

# 68th MIG-T meeting 2022-02-04

## Agenda

### WebEx Connection details:

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<a href="https://ecconf.webex.com/ecconf-en/j.php?MTID=mc08917c15a2a98455840b8288ebf4aec">https://ecconf.webex.com/ecconf-en/j.php?MTID=mc08917c15a2a98455840b8288ebf4aec</a>
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### Friday, 4 February

	Agenda item	Doc(s)
9:00 - 09:05	<b>Welcome and approval of the agenda</b>	
09:05 - 09:10	Minutes of the previous meeting (for discussion and agreement)	<a href="#">DOC Minutes - 67th MIG-T meeting</a>
09:10 - 10:20	<b>INSPIRE Monitoring and Reporting (M&amp;R)</b> <ul style="list-style-type: none"><li>• M&amp;R Results (JRC)<ul style="list-style-type: none"><li>◦ Context and overall approach to Monitoring 2021</li><li>◦ Monitoring results</li><li>◦ Lessons learned</li></ul></li><li>• Discussion</li></ul>	<a href="#">PRES Monitoring and Reporting</a>
10:20 - 10:50	Coffee Break	
10:50 - 11:40	<b>MIWP 2021-2024 Actions</b> <ul style="list-style-type: none"><li>• 1.1 Towards a digital ecosystem for the environment and sustainability (JRC, 5')</li><li>• 2.1 Need driven data prioritisation (EEA, 10')</li><li>• 2.2 Roadmap for priority-driven implementation (ENV, 5')</li><li>• 2.3 Simplification of INSPIRE Implementation (JRC, 15')<ul style="list-style-type: none"><li>◦ 2.3.1. Governance of INSPIRE Artefacts</li><li>◦ 2.3.2. Data-service linking sub-group results and way forward</li></ul></li><li>• 2.4. Central INSPIRE Infrastructure Components (JRC, 10')</li><li>• 3.1. GreenData4All initiative (ENV, 5')</li></ul>	<a href="#">PRES Action 1.1</a> <a href="#">PRES Action 2.1</a> <a href="#">PRES Action 2.2</a> <a href="#">PRES Action 2.3.1</a> <a href="#">PRES Action 2.3.2</a> <a href="#">PRES Action 2.4 - Geoportal</a> <a href="#">PRES Action 2.4 - Reference Validator</a> <a href="#">PRES Action 2.4 - Registry</a> <a href="#">PRES Action 3.1</a>
11:40 - 12:10	<b>ELISE Pool of experts</b> <ul style="list-style-type: none"><li>• GitOps and containerisation for INSPIRE (Just van den Broecke)</li></ul>	<a href="#">PRES GitOps for INSPIRE</a>
12:10 - 12:20	<b>Update on Commission initiatives</b> <ul style="list-style-type: none"><li>• Operational Support to INSPIRE Components and Artefacts (DIGITAL)</li><li>• Additional topics (tbc)</li></ul>	<a href="#">PRES Operational Support Consortium</a>
12:20 - 12:30	<b>Wrap-up</b> of the plenary	
12:30 - 14:00	Lunch break	
14:00 - 18:00	<b>Bilateral meetings with MIG-T members</b> (by request)	

## Draft Minutes

The minutes summarise the main conclusions and actions from the meeting. Actions are indicated in the minutes using check boxes and are tracked in the "Actions" section below.

The meeting was chaired by the JRC and attended by 57 experts from AT, BE, BG, CY, CZ, DE, DK, EE, ES, EL, FR, FI, IT, NL, NO, PL, PT, LU, MT, SK, SE, SI, RO, European Commission (ENV, JRC, ESTAT, AGRI), the EEA, and contractors of the EC.

**Thursday, 20th January**

<b>Welcome and approval of the agenda</b>	<ul style="list-style-type: none"><li>The agenda was approved without modifications.</li></ul>
Minutes of the previous meeting (for discussion and agreement)	<ul style="list-style-type: none"><li>The minutes of the <a href="#">previous meeting</a> were approved without additional change proposals. Some actions for MIG-T members are still open and relevant, in particular relating to:<ul style="list-style-type: none"><li>the nomination of experts for Actions 2.2 and 2.3.1;</li><li>the proposal of locations for the MIG-T physical meeting in October.</li></ul></li></ul>
<b>INSPIRE Monitoring and Reporting (M&amp;R)</b> <ul style="list-style-type: none"><li>M&amp;R Results (JRC)<ul style="list-style-type: none"><li>Content and overall approach to Monitoring 2021</li><li>Monitoring results</li><li>Lessons learned</li></ul></li><li>Discussion</li></ul>	<ul style="list-style-type: none"><li>The JRC presented the results of the 2021 Monitoring and Reporting activity, which as agreed was made available on February 7 in <a href="#">a public dashboard</a>.</li><li>2021 was a transition year, since starting on 2022, the current Geoportal will be replaced by the new Geoportal with backend based on GeoNetwork. Different events (Log4Shell vulnerability &amp; Covid-19) impacted the JRC work, together with many issues (34% of those opened in the whole 2021) raised by MS in the period November-December 2021.</li><li>Overall, the results confirm a positive trend (slight improvement compared to 2020, significant improvement compared to the baseline year 2019), in particular, for the categories of indicators calculated in a fully automated way (metadata conformity and dataset accessibility). Looking at the single MS, the implementation/performance remains very different with some frontrunners and some laggards.</li><li>The JRC tested (by using the Reference Validator) the conformity of datasets and network services for countries declaring values equal or close to 100%, finding a percentage between 0 and 10% and concluding that the self-declared conformity is not reliable.</li><li>The <a href="#">harvest console</a> was re-opened during the MIG-T meeting.</li></ul>
Coffee Break	
<b>MIWP 2021-2024 Actions</b>	<p><b>Action 1.1</b></p> <p>The following items were presented and discussed under this action:</p> <ul style="list-style-type: none"><li>The progress with INSPIRE Good practices, specifically:<ul style="list-style-type: none"><li>Two recent JRC reports that inform the technical and organisational approaches for modernising INSPIRE:<ul style="list-style-type: none"><li>Kotsev, A., Minghini, M., Cetl, V., Penninga, F., Robbrecht, J. and Lutz, M., INSPIRE - A Public Sector Contribution to the European Green Deal Data Space, EUR 30832 EN, Publications Office of the European Union, Luxembourg, 2021, ISBN 978-92-76-41565-7, doi:10.2760/062896, JRC126319. <a href="https://publications.jrc.ec.europa.eu/repository/handle/JRC126319">https://publications.jrc.ec.europa.eu/repository/handle/JRC126319</a></li><li>Granell, C., Mooney, P., Jirka, S., Rieke, M., Ostermann, F., Van Den Broecke, J., Sarretta, A., Verhulst, S., Dencik, L., Oost, H., Micheli, M., Minghini, M., Kotsev, A. and Schade, S., Emerging approaches for data-driven innovation in Europe, EUR 30969 EN, Publications Office of the European Union, Luxembourg, 2022, ISBN 978-92-76-46936-0, doi: 10.2760/511775, JRC127730. <a href="https://publications.jrc.ec.europa.eu/repository/handle/JRC127730">https://publications.jrc.ec.europa.eu/repository/handle/JRC127730</a></li></ul></li></ul></li><li>The validation of OGC API-Features instances in the INSPIRE reference validator;</li><li>Progress with regards to the use of WMS for downloading data and ensuring access to disperse data sources. A <a href="#">webinar</a> on those two initiatives is scheduled for 08 February ;</li><li>Activities related with the analysis of GAIA-X and INSPIRE.</li></ul>

- 1.1 Towards a digital ecosystem for the environment and sustainability (JRC, 5')
- 2.1 Need driven data prioritisation (EEA, 10')
- 2.2 Roadmap for priority-driven implementation (ENV, 5')
- 2.3 Simplification of INSPIRE Implementation (JRC, 15')
  - 2.3.1 Governance of INSPIRE Artefacts
  - 2.3.2 Data-service linking subgroup results and way forward
- 2.4. Central INSPIRE Infrastructure Components (JRC, 10')
- 3.1. GreenData4All initiative (ENV, 5')

Specifically, concerning [STAC](#), several MS (AT, CH, DK, SE, IT) expressed interest in further investigating this topic based on initiatives already being rolled out on the national level. It was agreed that a dedicated GitHub repository will be created in order to facilitate the discussion.

- ✓ JRC to organise a space for discussion of STAC as a possible INSPIRE predefined access download service.

#### Action 2.1

- The action is currently in a quiet period, mainly because it relies on other external processes and in particular the Implementing Act on High-value datasets under the Open Data Directive. Therefore, the idea is to have the next meeting in March.
- Other related activities include: activities of the Green Data Task Force, the MIWP Action 2.2, and Reporting obligations in the environmental acquis with the continuation of alignments with INSPIRE using Reportnet3 (available since a year). Examples are CDDA (Nationally Designated Areas), and END (Environmental Noise Directive).

#### Action 2.2

- The kick-off meeting was held on 13 December 2021; the next meeting is scheduled for next week. A [new GitHub repository](#) was created for the Action.
- The core is on minimising some of the compliance issues, which can further improve the M&R results and the state of the implementation. The ultimate objective is to come out with a report for discussion at the next MIG-T/MIG meeting in end of March, based on which a roadmap should be created.

#### Action 2.3

- 2.3.1 Governance of INSPIRE Artefacts: the first-ever releases of INSPIRE schemas that follows the new governance procedure were published on November 15, 2021 ([v.2021.2](#)) and January 31, 2022 ([v.2022.1](#)); the first-ever release of the INSPIRE TGs was published on January 31, 2022 ([v.2022.1](#)) and includes [v.2.1 of the metadata TG](#).
- 2.3.2 Data-service linking: the status of the work was presented. A [consolidated proposal on data-service simplification linking \(Part A\)](#) was agreed on [November 11, 2021](#), its quality checking is ongoing. On December 3, 2022 a [Kick-off meeting for the \(Part B\) remapping of Extended Capabilities elements](#) took place. Active discussion is ongoing in the [dedicated GitHub repository](#). The plan is to present the final results in the 69th MIG-T meeting, if consensus is reached.

#### Action 2.4

- Geoportal: the renewal of the INSPIRE Geoportal is ongoing.
  - Frontend: A new user interface (UI), enabling filtering by high-value datasets (HVDs), is ready to be published when the HVDs Implementing Act enters into force.
  - Backend: Phase I (core functionality) was successfully closed, with the delivery of a GeoNetwork-based prototype by the contractor (GeoCat) on 5 November, 2021. Results from testing, which included the harvest of all endpoints to compare the indicators with the results from the M&R 2021, were sent back to GeoCat on 3 December, 2021. Phase II (additional functionality, bug fixing and helpdesk) was kicked-off on 21 January, 2022. The delivery of a production-ready system is foreseen in Q2 of 2022. Engagement and training of MS and EFTA countries will be organised after this delivery. Adaptation of the Geoportal UI to the new system has already started.
- Reference Validator: [v.2022.0](#) was released on January 19, 2022. Tests on metadata checking the discoverability of IACS data (published by EU MS CAP Paying Agencies) were added to the [staging instance](#). An API Gateway was implemented to limit the automated use of the Validator API.
- Registry: the last delivered version of the Re3gistry software is v2.2.4 (27 July, 2021). The INSPIRE Registry, currently based on Re3gistry v1.3, will be updated to Re3gistry v2 during the first half of 2022. The new contract for the operational support to INSPIRE includes the future maintenance and evolution of the Re3gistry software, the Registry Federation tool and the INSPIRE Registry.

#### Action 3.1

- GreenData4All is an action mentioned in the European strategy for data launched in 2020. The GreenData4All initiative focuses, among other priorities, on the evaluation of the INSPIRE Directive. In this regard, there was a positive opinion from the Audit Board in November, DG ENV is now revising the staff working document (SWD), and will then kick-off a final inter-service consultation with all European Commission services to get their view on the SWD, then it will go to the College in February-March and finally will be published. The underlying study for the evaluation will also be published together with the SWD.
- Revision of the INSPIRE Directive: it has been politically validated. In Q2 and Q3 of 2022 there will be a public consultation and an impact assessment study will start in Q2 2022 (lasting until Q1 2023).
- The process for adopting the amendments of the INSPIRE Implementing Rules (IR) is still ongoing. The written consultation in November-December of 2021 ended up with a positive opinion. Next step is the translation in all official languages and the scrutiny that will take 3 months. At the earliest, the adoption will happen in May 2022.

<b>ELISE Pool of experts</b> <ul style="list-style-type: none"> <li>• GitOps and containerisation for INSPIRE (Just van den Broecke)</li> </ul>	<p>The approach for using GitOps and a stack of open source tools for automation and scaling of data sharing practices was presented. A thorough overview of the presented work is available on GitHub and in a chapter of the <a href="#">JRC Technical report</a>.</p>
<b>Update on Commission initiatives</b> <ul style="list-style-type: none"> <li>• Operational Support to INSPIRE Components and Artefacts (DIGITAL)</li> <li>• Additional topics <ul style="list-style-type: none"> <li>◦ GreenDataForAll</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• The approach for support to the 'Operational support to INSPIRE tools and artefacts', including the team composition of the Bilbomatica-Epsit-Guadaltel consortium was presented.</li> </ul>
<b>Wrap-up of the plenary</b>	<p>The meeting was concluded by the JRC through a recap of the agreed actions. The next 69th MIG-T meeting is scheduled for 01 Apr 2022 . Further details are made available at <a href="https://inspire.ec.europa.eu/calendar">https://inspire.ec.europa.eu/calendar</a>.</p>
Lunch break	
<b>Bilateral meetings with MIG-T members</b> (by request)	<p>Bilateral meetings were held by the European Commission (JRC, ENV, AGRI) and the EEA with MT, CY, EL and NL.</p>

## Actions

## Task report

Looking good, no incomplete tasks.