**Slovak Republic - INSPIRE Action Plan 2016 - 2021**

In connection to the actions resulting from the bilateral meeting between European Commission (EC) and SK on the implementation of the INSPIRE Directive, held on 11th of March in Brussels, Slovakia is submitting following INSPIRE Action plan 2016 - 2021.

Main objective of this SK INSPIRE Action Plan is to present the set of foreseen activities where Slovak Republic aims to address remaining implementation gaps discussed at the meeting as soon as possible with particular view of the priority-setting on those data sets which are relevant for EU environment legislation. The action plan together with the timetable for actions will be communicated along with the next INSPIRE implementation report in May 2016.

**Setting the scene and way forward**

INSPIRE framework in Slovakia was formally established by transposition of INSPIRE Directive six years ago with the dedicated Law on National Spatial Information Infrastructure (NIPI) (Law No.3/2010 Coll.) and related Decree (No.352/2011 Coll.). Main responsibility for the INSPIRE implementation and coordination was assigned to the Ministry of the Environment (MoE), supported with the Coordination Council (KR NIPI). KR NIPI is representing the main central authorities, including the representation of local governance.

**In agreement with MoE, Slovak Environment Agency (SAZP)** is in charge of National INSPIRE Geoportal maintenance, communication with the Slovakian stakeholders, communication with DG ENV and JRC, and primary contacts in both Maintenance and Implementation Group (MIG) political and technical.

**Geodesy, Cartography and Cadastre Authority of Slovak Republic (GCCA)** is responsible for maintenance and international harmonisation of data as regards surveying and mapping and integrating up-to-date reference data on location into Slovak e-Government.

There are three other authorities responsible for the activities with close relation to the INSPIRE implementation, namely **Ministry of of Finance of the Slovak Republic (MoF)** together with the **Governmental Office of the Slovak Republic (GO)** responsible for the e-Government as well as the **Ministry of Interior of the Slovak Republic (MoI)** leading the implementation of Open Government Partnership in SR including the Open Data activities.

INSPIRE implementation in Slovakia was so far mainly driven by the efforts in the components of the metadata, partially in network services and interoperability (mainly for INSPIRE Annex 1). Slovak republic also took into the consideration the gaps identified by the European Commission and reflecting the presented key priorities for implementation and reporting demonstrated commitment for implementation and cooperation. Where possible this Action Plan is trying to take into the consideration ongoing process on the shaping of The Maintenance and Implementation Work Programme for the INSPIRE Directive for the period from 2016 – 2020[[1]](#footnote-1).

**Key priorities for implementation and reporting**

Based on Priority setting approach for implementation and reporting presented by EC during the INSPIRE Maintenance and Implementation permanent policy sub-group in December 2015 and related orientation debate an overall approach for INSPIRE implementation in Slovakia was revised. With that new Action plan for the 2016 have been approved by KR NIPI and presented during the Bilateral meeting in March 2016. This plan is already addressing the prioritization of the spatial data related to the environmental reporting. At the same time aims to address the identified gaps for the other data themes as well as remaining INSPIRE components. In addition this Action plan extends above mentioned plan with activities foreseen to take place till 2010.

*Related action:*

Datasets identified to be within the scope of priority datasets for environmental reporting will be identified in close cooperation with the EIONET representatives and documented by the metadata and made available via INSPIRE infrastructure with the highest priority in line with the outcomes of the INSPIRE Maintenance and Implementation Work Program (MIWP) action "Priority list of data sets".

**Interoperability of spatial data sets and services**

Although harmonization of the data sets according the INSPIRE exchange model has already started for some themes, in general increased effort shall take place as in documenting existing spatial data falling under the INSPIRE scope as well as in the transformation of the relevant datasets towards the target INSPIRE model. At the same time achievement of the interoperability requirements shall be in line with the expectations to meet the wide policy and end user needs.

*Related action:*

In order to increase and speed up the availability of the spatial datasets and services, together with the priority data sets, identification of any other as-is spatial datasets falling within the scope of INSPIRE will be the first set of actions. Following actions will be focused on their harmonization and alignment with the INSPIRE exchange model. The obligation of making “priority and remaining data sets” available has been communicated to all the relevant data providers.

**Compliance with metadata under Annex I-III**

Slovakia is aware of validations problems concerning metadata records from Slovak national catalogue service. Current metadata available at the EU geoportal from SK reached average degree of conformity 88,74% comparing the 82,06% reported by EC before bilateral meeting. Although some actions took place in area of filtering of non INSPIRE metadata records from SK National catalogue service, further steps will have to take place in order to increase the amount and compliancy of metadata describing the SK contribution to INSPIRE.

*Related action:*

Set of actions, including deployment of eGovernment project of spatial data registry providing the tool for collection, harvesting and validation of metadata, including set of trainings is foreseen to take place in 2016. Main aim is to document the priority as well as remaining datasets and services in order to increase the possibility to discover and access the spatial resources via INSPIRE infrastructure.

**Non-compliance of Spatial Data Services (discovery, view and download services) with the requirements of the INSPIRE Directive**

Some of spatial data services are currently made available, particularly in the area of discovery, view and download. Although these services are made available, there were identified gaps with their compliancy towards the compliancy as well as completeness. Main challenges are related to the implementation of download services.

*Related action:*

Stronger guidance and technical support for technical connection is foreseen with the recent legal changes from the MoE. Main responsibility for the fulfillment of the legal requirements will still stay with the data providers, representing the main pillars for the infrastructure itself. Establishment of the spatial data services will follow the results of the identification and harmonization activities under the interoperability INSPIRE component.

**Compliance with INSPIRE requirements on Data-sharing between authorities**

Slovakia is facing significant challenges with regards to the harmonized data sharing arrangements. Main issues are related to the heterogeneous interpretation of INSPIRE and related legal framework, resistance to harmonize and simplify data sharing, absence of harmonized data sharing licenses and agreements, availability of public spatial resources under the public domain.

*Related action:*

In order to improve the situation, update of legal framework is foreseen to take place (Decree No.352/2011 Coll), including the preparation of harmonized license templates and creation of the NIPI License Policy providing further guidance.

INSPIRE Action Plan 2016 - 2021

| No. | Action title  (Action outcome) | Milestone | Responsible/ co-responsible | Note |
| --- | --- | --- | --- | --- |
|  | Coordination |  |  |  |
| 01 | Preparation of the INSPIRE implementation strategy for SK (INSPIRE implementation strategy in SK) | 09/2016 | MoE SR / KR NIPI members | Document providing detailed clarification of the conditions for implementation of INSPIRE 2007/2/ES legal requirements for the period 2016 - 2020 |
| 02 | Coordination of the Expert group and Technical groups activities (Organizing and documentation of the Expert group and Technical groups activities) | 2016 - 2020 | MoE SR / KR NIPI members | Regular information will be continuously provided to the KR NIPI members and published via SK INSPIRE website[[2]](#footnote-2) |
| 03 | Coordination with the eGovernment a Open Data activities  (Tasks and outcomes in line with the requirements of the eGovernment and data preparing for the Open Data Portal + additional related outcomes) | 2016 - 2021 | KR NIPI  MoF SR/GO, MoE SR /members | Coordination with Open Data activities in connection to the Resolution of the Slovak Government no.59/2015[[3]](#footnote-3) |
| 04 | NSDI awareness rising (Organization of the conferences EnviroIForum, INSPIRUJME SE, publication of the information via SK INSPIRE website) | 2016 - 2021 | MoE SR / KR NIPI members | Events, published and communicated information |
|  | Spatial data and services interoperability |  |  |  |
| 05 | Evaluation of the INSPIRE mapping tables inventory  (List of identified mapping tables with the relevant update of the Register of Responsible Bodies[[4]](#footnote-4)) | 03/2016 | MoE SR | Results of the analysis implemented into the Register of Responsible Bodies |
| 06 | Spatial data and services interoperability Guidelines (Updated presentations and where needed , training video guidelines) | 02/2016 | MoE SR |  |
| 07 | Identification of the spatial datasets and priority setting  (Identified priority spatial datasets) | 03/2016 | MoE SR / KR NIPI members | Prioritization based on MIWP action "Priority list of data sets" and INSPIRE legal requirements (Newly collected and extensively restructured Annex I spatial data sets) |
| 08 | Provision of initial priority spatial datasets  (Collected priority spatial datasets) | 04/2016 | KR NIPI members | Harmonized spatial datasets - in case of newly collected and extensively restructured Annex I spatial data sets. For remaining cases datasets can remain in the structure as they are collected and maintained. |
| 09 | Provision of all priority spatial datasets  (Collected priority spatial datasets) | TBD\* | MoE SR / KR NIPI members | \* As soon as possible in line with the outcomes of MIWP action "Priority list of data sets"[[5]](#footnote-5) |
| 10 | Provision of other as-is spatial datasets  (Collected other as-is spatial datasets) | 12/2016 | KR NIPI members | Provision of the datasets falling within the scope of INSPIRE in current as-is structure |
| 11 | Provision of all Annex I datasets  (All harmonized available spatial datasets from Annex I) | 2017 | KR NIPI members |  |
| 12 | Provision of all newly collected and extensively restructured Annex II and III spatial data sets  (All harmonized provision of all newly collected and extensively restructured Annex II and III spatial data sets) | 2018 | KR NIPI members |  |
| 13 | Provision of all remaining Annex II and III spatial data sets  (All harmonized available spatial datasets from Annex II+III) | 2020 | KR NIPI members |  |
|  | Metadata |  |  |  |
| 14 | Documenting the priority spatial datasets and services via metadata (Metadata for the priority spatial datasets and services) | TBD\* | MoE SR / KR NIPI members | \* As soon as possible in line with the outcomes of MIWP action "Priority list of data sets" |
| 15 | Documenting the other as-is spatial datasets and services falling within the scope of the Annex I-III of the NSDI law n.3/2010 by metadata  (Metadata for the other spatial datasets and services from the Annex I-III of the NSDI law n.3/2010) | 12/2016 | KR NIPI members |  |
| 16 | Regular updates of the metadata for the harmonized datasets and services made compliant with the legal requirements and technical recommendations  (Metadata documenting harmonized datasets and services) | 2017-2021 | KR NIPI members |  |
|  | Spatial data services |  |  |  |
| 17 | Provision of the discovery, view and download services for documented priority datasets  (Priority datasets available via spatial data services through National and European Geoportal) | TBD\* | MoE SR / KR NIPI members | \* As soon as possible in line with the outcomes of MIWP action "Priority list of data sets" |
| 18 | Provision of the discovery, view and download services for other as-is documented datasets  (Other as-is documented datasets available via spatial data services through National and European Geoportal) | 12/2016 | KR NIPI members | + Including implementation of the request from National Forest Centre to create national tile scheme for cashed services |
| 19 | Provision of the discovery, view and download services for all Annex I datasets  (All Annex I datasets available via spatial data services through National and European Geoportal) | 2017 | KR NIPI members |  |
| 20 | Provision of the discovery, view and download services for all newly collected and extensively restructured Annex II and III spatial data sets  (All newly collected and extensively restructured Annex II and III datasets available via spatial data services through National and European Geoportal) | 2018 | KR NIPI members |  |
| 21 | Provision of the discovery, view and download services for all remaining Annex II and III spatial data sets  (All remaining Annex II and III datasets available via spatial data services through National and European Geoportal | 2020 | KR NIPI members |  |
|  | Data and service sharing |  |  |  |
| 22 | Creation of "the NIPI License Policy "  (Document of "the NIPI License Policy " | 2016 | TPVSS / KR NIPI members |  |
| 23 | Harmonized data sharing arrangements in use | 2016 | KR NIPI members |  |
|  | Monitoring and reporting |  |  |  |
| 24 | Preparation of the SK INSPIRE Monitoring for 2015 - 2020  (SK INSPIRE Monitoring 2016-2021) | On annual basis | MoE SR / KR NIPI members |  |
| 25 | Preparation of the SK INSPIRE Report 2016, 2019 (SK INSPIRE Report 2016, 2019) | 2016, 2019 | MoE SR / KR NIPI members |  |

Notes: KR NIPI is currently represented by the following the main central authorities:

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| --- | --- |
| Ministry of Agriculture and Rural Development of the Slovak Republic | MoA |
| Ministry of Culture of the Slovak Republic | MoC |
| Ministry of Defence of Slovak republic | MoD |
| Ministry of Economy of the Slovak Republic | MoEC |
| Ministry of Education, Science, Research and Sport of the Slovak Republic | MoED |
| Ministry of Environment of the Slovak Republic | MoE |
| Ministry of of Finance of the Slovak Republic | MoF |
| Geodesy, Cartography and Cadastre Authority of Slovak Republic | GCCA |
| Ministry of Interior of the Slovak Republic | MoI |
| Ministry of Health of Slovak Republic | MoA |
| Statistical Office of the Slovak Republic | SO |
| Ministry of Transport, Construction and Regional Development of the Slovak Republic | MoT |
| Association of Towns and Communities of Slovakia | AoT |

1. https://ies-svn.jrc.ec.europa.eu/issues/2741 [↑](#footnote-ref-1)
2. http://inspire.enviroportal.sk/ [↑](#footnote-ref-2)
3. http://www.minv.sk/?ros\_od [↑](#footnote-ref-3)
4. http://inspire.enviroportal.sk/povinne\_osoby/ [↑](#footnote-ref-4)
5. https://ies-svn.jrc.ec.europa.eu/attachments/download/1589/INSPIRE\_reporting\_datasets\_list\_MIG-T\_meeting.pdf [↑](#footnote-ref-5)