

Action 2.3: Simplification of INSPIRE implementation

Temporary sub-group on the 'Simplification of Data and Service linking'

Title	Simplification of Data and Service linking			
ID	2.3.2			
Status	<input checked="" type="checkbox"/> Proposed	<input type="checkbox"/> Endorsed	<input type="checkbox"/> In Progress	<input type="checkbox"/> Completed
Issue	<p>The current level of accessibility of INSPIRE data sets through view and download services is low. One reason for this are problems with implementing data-service linking. The approach currently described in the TGs for metadata and network services is considered complicated and partly ambiguous, even by implementation/standards experts. Many organisations are therefore facing difficulties to provide implementations in line with these requirements.</p> <p>This already has negative impacts on the overall usability of the INSPIRE infrastructure, as shown by the low values (on average) of the Monitoring indicators about the data set accessibility (see here the results of the Monitoring and Reporting 2019 process).</p>			
Proposed action	<p>The envisaged sub-group will work on the following interdependent strands of activities:</p> <ul style="list-style-type: none"> • Develop an approach for simplification of data and service linking • Validate the proposed technical approach with widely used web applications • Follow the procedure for submitting an INSPIRE Good practice 			
Links & dependencies	<ul style="list-style-type: none"> • Policy and legal developments on EU common data spaces in general. • Link with central INSPIRE components and Technical Guidelines (see Action 2.4). • The outcome of this work will serve as input for the re-engineering of the INSPIRE Geoportal backend 			
Organisational set-up	The temporary sub-group will be led by the JRC, with contribution by the MIG, MIG-T, European Commission DGs and the EEA and open-source communities.			
Lead	Lead: JRC			
Scope	<p>Elaboration and submission of an INSPIRE Good practice describing a consensus-based simplified approach for data and service linkages that is proven to be implementable by de facto standard web applications.</p> <p>Update of the current TG of metadata is outside the scope of the present work, and should happen afterwards based on the technical approach delivered by the sub-group. Similarly, the development of Abstract and Executable test suites to include the technical approach</p>			

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	into the INSPIRE Reference Validator is outside the scope of the present work, and should happen at a later stage.
Tasks	<p>Task 1. Collect proposals for technical approaches for simplification in a structured manner. The materials already prepared by the former Action 2019.2 should also be considered. A dedicated GitHub space and template will be prepared for collecting concrete proposals. (March 2021)</p> <p>Task 2. Evaluate the advantages and disadvantages of the proposals with regards to (i) the possibilities for implementation by the INSPIRE geoportal, and (ii) implementation of national discovery services. This task involves the showcasing of the approaches with GeoNetwork and/or other OGC CSW implementations. (May 2021)</p> <p>Task 3. Draft a Technical Guideline proposal on GitHub for simplification of the service and data linking as alternative to the existing way of documenting the metadata-service linking. The output of this task will be used for submission of an INSPIRE Good practice initiation request. (June 2021)</p> <p>Task 4. Set-up a discovery service that showcases the provisions of the Technical Guideline developed in Task 3. (June 2021)</p> <p>Task 5. Present the results (i) during the 66th MIG-T meeting for consideration of the proposed technical approach as an INSPIRE Good Practice candidate (8-9 July), and (ii) in a dedicated webinar. (July 2021)</p> <p>Task 6. Submit the Good practice for endorsement by the 14th MIG meeting, and feed possible lessons learnt into the technical approach. (November 2021)</p>
Outcomes	Finalised and validated simplified approach for linking of data and services for use during the INSPIRE Monitoring and Reporting in 2021.
Proposed Impact	<input type="checkbox"/> Technical Adjustment / Bug Fixing <input checked="" type="checkbox"/> Technical Improvement / Development <input checked="" type="checkbox"/> Practical Support for Implementing Process <input checked="" type="checkbox"/> Cost Reducing Effect for Implementing Process <input checked="" type="checkbox"/> Direct Support on Policy-Making / - Activities
Timeline	Date of kick-off: March 2021 Proposed Date of Completion: November 2021
Required human resources and expertise	<ul style="list-style-type: none"> • MIG and MIG-T contribution • Experts nominated by MS • Engagement of relevant communities (e.g. representatives of the GeoNetwork community)

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Required financial resources and possible funding	<ul style="list-style-type: none"> • Funding foreseen by DG ENV through the EDEN Administrative Arrangement with the JRC. • In kind contribution of the MIG and MIG-T. 	
Risk factors	<p>Overall risk level of the action</p> <p><input type="checkbox"/> High</p> <p><input checked="" type="checkbox"/> Medium</p> <p><input type="checkbox"/> Low</p>	<p>Risk factors to be considered</p> <p><input type="checkbox"/> Missing Resources</p> <p><input checked="" type="checkbox"/> High Complexity</p> <p><input type="checkbox"/> Interdependencies with other Actions</p> <p>Others:</p> <p><input checked="" type="checkbox"/> Low level of engagement of the relevant stakeholders</p> <p><input checked="" type="checkbox"/> Inter-dependencies with the foreseen work on re-engineering the INSPIRE Geoportal backend, for which the outcome of this work represents a required input.</p>