

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

Action 2.4 Central infrastructure components

Title	Central infrastructure components			
ID	2020.x			
Status	<input checked="" type="checkbox"/> Proposed	<input type="checkbox"/> Endorsed	<input type="checkbox"/> In Progress	<input type="checkbox"/> Completed
Issue	<p>Central INSPIRE components such as the Geoportal, Validator, Registry, Forum and INSPIRE Knowledge Base, are essential for the implementation and evolution of the INSPIRE infrastructure. All of those components were developed separately and under different contexts, which has led to the use of different technologies, establishment of individual helpdesks, highly customised systems. In addition, the tools are at present tightly coupled with the JRC infrastructure. At present, the JRC is mainly involved with the evolution of the central components. Such an approach is not sustainable in the long term.</p> <p>Establishing adequate governance mechanisms, creating communities and establishment of strategic partnerships within the INSPIRE community and with other stakeholders, e.g. open source communities would ensure smooth and shared evolution of the components. In addition most, if not all of the tools, can be reused in other contexts which in turn creates multiple opportunities for their long-term maintenance and evolution.</p>			
Proposed action	<p>The goal of this action is twofold. Firstly, it will cover the operation of the central components, incl. for the needs of the annual monitoring and reporting. Secondly, the action will come up with practical solutions for the evolution of those key infrastructure components and come up with adequate governance models for the components and related artefacts which do not only rely on the work of the JRC. In doing so, the action will focus on streamlining the underlying software and systems, based on a proposal to phase out, consolidate and/or move them to EC corporate solutions, in order to simplify long-term maintenance.</p>			
Links & dependencies	<ul style="list-style-type: none"> • Endorsed good practices, as defined under Action 1.1. will define the context for the evolution of INSPIRE central components. • The INSPIRE central components will reflect the outputs of the prioritisation initiatives as developed in Action 2.1. • The updated TGs and simplification approaches defined in Action 2.3. will provide input for the maintenance and evolution of the INSPIRE central components. 			
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	Lead: JRC			

Title	Central infrastructure components	
	Contributors: ENV, EEA, MS	
Scope	Establish appropriate governance models, operate and evolve the central INSPIRE software components in close collaboration with relevant stakeholders.	
Tasks	<p>Task 1. Operate and evolve the central infrastructure components (estimated deadline: December 2024);</p> <p>Task 2. Perform annual INSPIRE monitoring and reporting based on the INSPIRE geoportal and validator (estimated deadline: December 2024)¹;</p> <p>Task 3. Simplify and align the approaches for different solutions, incl. cloud hosting, common approach for helpdesks (estimated deadline: December 2021);</p> <p>Task 4. Establish governance approaches for central INSPIRE components and ensure interaction with stakeholders for the long-term sustainability of the components (estimated deadline: March 2022);</p> <p>Task 5. Migrate central components to mainstream ICT tools and cloud hosting (estimated deadline: October 2022).</p>	
Outcomes	Sustainable central INSPIRE components that are reusable within the context of the European Green Deal data space.	
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 groups 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	Risk factors to be considered
	<input type="checkbox"/> High	<input type="checkbox"/> Missing Resources

¹ Individual deadlines apply as defined in Commission Implementing Decision (EU) 2019/1372

Title	Central infrastructure components	
	<input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low	<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