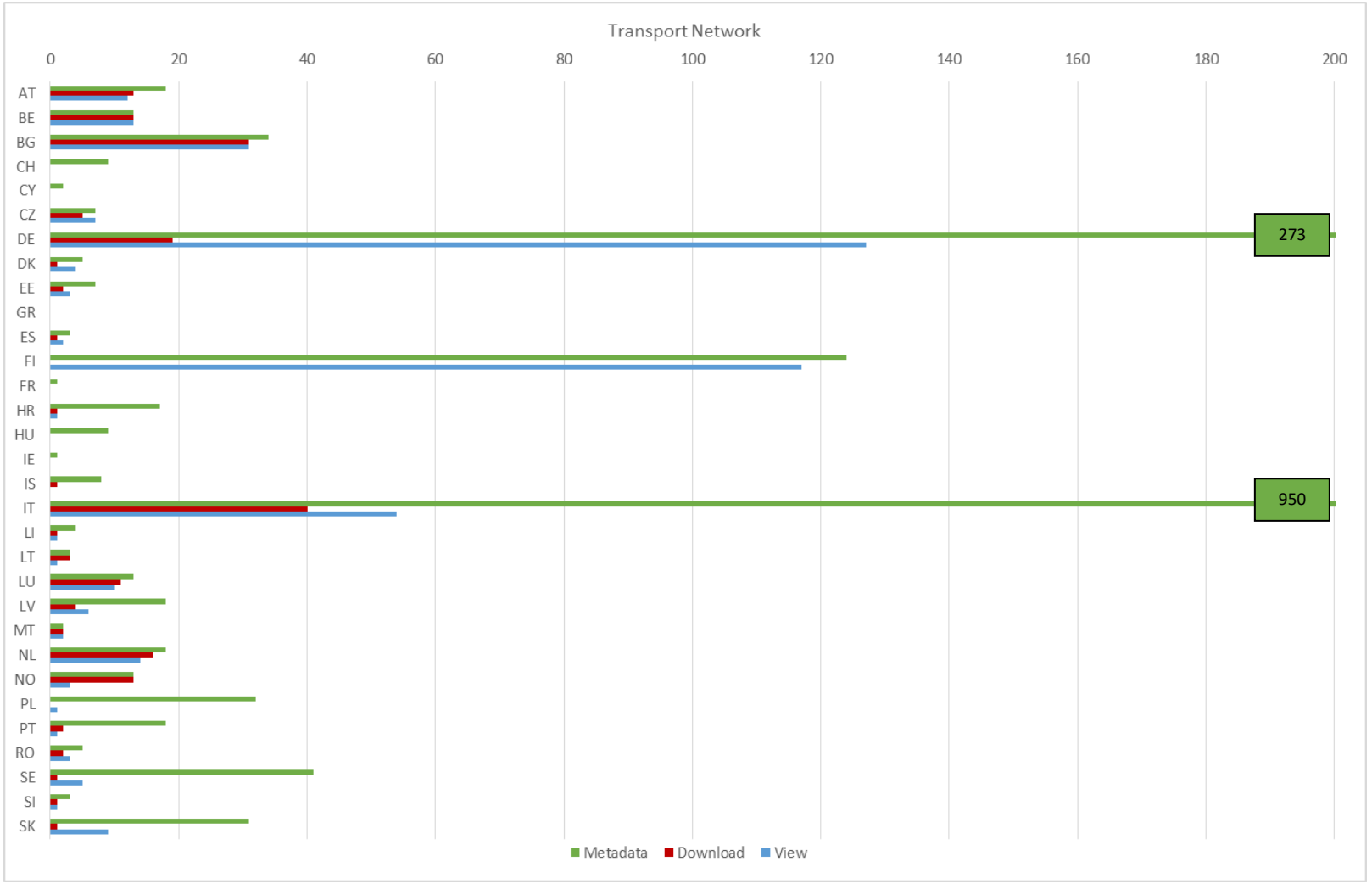

Figure 6. Overview of INSPIRE Services by Country for theme Transport Network

Buildings

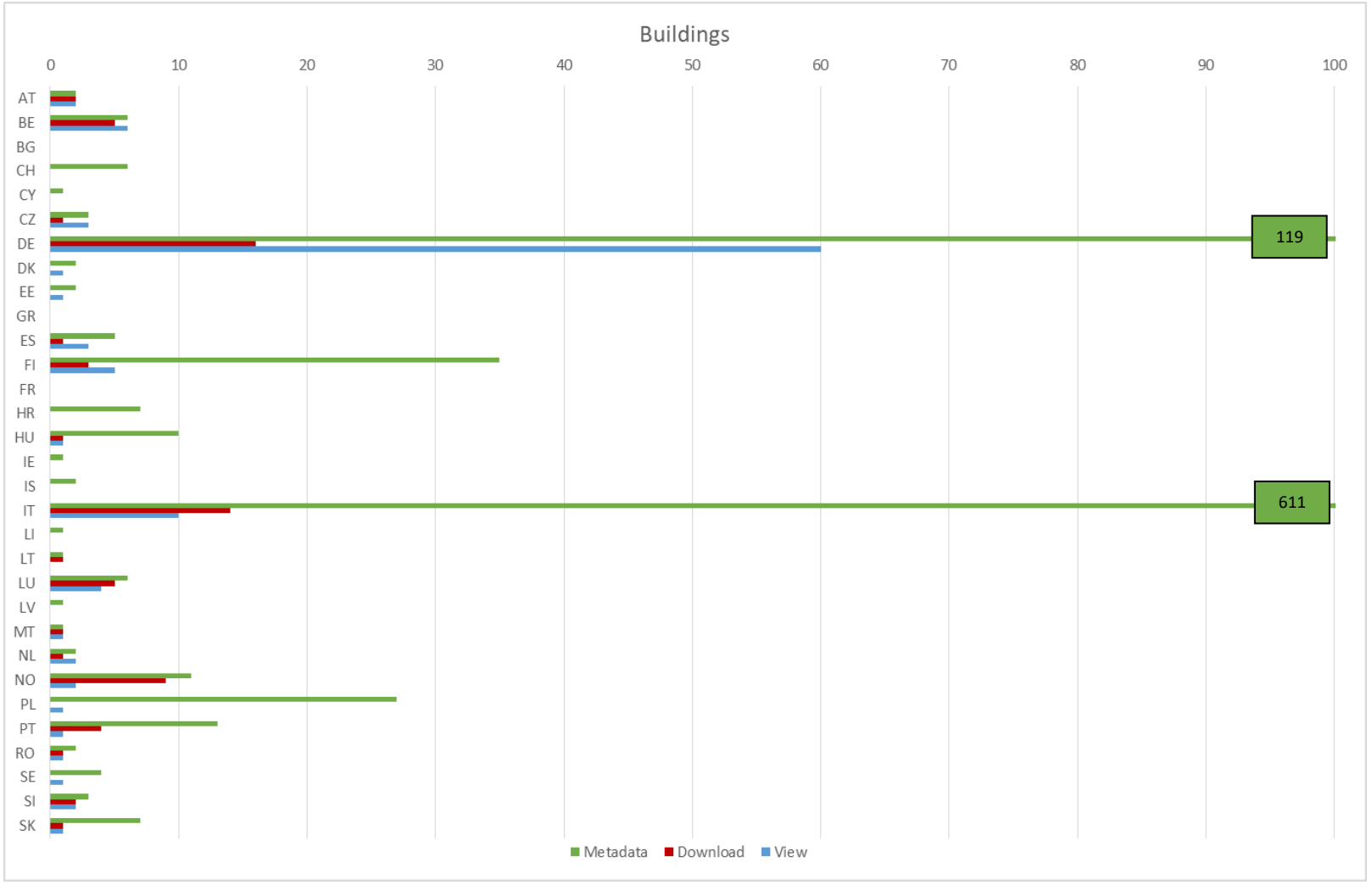

Figure 7. Overview of INSPIRE Services by Country for theme Buildings