

Area of work 2: Towards a common implementation landing zone (objectives 2-4)

Action 2.3 Simplification of INSPIRE implementation

Title	Simplification of INSPIRE implementation			
ID	2020.x			
Status	<input checked="" type="checkbox"/> Proposed	<input type="checkbox"/> Endorsed	<input type="checkbox"/> In Progress	<input type="checkbox"/> Completed
Issue	<p>The implementation of INSPIRE is perceived as complex by many stakeholders and existing software tools do not always fit to the implementer and user needs. During the implementation, there are multiple bugs discovered in existing TGs, UML models, XML schemas that are at present not addressed in a systematic way and with a low level of engagement of the community. In addition, the current approach for data-service linking in the TGs (metadata and network services) is complex and provides room for different interpretations of the requirements. All of this, combined, reduces the overall benefit and limits the uptake of the INSPIRE infrastructure.</p>			
Proposed action	<p>The action will put a strong emphasis on ensuring that off the shelf software tools and libraries can be used for implementing INSPIRE requirements (as defined in Action 2019.2). An expert group under the governance of the MIG-T will be established to review and revise the existing technical guidelines, UML models and application schemas without introducing changes that not aligned with the INSPIRE IRs. In doing so, emphasis would be put on (i) minimising INSPIRE-specific extensions, and (ii) leveraging on solutions that are proven to work in practice. Where applicable, issues that would have impact on the IRs will also be captured and documented.</p>			
Links & dependencies	<ul style="list-style-type: none"> • Endorsed good practices, as defined under Action 1.1. will contribute with concrete approaches and lessons learned to the simplification of the INSPIRE implementation. • INSPIRE central components, addressed within Action 2.4 will be fine-tuned according to the decisions and updates of the technical guidelines and other artefacts produced by this action. 			
Organisational set-up	<p>The action is led by the JRC, with contribution by the MIG-T, European Commission DGs and the EEA. Temporary sub-groups and networks of experts will be established, and where necessary, procurements for ad-hoc tasks will be prepared.</p>			
Lead	<p>Lead: JRC</p> <p>Contributors: ENV, EEA, ESTAT, MS</p>			
Scope	<p>The action will focus on the simplification of the existing technical requirements of the INSPIRE implementation. Modernising the infrastructure is addressed in Action 1.1., and is therefore out of the scope of this action. In addition, the migration of the existing technical guidelines, UML models, etc. is addressed in Action 2.4, and is out of the scope of this action.</p>			

Title	Simplification of INSPIRE implementation	
Tasks	Task 1. Develop a procedure and prioritisation for updates of INSPIRE artefacts, e.g. Technical Guidelines, UML models, XML schemas (estimated deadline: March 2021); Task 2. Review and amendment of selected artefacts. Priority would be given to TGs that have the highest impact on the implementation (estimated deadline: December 2024 ¹); Task 3. Agree on a simplification approach for data-service linking and update the existing metadata TG accordingly (estimated deadline: December 2021).	
Outcomes	Simplified, flexible and transparent approach for the update of the technical artefacts in INSPIRE that also considers the support by software tools for both implementers and users.	
Proposed Impact	<input checked="" 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 type="checkbox"/> Direct Support on Policy-Making / - Activities	
Timeline	Date of Kick-off: October 2020	
	Proposed Date of Completion: December 2024	
Required human resources and expertise	<ul style="list-style-type: none"> • MIG and MIG-T contribution; • Establishment of expert group(s) for review and update of the INSPIRE artefacts on an ad-hoc basis; • Engagement of relevant communities (open source projects, standardisation bodies, etc.). 	
Required financial resources and possible funding	<ul style="list-style-type: none"> • Funding foreseen by DG ENV through the forthcoming Administrative Arrangement with the JRC. • In kind contribution of the MIG and MIG-T. 	
Risk factors	Overall risk level of the action <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low	Risk factors to be considered <input checked="" type="checkbox"/> Missing Resources <input checked="" type="checkbox"/> High Complexity <input type="checkbox"/> Interdependencies with other Actions Others: <input checked="" type="checkbox"/> Low level of engagement of the MIG and MIG-T

¹ Individual deadlines will be defined based on the prioritisation done in Task 1.

