



INSPIRE Monitoring & reporting 2019 Status report

JRC INSPIRE Team

INSPIRE MIG Webinair– April 28, 2020

INSPIRE Monitoring 2019 - transition year

- Defined by the new Commission Implementing Decision (EU) 2019/1372 of 19 August 2019*
 - Guidance document** for calculation of 19 indicators (new indicators: PDS, Spatial scope, Downloadable, Viewable data sets from EU Geoportal) was prepared (7/2019).
 - The process of MS metadata collection and indicator calculation integrated with the process of publication of MS metadata to EU Geoportal.
 - The first use of Reference Validator for a bulk automated validation of MS Metadata for data sets and services (*MDi 1.1 & MDi 1.2*).
 - The whole activity executed and coordinated by JRC with big support of MS experts (i.e. MIWP 2018.1 sub group on Monitoring & Reporting, MIG-T, National MD catalogue administrators.)

* <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019D1372&from=EN>

** [Guidance document for the calculation of indicators \(DOC 6\)](#)

INSPIRE Monitoring 2019 – process summary

- **Preparatory phase 10/2019 - 12/2019**
 - Geoportals back-end system adaptation including a new system for and automated calculation of monitoring indicators (17 of 19) 15. 12.
- **Collection of MS metadata for 15.12.2019 - 6.1.2020**
 - Publication of summary of harvested MS Metadata per each country
- **Data processing, validation and calculation of indicators 10.1.- 15.4.**
 - Publication of a website* for monitoring the status of MS metadata processing and calculation of all monitoring indicators per each country. 22.1.
 - Reference Validator - 3x new releases: v2020.1 (18.3.), v2020.1.1 (27.3.), v2020.1.2 (15.4.)**

* <https://inspire-geoportal.ec.europa.eu/mr2019.html>

** <https://github.com/inspire-eu-validation/community/releases>



INSPIRE Monitoring 2019 – selected stats

- **35 MD Catalogues harvested (32 National / 3 Regional)**
 - 159 316 Metadata of data sets records
 - 3 203 Metadata of data set series records
 - 98 541 Metadata of spatial data of services
- **260 000+ metadata records validated by Reference Validator**

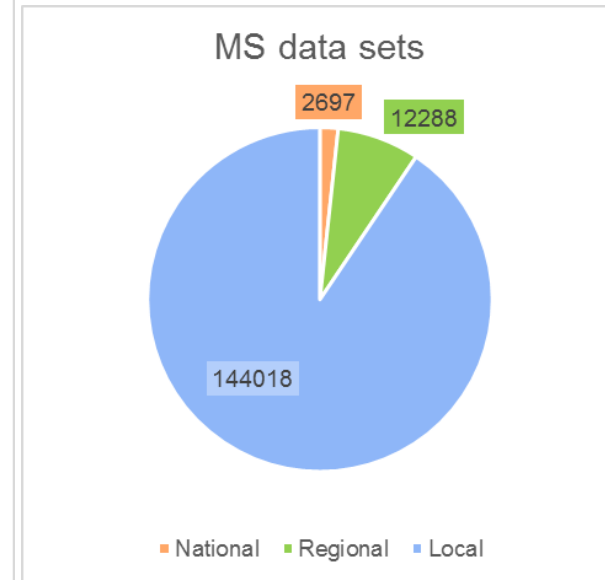
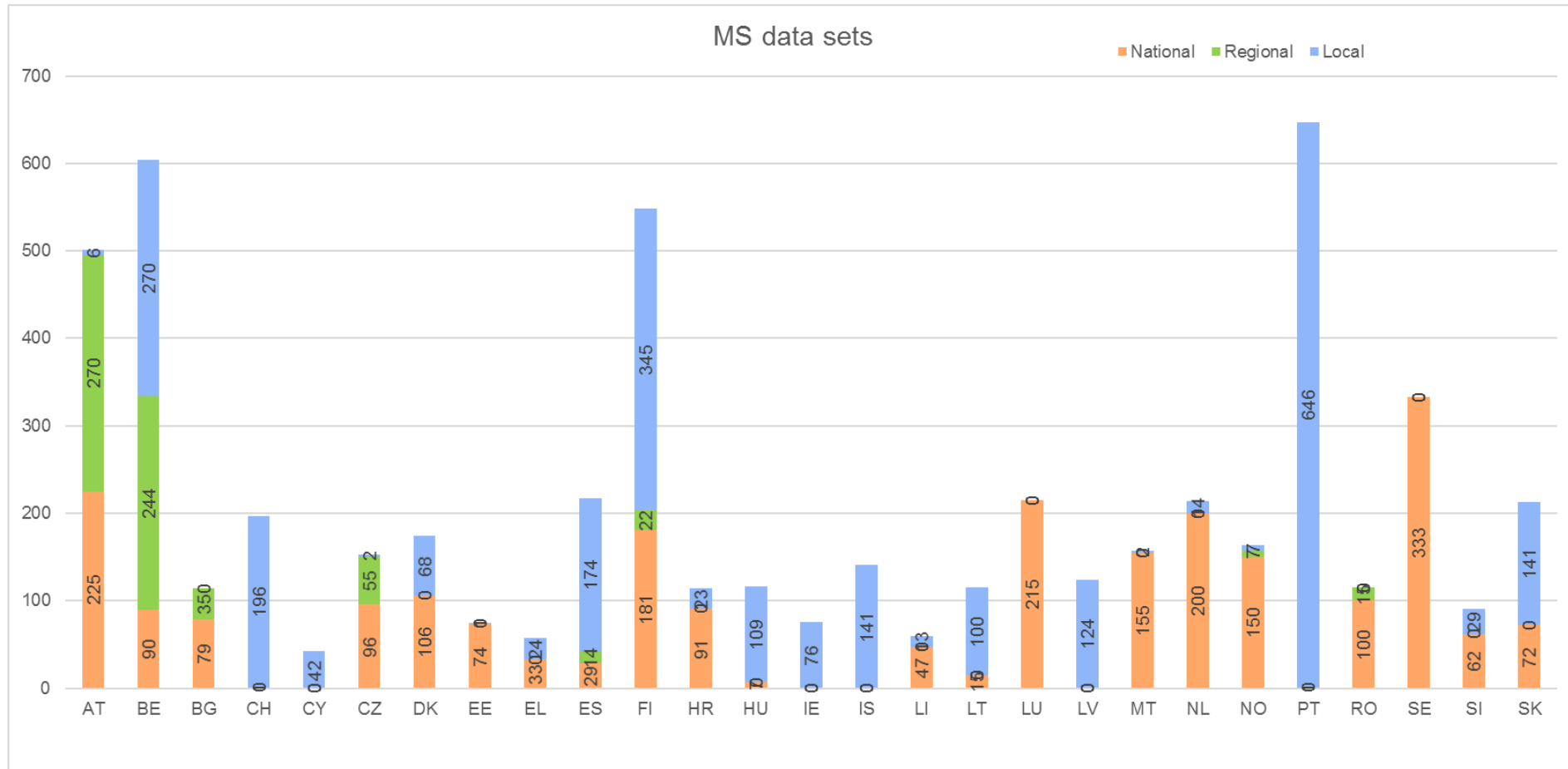


<https://inspire-geoportal.ec.europa.eu/mr2019.html>

INSPIRE MS Data sets availability

Spatial scope (DSi 1.4; DSi1.5)

Total: 159 003 MD of data sets, series (DSi 1.1)

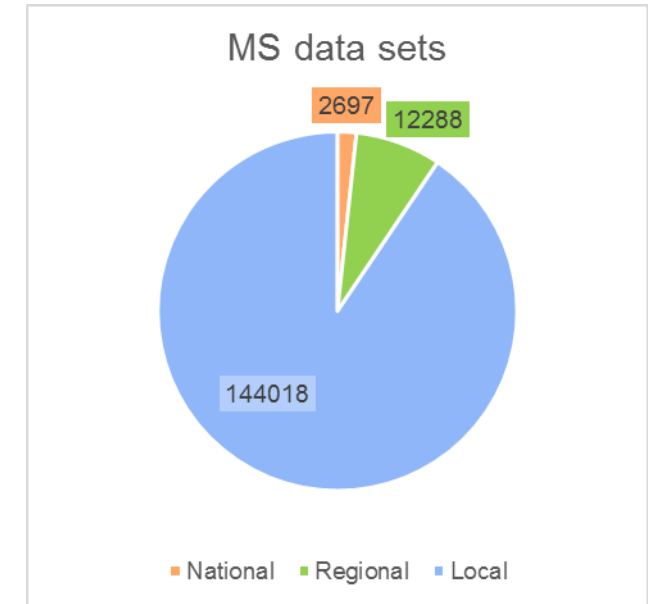
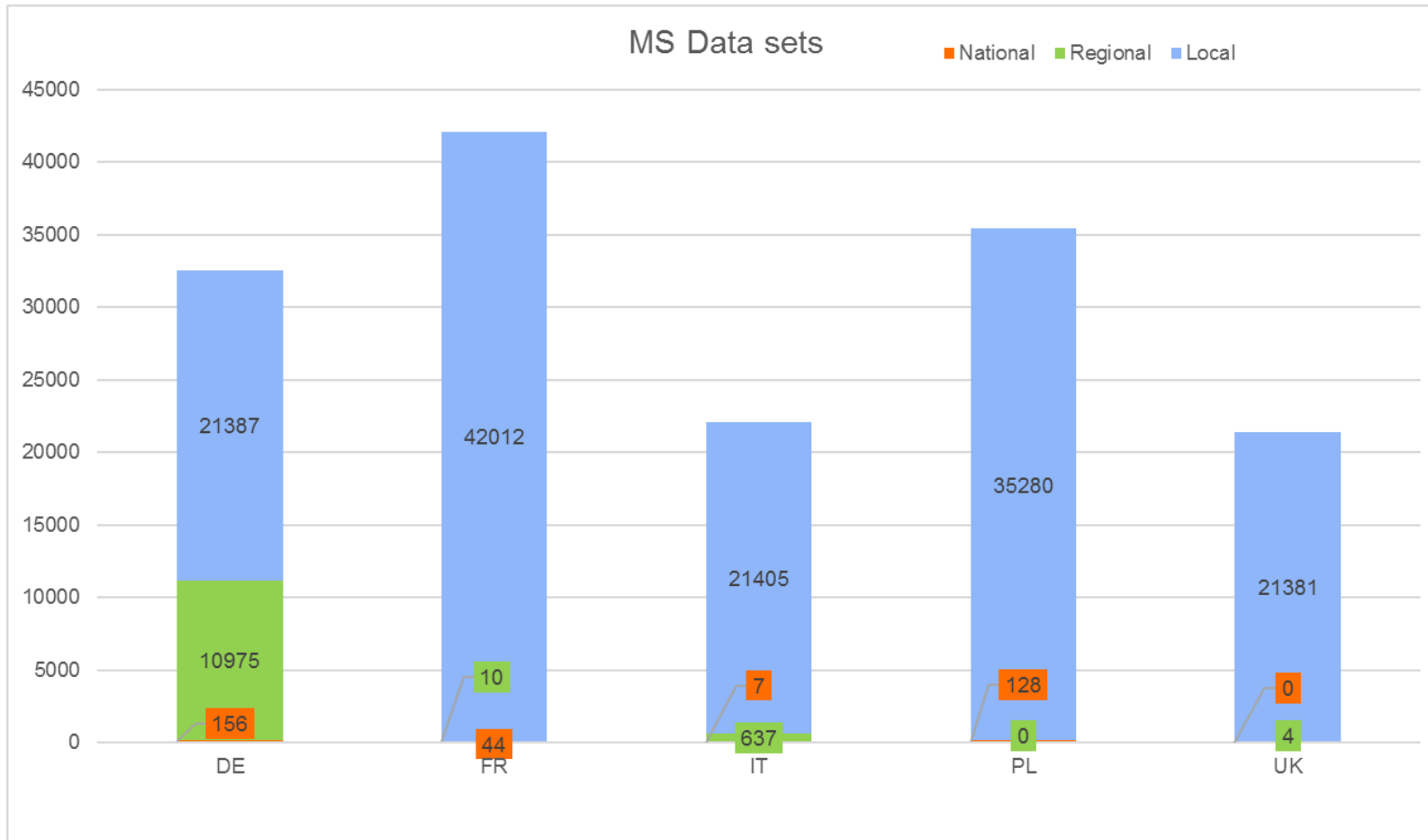


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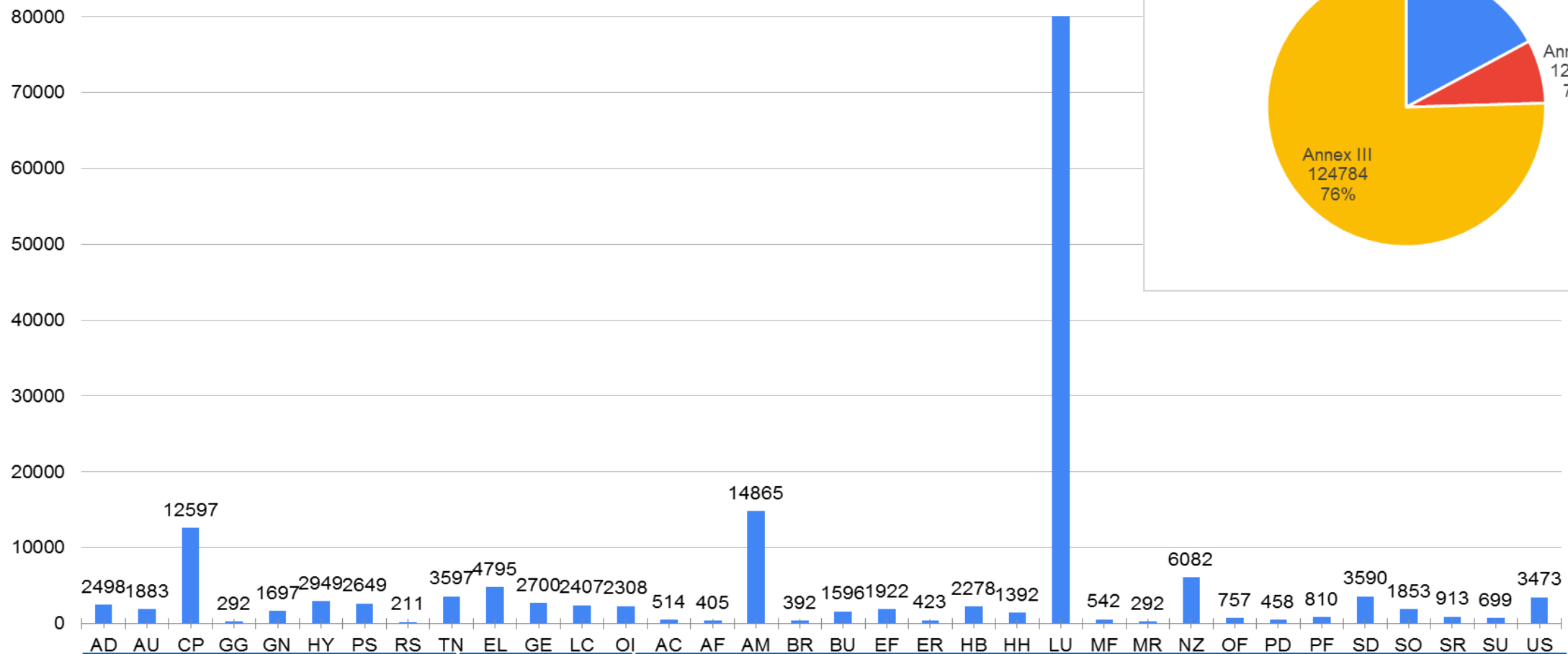
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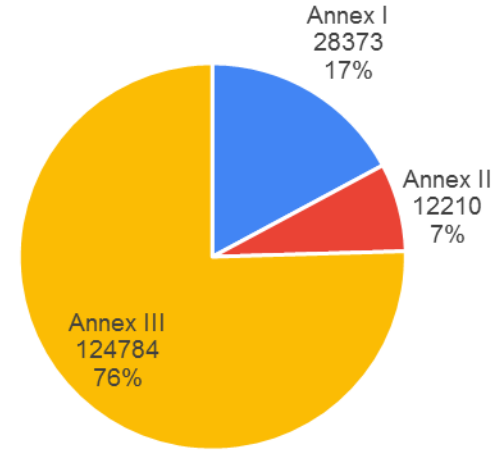
<https://inspire-geoportal.ec.europa.eu/mr2019.html>

INSPIRE MS Data sets availability by data themes

INSPIRE Data Themes



MS Datasets by Annexes



Annex 1 (Themes AD, AU, CP, GG, GN, HY, PS, RS, TN, EL, GE, LC, OI, AC, AF, AM, BR, BU, EF, ER, HB, HH, LU, MF, MR, NZ, OF, PD, PF, SD, SO, SR, SU, US)

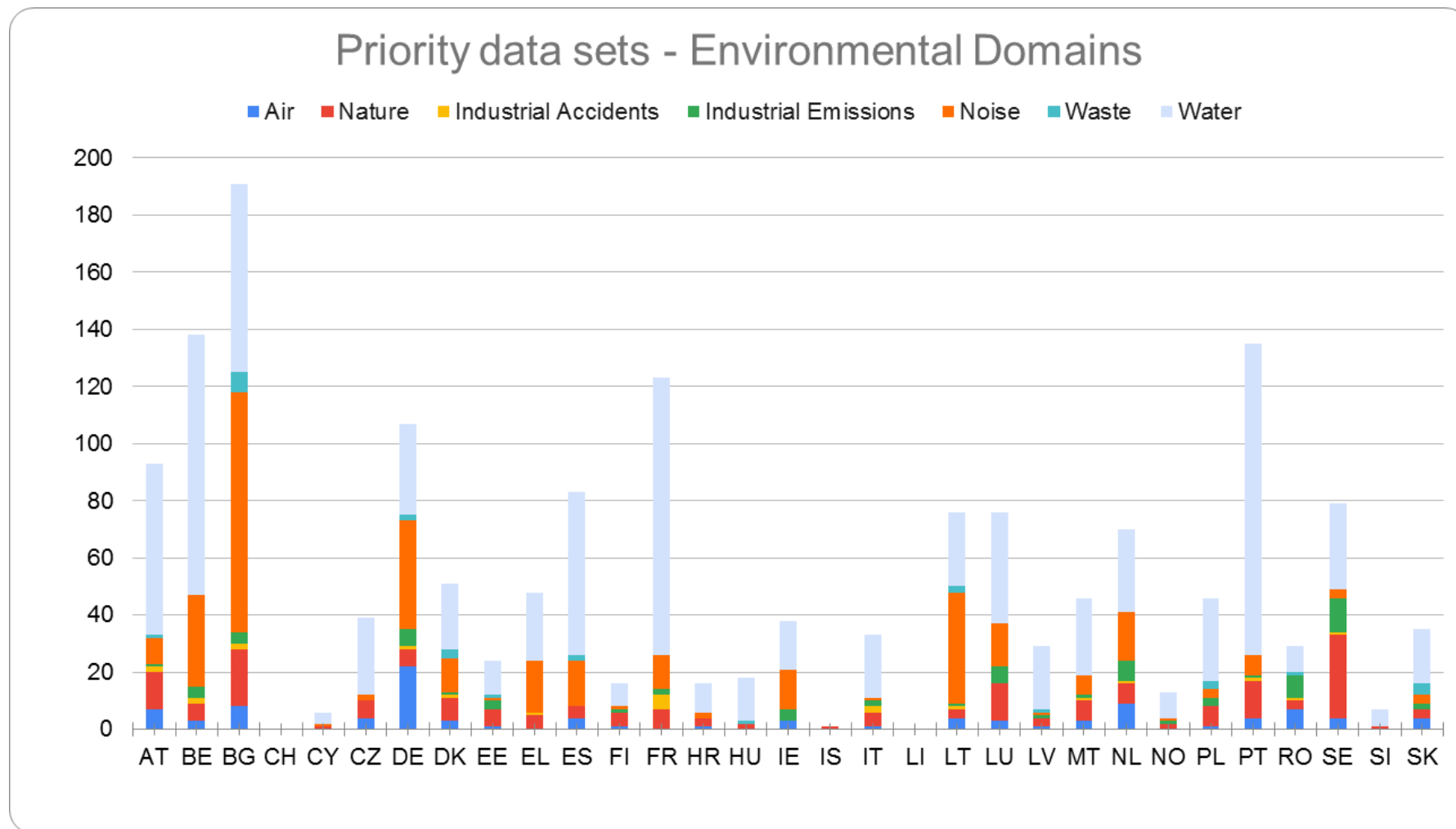
Annex 2 (Themes AM, BR, BU, EF, ER, HB, HH, LU, MF, MR, NZ, OF, PD, PF, SD, SO, SR, SU, US)

Annex 3 (Themes AM, BR, BU, EF, ER, HB, HH, LU, MF, MR, NZ, OF, PD, PF, SD, SO, SR, SU, US)

INSPIRE MS Data sets availability

Priority data sets (DSi 1.3)

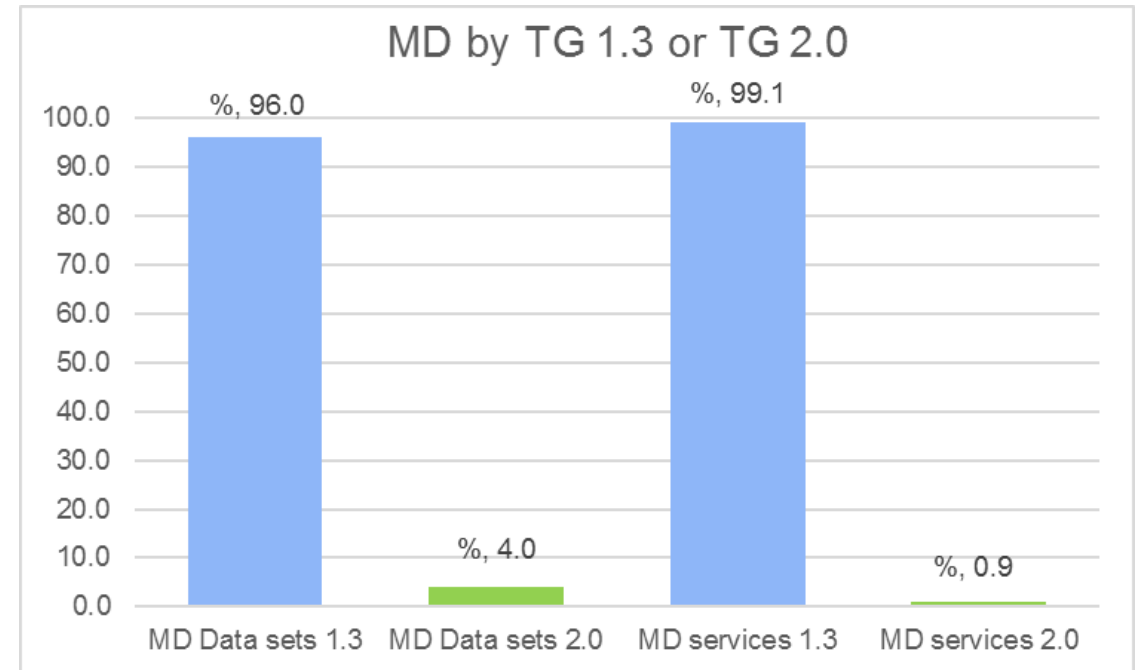
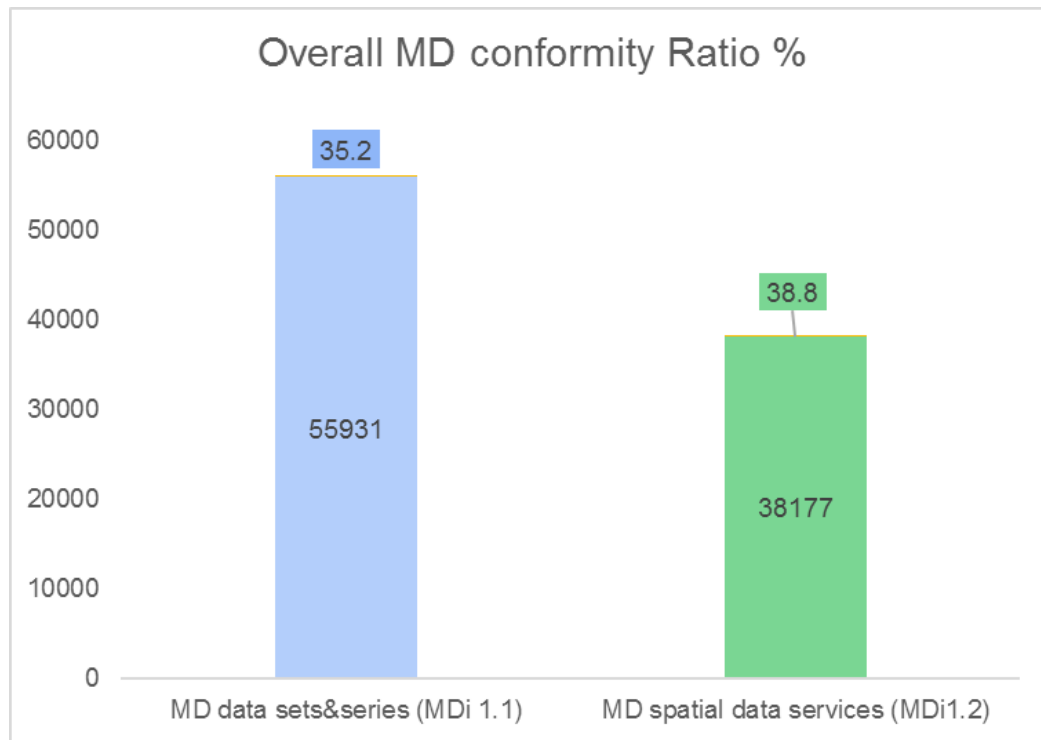
Total: 1660 MD of Priority data sets (DSi 1.3)



<https://inspire-geoportal.ec.europa.eu/mr2019.html>

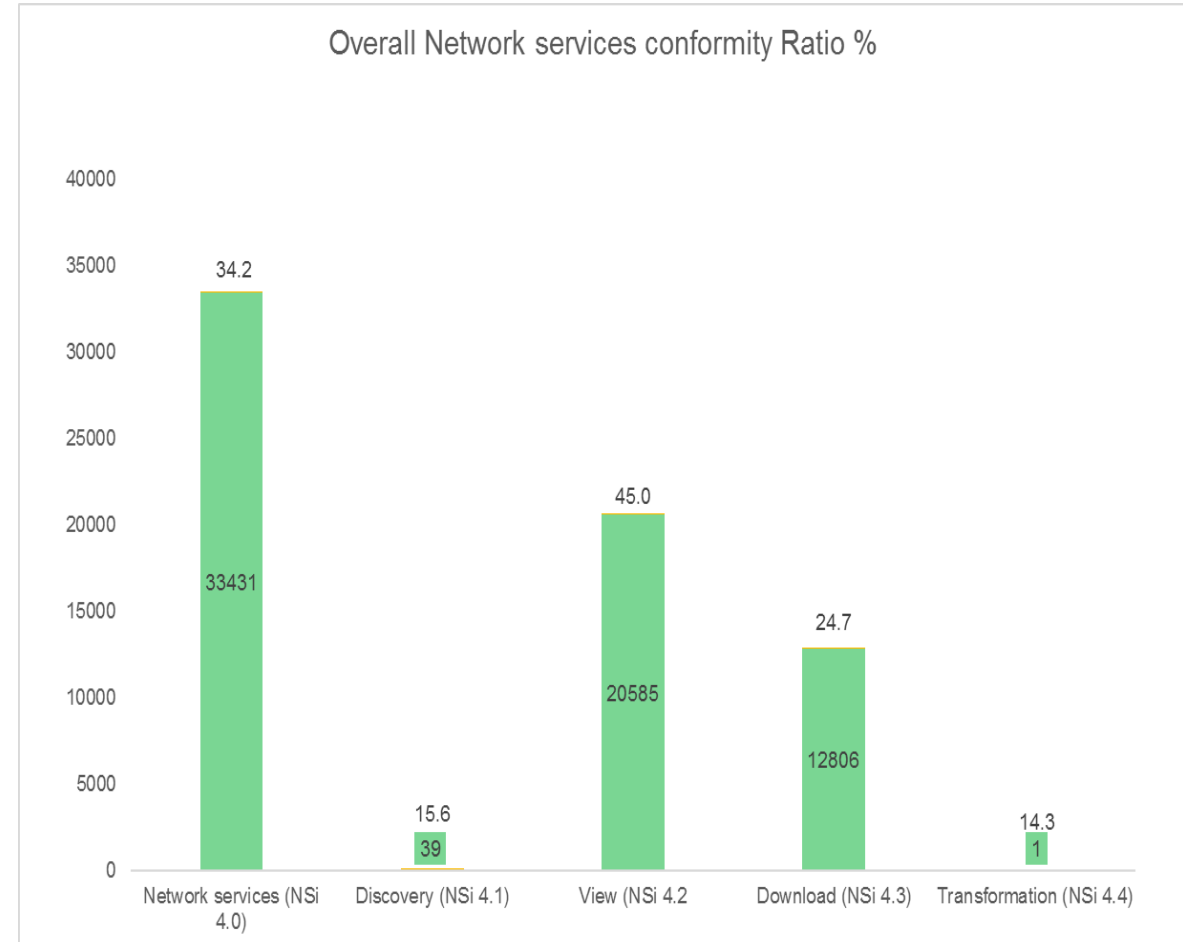
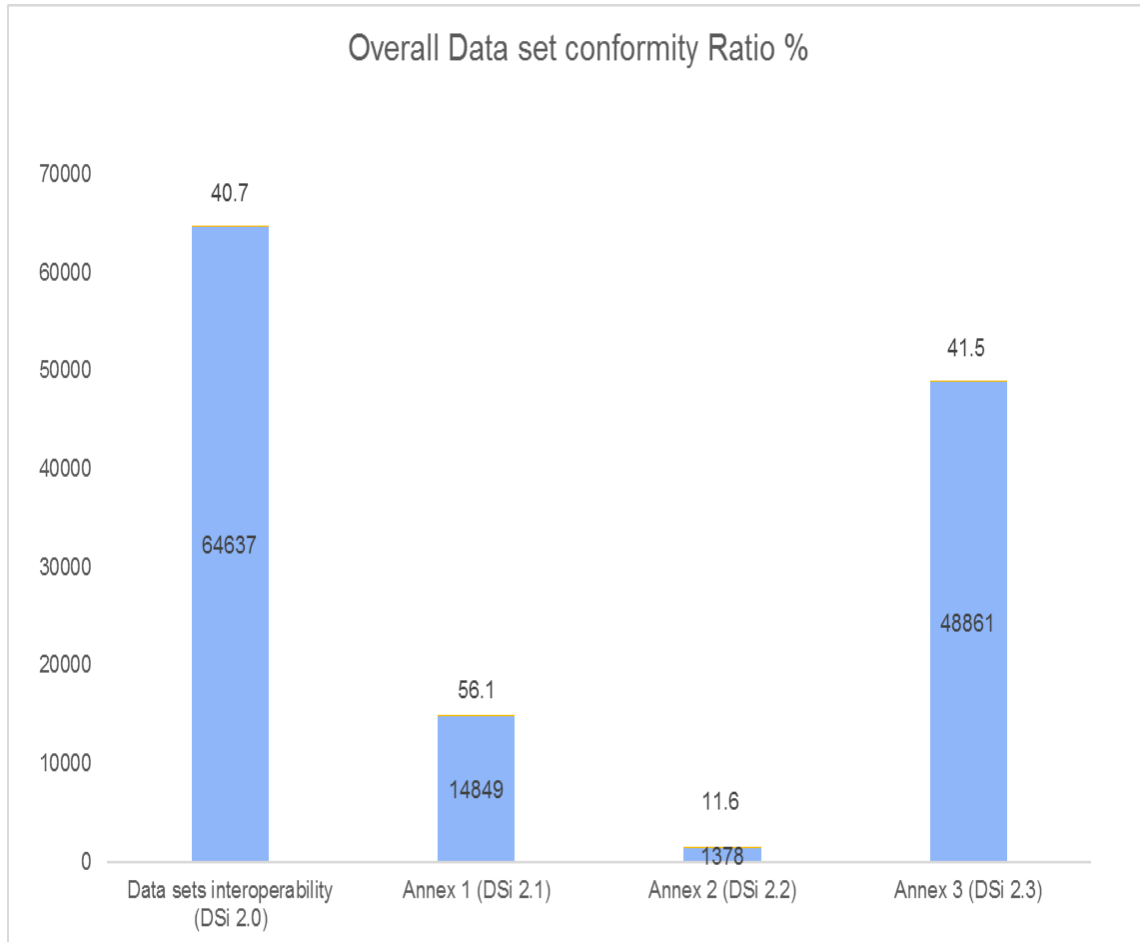
INSPIRE MS Metadata conformity use of Reference Validator

Total nr. of tested MS records: 257 524 (159 003 MD of data sets, series & 98 521 services (MDi 1.1 & 1.2))



INSPIRE MS data sets, services interoperability conformity (DSi 2.0-2.3 & NSi 4.0-4.4)

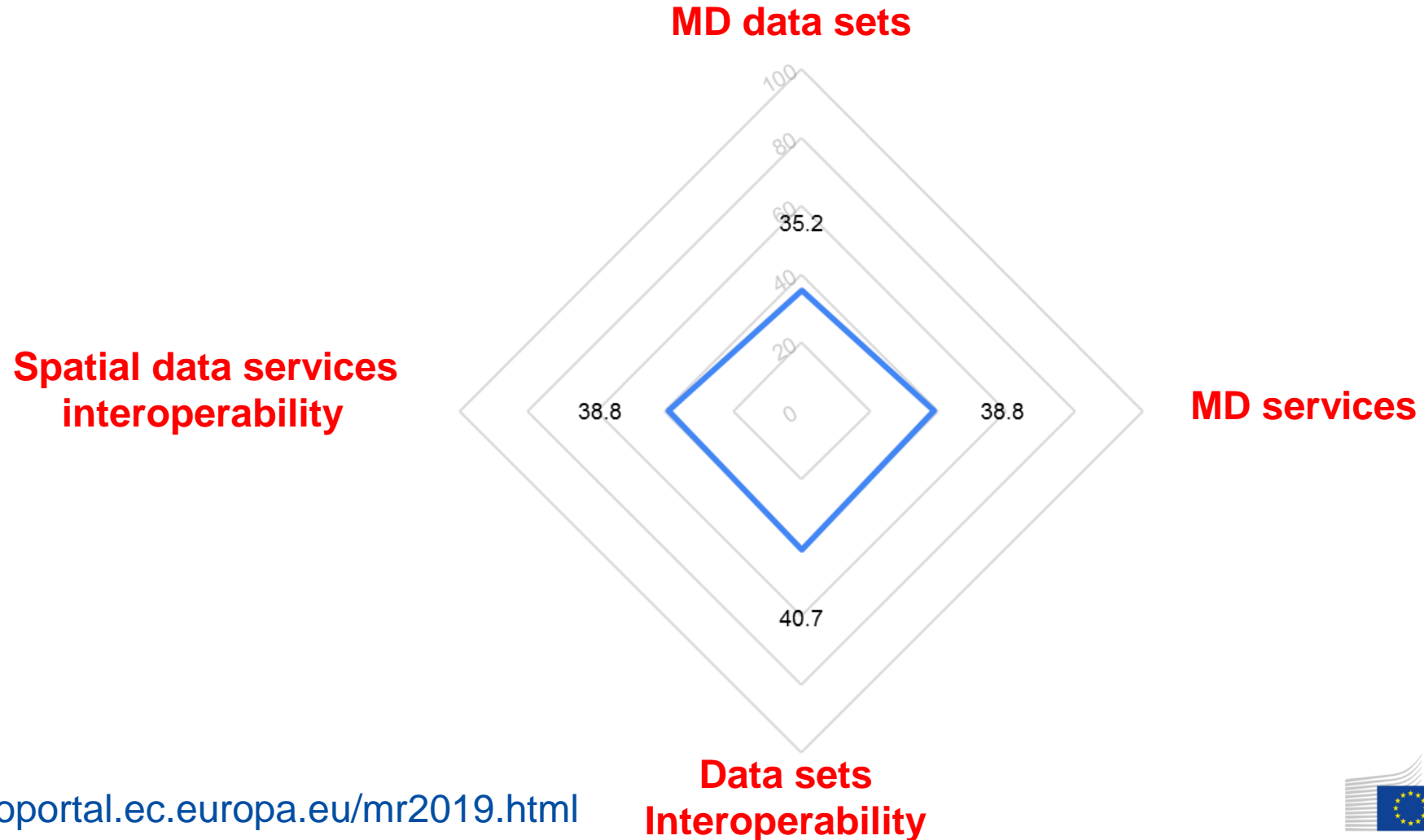
Total: 257 524 MD of data sets, series, services (MDi 1.1 &1.2)



<https://inspire-geoportal.ec.europa.eu/mr2019.html>

INSPIRE Overall MS Resource conformity (MDi1.1-1.2; DSi 2.0; NSi 4.0)

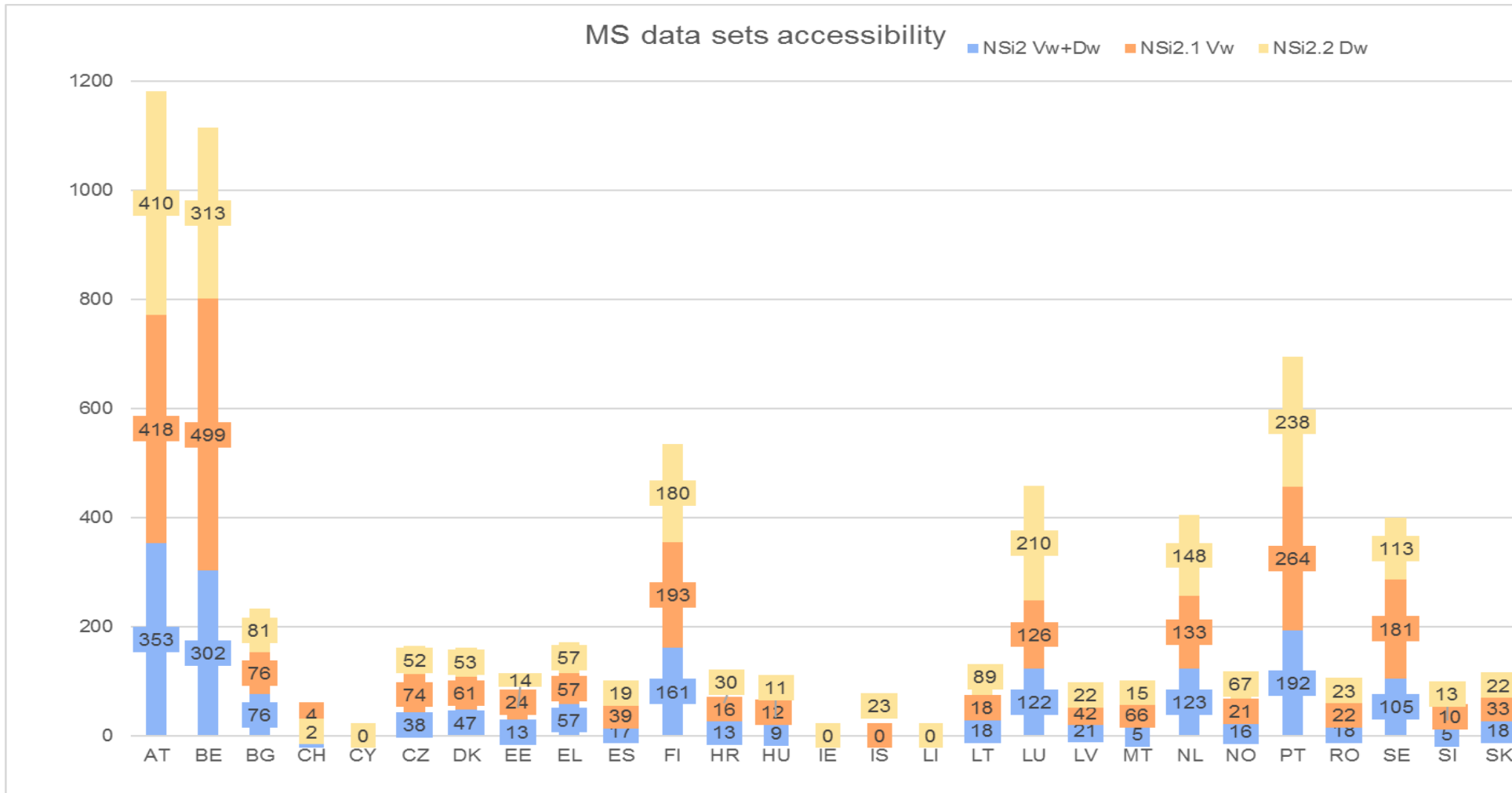
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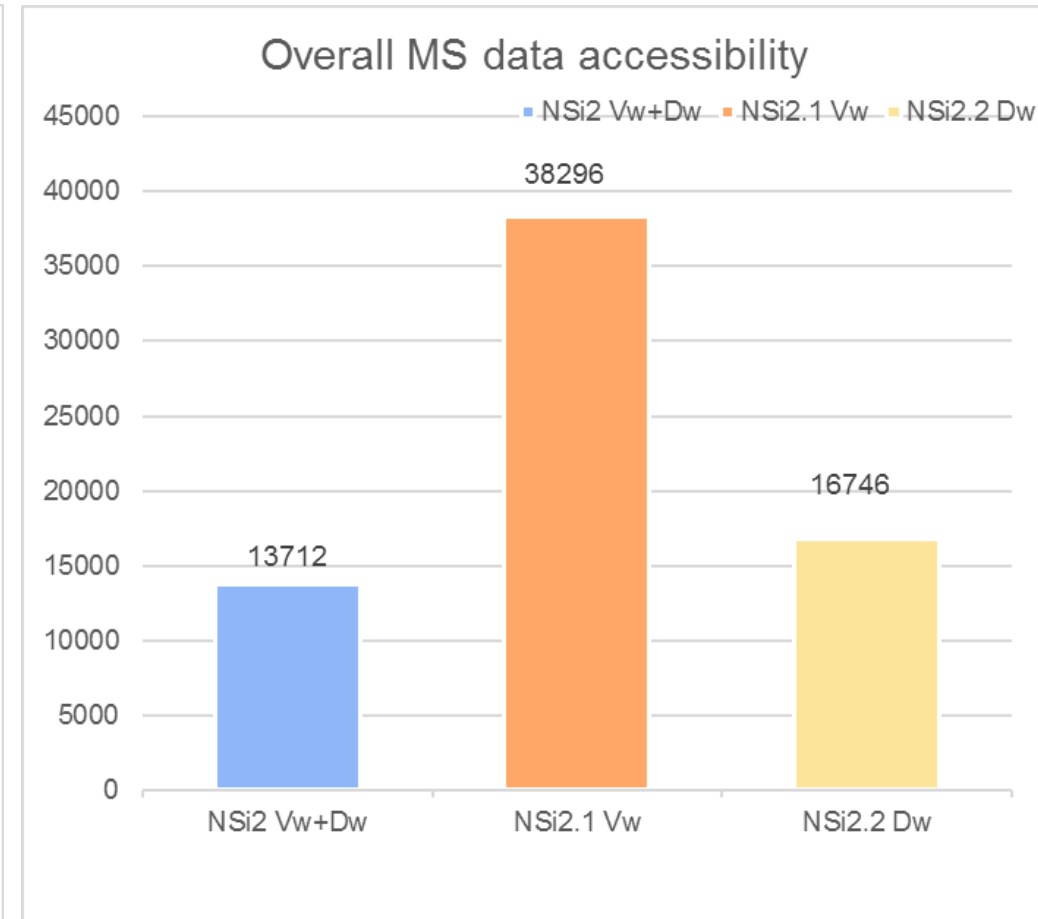
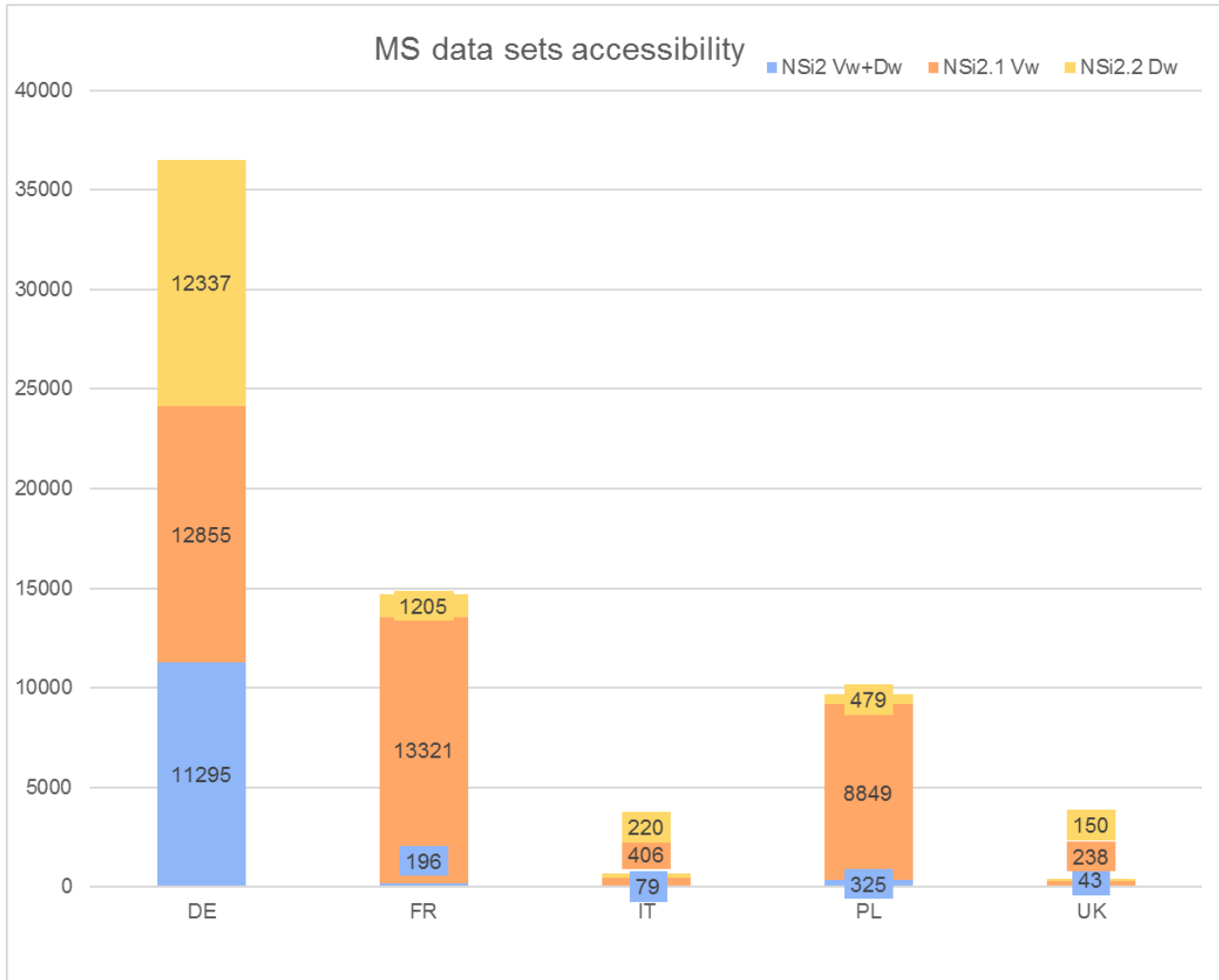
INSPIRE MS Data sets accessibility (NSi 2.0-2.2)

Total: 55 042 MS data sets accessible



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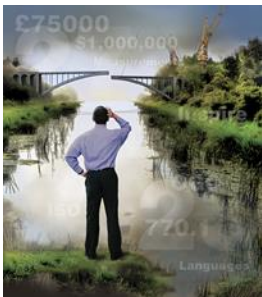
INSPIRE Reporting 2020 – update (MS fiches)

- The MS country fiches 2019 published in the Inspire Knowledge base* - 2.3. 2020.
- The on-line system for updating MS country fiches opened – 2.3.2020.
 - 18 MSs have already updated their CF
- The calculated Monitoring 2019 indicators were added to the respective country fiches 15.4. 2020.
- The on-line system for MS updates is open till the end of April 2020.
- The system of archiving the results of Monitoring & Reporting 2019 in ReportNet (EEA) is being fine-tuned.

* <https://inspire.ec.europa.eu/INSPIRE-in-your-Country>

INSPIRE Monitoring 2019 Lessons learnt

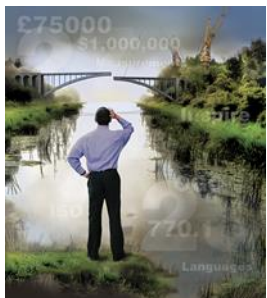
- The time / resources for a proper **preparatory phase** of such a complex system were clearly **too short**.
- The level of MS **MD conformity is low** (cc. 35%) & still in TG 1.3. (95+%)
 - The **use of INSPIRE Reference Validator** by MS before the Monitoring was minimal.
 - The **stability** of MS **services** needs to improve.
- The level of MS **data accessibility** (download, view) is still **low** (cc. 30%).
- The gap between the nr. of existing spatial data services (cc. 100 000) and data accessibility is still big.
- The high MS demand for detail ICT support is not / can hardly be satisfied by JRC INSPIRE Support team.



INSPIRE Monitoring 2019 Lessons learnt

- **Very good feedback** and overall positive interactions with MS experts led to better mutual understanding of the MS & as JRC Geoportal MD systems.
- **Substantial improvements** of INSPIRE Reference Validator as well as further simplification of Geoportal back-end.
- The introduction of the new indicators (i.e. keywords for spatial scope, PDs) led to **increased data usability potential** + provides a better overview of EU SDI data availability/accessibility.
- The **reliable base line** for the EU Spatial data infrastructure has been jointly set up (good reference for monitoring progress towards agreed INSPIRE landing zones, INSPIRE evaluation, ...).

The IT systems improvements, gained knowledge on both sides, represent a **good perspective for** smoother and even more integrated **INSPIRE Monitoring 2020 exercise.**



Thank you!

Upcoming:

- **JRC Technical report** summarising results, lessons learned from Monitoring 2019 exercise – June 2020.
- **Geoportal/Monitoring 2019 webinar 4.6. 2020**



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