

MIG – INSPIRE

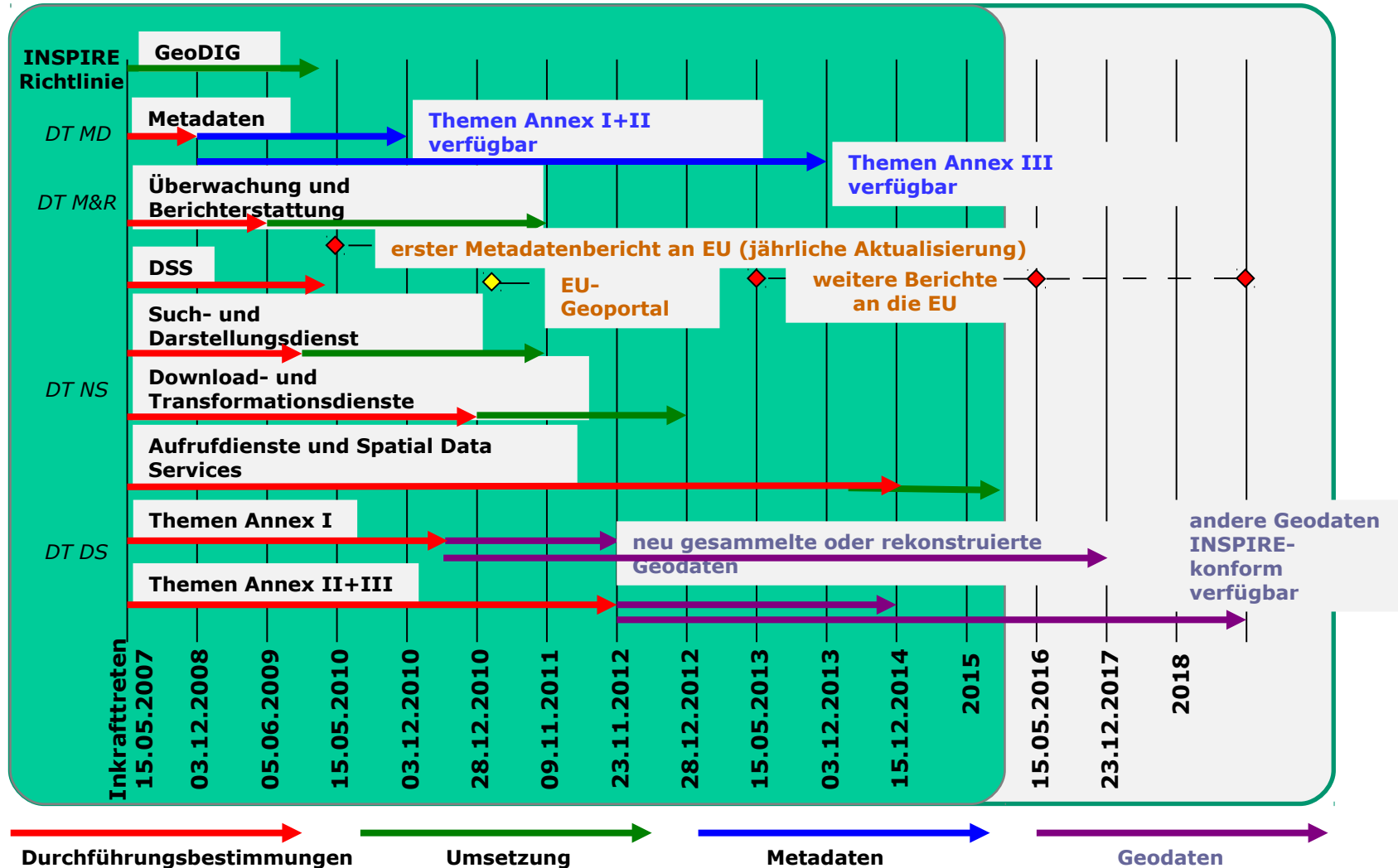


Dr. techn. Markus Jobst

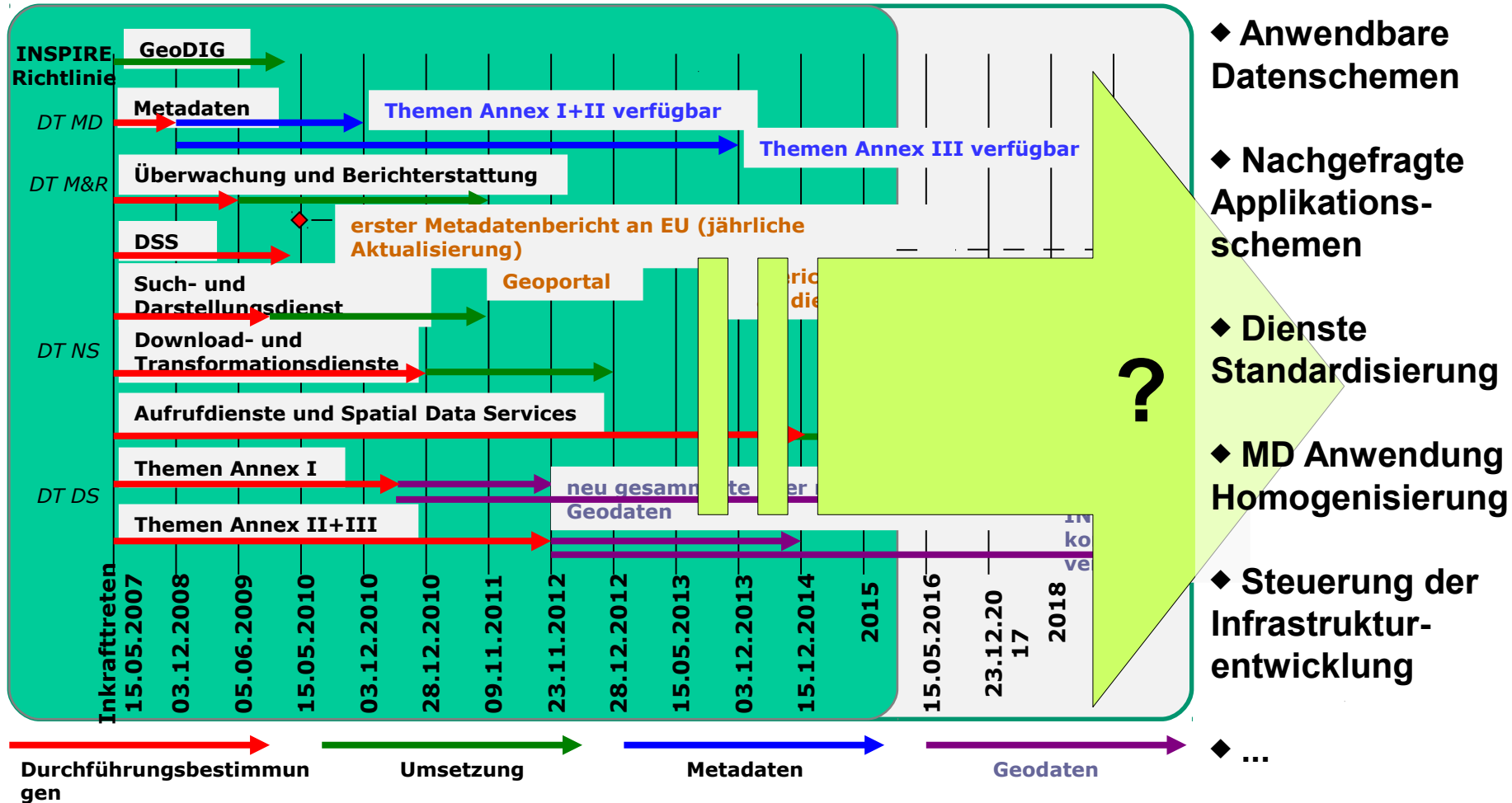
Agenda

- **Einführung**
- **MIG Struktur**
- **Österreichische Experten/Mitarbeit**
- **MIG – aktueller Status**
- **Governance**

Einleitung: Status der INSPIRE Umsetzung



Einleitung: Zukünftiger Betrieb/Instandhaltung



MIG Struktur

Terms of reference for the Commission expert group on INSPIRE Implementation and Maintenance

Expert group setup

The Commission expert group on INSPIRE Implementation and Maintenance, “the INSPIRE MIG”, is set up as an **informal expert group** through a request to the Secretariat General via the Register of Commission expert groups and other similar entities.

In der INSPIRE Committee Sitzung am 8. April 2013 erhielt die EK den Auftrag eine Expertengruppe mit dem Namen „INSPIRE Maintenance and Implementing Group (MIG) einzurichten.

Terms of reference for the Commission expert group on INSPIRE Implementation and Maintenance

Aufgaben der MIG

- Den **Austausch von Erfahrungen** in Bezug auf die INSPIRE Implementierung zu fördern.
- Die **Priorisierung der auftretenden Arbeitsinhalte** vornehmen und die Aktualisierung von Dokumenten (TG, IR) anleiten.
- **Notwendige Arbeitsinhalte identifizieren** (diese schliessen Technologien, Standards, Methoden, Stimmigkeit aller INSPIRE Komponenten usw. mit ein) und der EK helfen diese Inhalte zu adressieren.
- **Regelmässig ein rollierendes Arbeitsprogramm** für die INSPIRE maintenance and implementation zu erstellen, das vom INSPIRE Komitee und der EK befürwortet wird.
- Die **Evolution von INSPIRE** und die Beziehung zu anderen Richtlinien zu diskutieren.

Terms of reference for the Commission expert group on INSPIRE Implementation and Maintenance

Permanent subgroup on strategic and policy related issues MIG-P

- A permanent MIG sub-group shall be set up for the specific purpose of discussing and
 - providing advice on the **evolution of INSPIRE** and its
 - **relationship with other policies**, including the
 - **endorsement** of the MIG's work programme.

- The sub-group shall be composed of one **representative** and one alternative representative for each EU Member State, EFTA country, EU acceding country and EU candidate country.

- The countries shall ensure that their representatives have a **solid understanding of the strategic aspects** of the INSPIRE implementation in their country and are aware of the relation of INSPIRE to other policies.

Terms of reference for the Commission expert group on INSPIRE Implementation and Maintenance

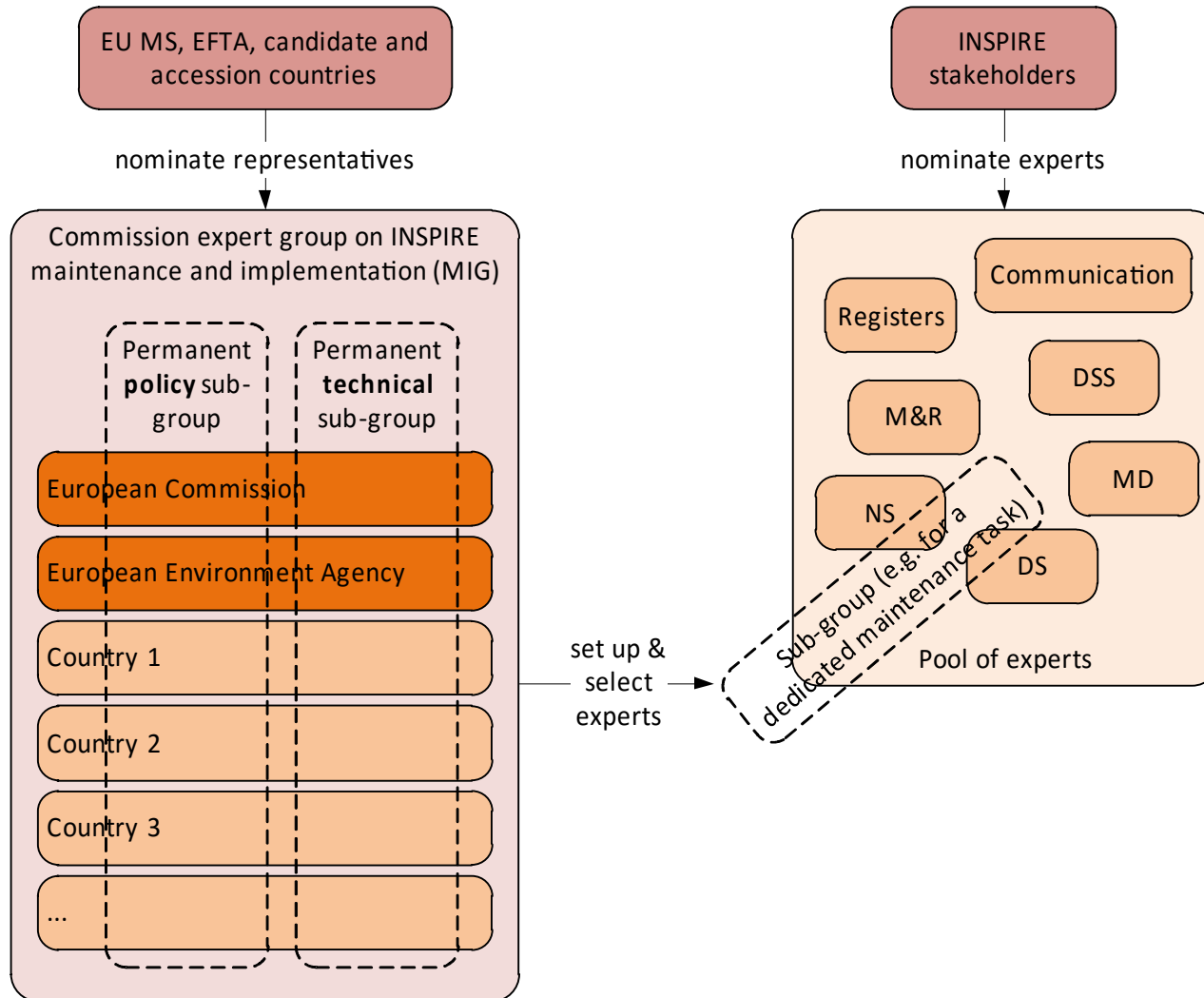
Permanent subgroup on technical issues MIG-T

- A permanent MIG sub-group shall be set up for the specific purpose of discussing and **providing advice** on the technical aspects, including the **preparation and regular update** of the rolling work programme for INSPIRE maintenance and implementation.

- The sub-group shall be composed of one permanent and one alternative representative for each EU Member State, EFTA country, EU acceding country and EU candidate country.

- The countries shall be responsible for ensuring that their representatives have a
 - **solid understanding of the technical and architectural aspects** of the INSPIRE implementation in their country, but are also aware of
 - the **wider political and organisational** context.

INSPIRE MIG Struktur



Terms of reference for the Commission expert group on INSPIRE Implementation and Maintenance MIG-Temporary Subgroups

- The members of the temporary sub-groups shall be **selected by the INSPIRE MIG permanent sub-groups**, in agreement with the Commission, from a database of experts established through an open call, hereinafter referred to as “the **pool of experts**”.
- When selecting members for a temporary sub-group, the INSPIRE MIG should aim at striking a **balance** within the temporary sub-group in terms of representativeness of members, gender and geographical origin.
- The Commission may invite experts from outside the pool of experts with **specific competence** in a subject on the agenda to participate in the work of a temporary sub-group on an ad hoc basis. In addition, the Commission’s representative may give **observer status** to individuals, organisations as defined in Rule 8(3) of the horizontal rules on expert groups and candidate countries.
- The Commission shall provide secretarial services if not otherwise provided.
- Personal data shall be collected, processed and published in accordance with Regulation (EC) No 45/2001.

Terms of reference for the Commission expert group on INSPIRE Implementation and Maintenance MIG Pool of Experts

- The pool of experts shall be set up and maintained **based on an open ended call** for experts by the Commission.
- The call shall be **open to all interested stakeholders**.
- The Commission shall keep the pool of experts up-to-date. In particular, it shall regularly **check** whether the experts listed in the pool are still **available for work** supporting INSPIRE maintenance and implementation.

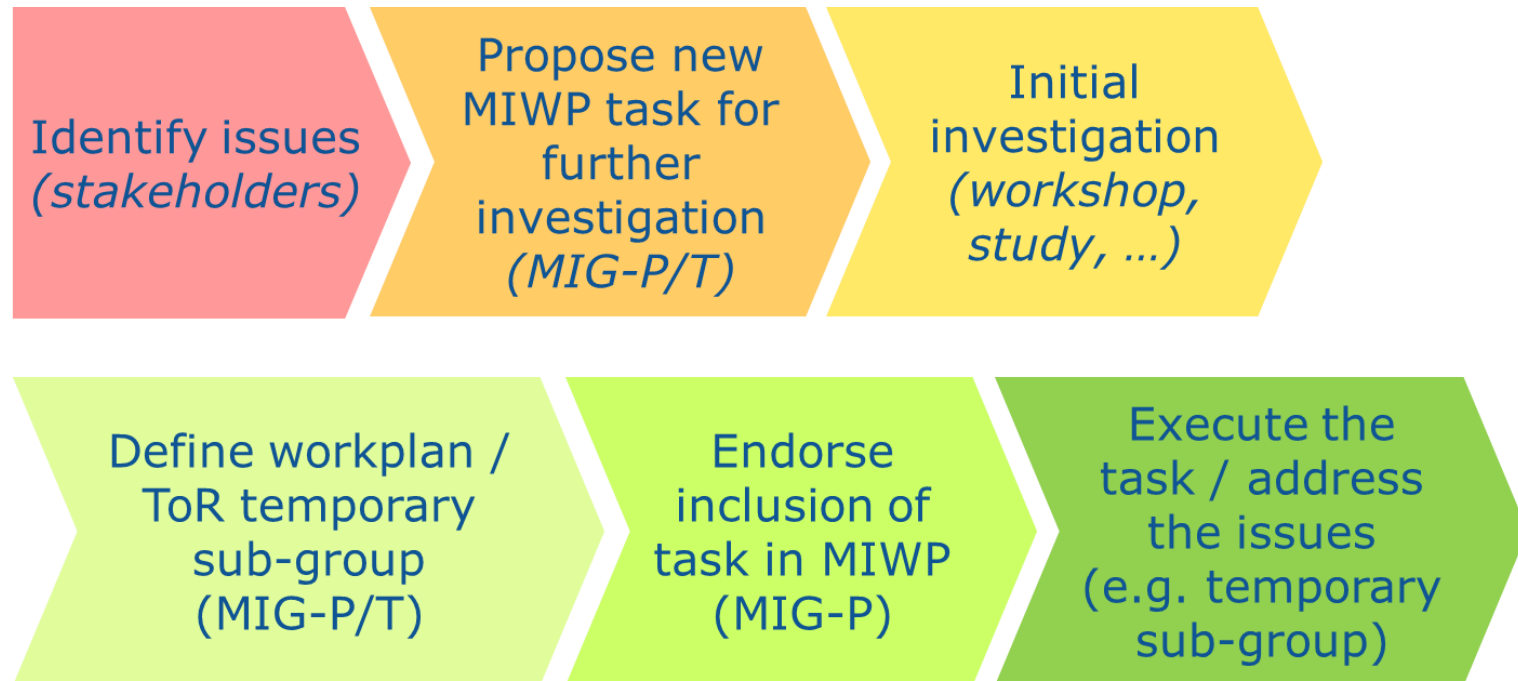
INSPIRE MIF

INSPIRE Maintenance and Implementation Framework (MIF)

Die Europäische Kommission (EK) etabliert mit Zustimmung der Mitgliedstaaten ein **INSPIRE Maintenance and Implementation Framework (MIF)**, das dieselben Prinzipien verwendet, wie jene bei der Einrichtung der Infrastruktur. Dieses MIF adressiert folgende Herausforderungen:

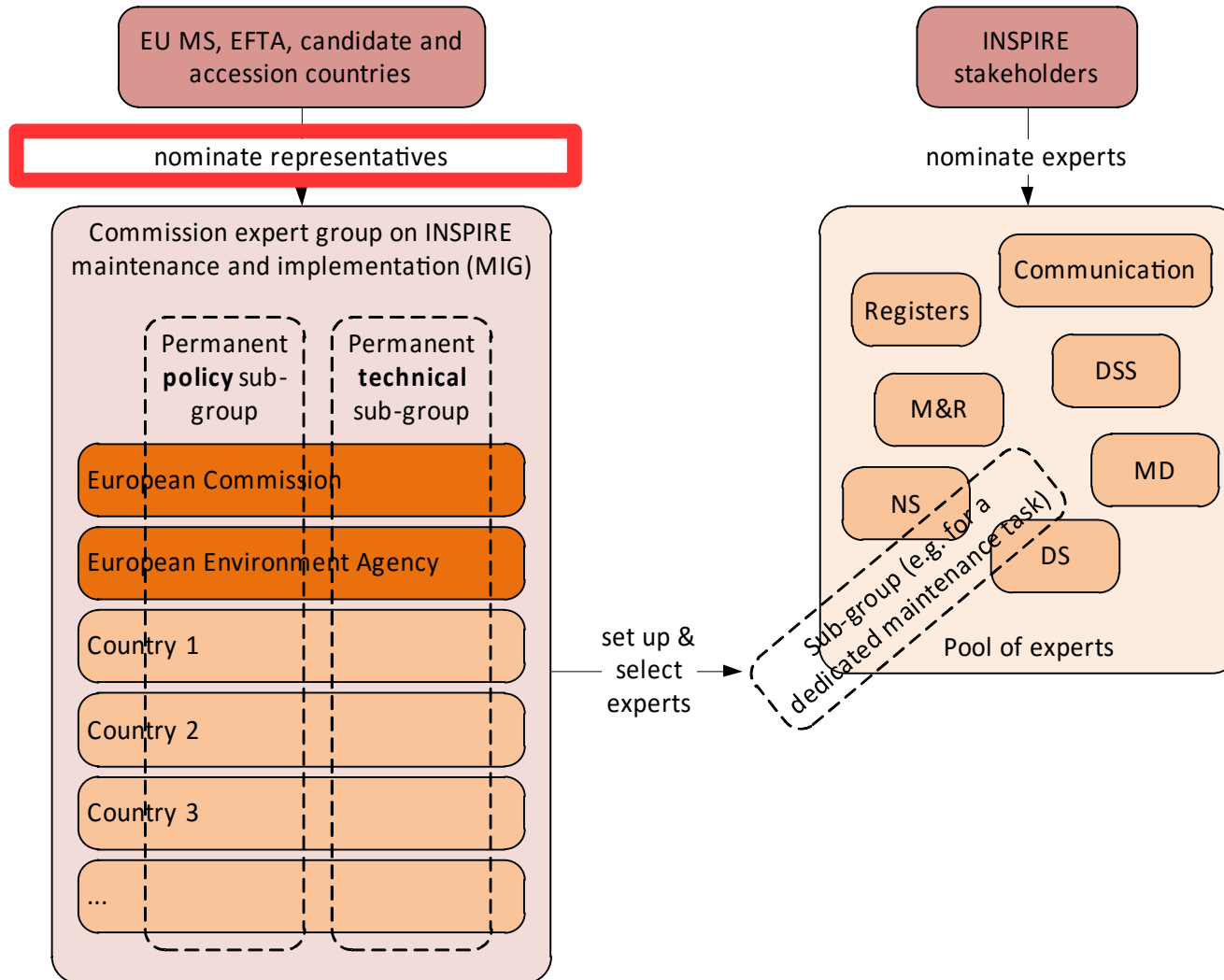
- Die **Inhalte sind vollkommen abgestimmt** auf die laufenden Entwicklungen der restlichen Durchführungsbestimmungen.
- Die Inhalte **unterstützen die Mitgliedstaaten** bei der weiteren Implementierung der Durchführungsbestimmungen.
- Das Framework berücksichtigt **Erfahrungen aus der Implementierung** (dies kann zu Änderungen der rechtlichen Grundlagen oder der technischen Anleitungen und verwendeten Registern und Werkzeugen führen).
- Die Komponenten der Infrastruktur müssen umfassend und in ihrer **Querschnittsfunktion** beurteilt werden, sodaß das Bild stimmig bleibt – Themen aus einer Durchführungsbestimmung können viele Andere betreffen. Bsp. SDS IR und die Metadaten für Dienste.
- Die **Inhalte sollen flexibel**, den Inhalten der Umweltpolitik und -aktivitäten folgend, bearbeitet werden.
- Der **Arbeitsaufwand soll adäquat bemessen** und nach auftretenden Anforderungen die Instandhaltung und Evolution von INSPIRE unterstützen.

INSPIRE MIF Entwicklung



Österreichische Experten/Mitarbeit

INSPIRE MIG Konzept



INSPIRE MIG Delegierte

MIG-T Representatives

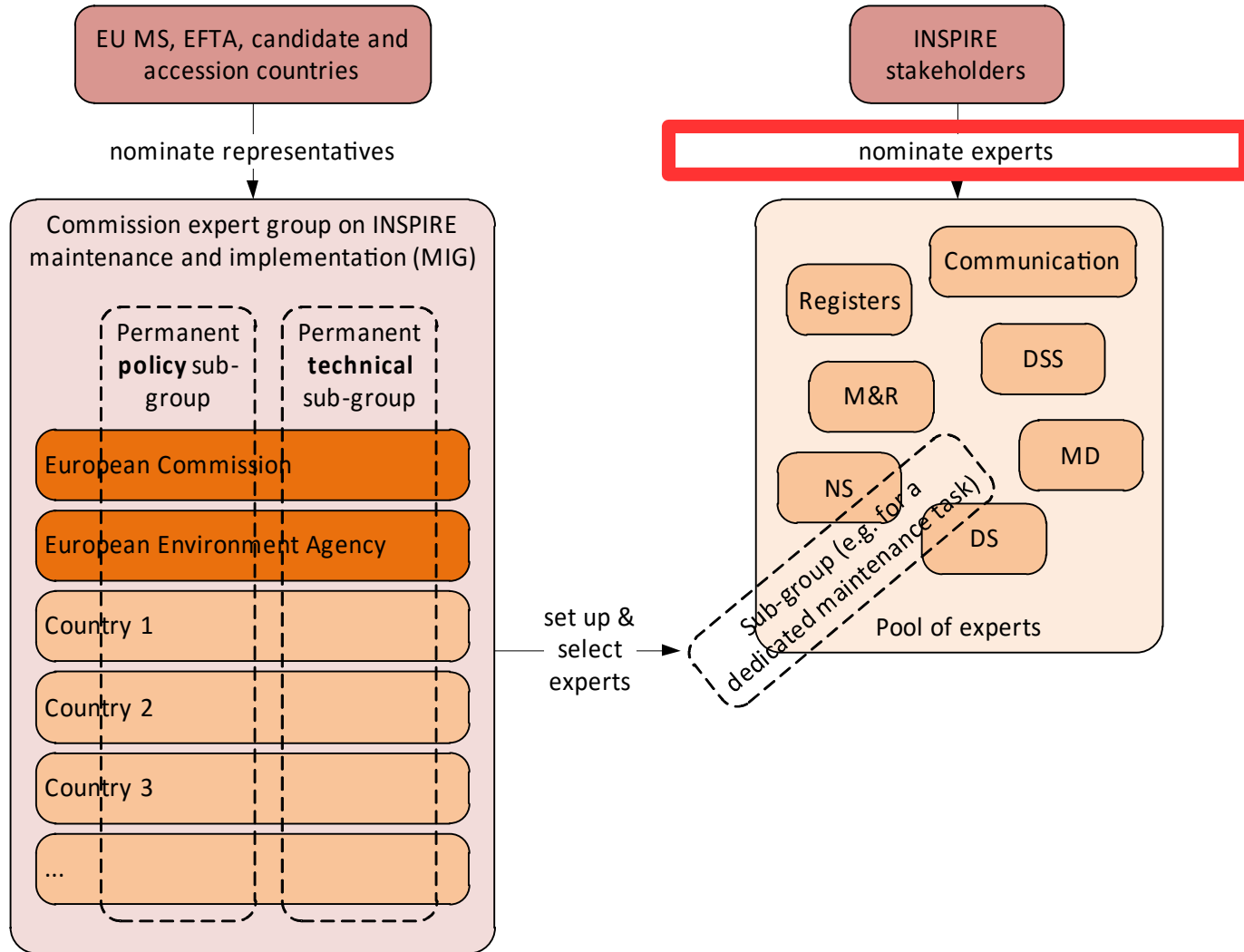
COUNTRY ▲	NAME ▲	EMAIL	ORGANISATION
Austria	Wolfgang Fahrner		
Austria	Markus Jobst		Deputy Head of Information Management
Belgium	Ouns Kissiyar		INSPIRE National Contact Point
Belgium	Nathalie Delattre		Programme Manager
Bulgaria	Nikolay Ivanov Petrov		Head of Unit at Department Spatial Data
Croatia	Tomislav Ciceli		Head of NSD1 Division
Cyprus	Andreas Hadjiraftis		Secretary of INSPIRE Management Council of C
Cyprus	Anthi Lakkotrypi - Koukkouri		Secondary NCP
Czech Republic	Lenka Rejentova		INSPIRE Specialist
Czech Republic	Jiří Poláček		Head department of Information System of Ca
Denmark	Laers Erik Storgaard		Project Manager, National Reporter
Denmark	Heidi Vanparys		AC specialist
Estonia	Peep Krusberg		Representative for INSPIRE Committee meetin INSPIRE National Contact Point
Estonia	Sulev Õitspuu		Chief Specialist of Bureau of Geoinfosystems
Finland	Antti Vertanen		Director of Information Management
Finland	Jari Reini		Chief of Division, Spatial Data Infrastructure
France	Marc Leobet		
France	Marie Lambelin		

INSPIRE MIG Delegierte

MIG-P Representatives

COUNTRY ▲	NAME	EMAIL	ORGANISATION
Austria	Markus Jobst		Deputy Head of Information Manager
Austria	Wolfgang Fahrner		
Belgium	Ouns Kissiyar		INSPIRE National Contact Point
Belgium	Leen De Temmerman		INSPIRE National Contact Point
Belgium	Dominique Buffet		Attaché
Belgium	Xavier Demarets		Directeur
Bulgaria	Georgi Gladkov		Director Department Spatial Data
Croatia	Marić Ljerka		Head of SDI Sector
Croatia	Tomislav Ciceli		Head of NSD1 Division
Cyprus	Andreas Hadjiraftis		Secretary of INSPIRE Management Co
Cyprus	Anthi Lakkotrypi - Koukkouri		Secondary NCP
Czech Republic	Eva Kubátová		Coordinator of e-government project
Czech	Titus F... ..		INSPIRE Coordinator

INSPIRE MIG Konzept



INSPIRE MIG Experten aus AT

NAME	EMAIL	ORGANISATION	REPRESENTING	STATUS
Ansoerge Christian		Umweltbundesamt	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Christian Sam		Land Wien	an existing SDIC/LMO: Municipal Department 41 - City of Vienna	
Christine Gassner		Umweltbundesamt GmbH	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Gabriele Vincze		Umweltbundesamt GmbH	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Gebhard Banko		Umweltbundesamt	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Gissing Reinhard		Bundesamt für Eich- und Vermessungswesen (BEV)	an existing SDIC/LMO: Federal Office of Metrology and Surveying (BEV)	
Grillmayer Roland		Environment Agency Austria	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Herbert Schentz		Umweltbundesamt GmbH	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Jüptner Bernhard		BEV - Bundesamt für Eich- und Vermessungswesen	an existing SDIC/LMO: Federal Office of Metrology and Surveying (BEV)	
Magagna Barbara		Umweltbundesamt GmbH	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Mittlboeck Manfred		Research Studios Austria	Personal Capacity	
Obersteiner Erik		Umweltbundesamt GmbH	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Pesendorfer Gerold		LFRZ	Personal Capacity	
Pichler Peter		LFRZ	Personal Capacity	
Schleidt Katharina		Umweltbundesamt GmbH	an existing SDIC/LMO: Umweltbundesamt Gmbh (Austrian Federal Environment Agency)	
Seeger Oliver		LFRZ	Personal Capacity	
Wolfgang Tinkl		LFRZ	an existing SDIC/LMO: Land-, forst- und wasserwirtschaftliches Rechenzentrum GmbH	

MIG INSPIRE Experten

Meldungen bis November 2015 (sofern bekannt)

- MIWP-3: Guidelines and **best practices for access control**
Peter Pichler, Land-, forst- und wasserwirtschaftliches Rechenzentrum GmbH (LFRZ)
- MIWP-5: **Validation and conformity testing**
Wolfgang Tinkl, ...
- MIWP-6: **Registries and registers**
Norbert Pfaffinger, Umweltbundesamt GmbH
Wolfgang Tinkl, ...
- MIWP-7: **Extension of Download Service** TG for observation, coverage and tabular data
Katharina Schleidt, Umweltbundesamt GmbH (UBA)
- MIWP-8: **Update of Metadata TG**
Gassner Christine, Umweltbundesamt GmbH
Mittelboeck Manfred, Research Studios Austria
- MIWP-16: Improve **usefulness and reliability of monitoring information**
Erik Obersteiner, Umweltbundesamt GmbH
- MIWP-19: Explore and improvement on the situation of **controlled vocabularies** in the framework of INSPIRE
Herbert Schentz, Umweltbundesamt GmbH (UBA)
- MIG-P drafting group, review the **governance of the INSPIRE MIWP**
Markus Jobst, Bundesamt für Eich- und Vermessungswesen (BEV)

>> Kommunikation und Rückfluss in die NKS?

MIG – aktueller Status



MIG Collaboration Platform

Hauptseite

Welcome to the collaboration platform of the INSPIRE Maintenance and Implementation Group (MIG). This platform is used by the MIG and its sub-groups for discussions (using the issue tracker) and sharing information on on-going activities (using the wiki, documents, news or calendar sections).
 "Projects": <https://ies-svn.jrc.ec.europa.eu/projects>: List of the activities of the MIG and specific tasks in the maintenance and implementation work programme "Work programme": https://ies-svn.jrc.ec.europa.eu/projects/mig-inspire/issues?query_id=19: Overview of the tasks in the maintenance and implementation work programme (MIWP) "MIG wiki page": <https://ies-svn.jrc.ec.europa.eu/projects/mig-inspire/wiki>: Agendas and minutes of MIG meetings "INSPIRE web site": <http://inspire.ec.europa.eu/index.cfm/pageid/5160>: More information on the INSPIRE Maintenance and Implementation Framework (MIF) and the MIG

Letzte News

Re3gistry development & testing: Re3gistry software v0.4 publication

Von Daniele Francioli vor 25 Tagen hinzugefügt

MIG-T: Re3gistry software v0.4 publication

Von Daniele Francioli vor 25 Tagen hinzugefügt

MIG-T: Workshop on WCS-based download services & coverages

Von Michael Lutz vor 27 Tagen hinzugefügt

Re3gistry development & testing: INSPIRE registry service release 4

Von Daniele Francioli vor etwa 1 Monat hinzugefügt

Re3gistry development & testing: RDF beta format (1 Kommentar)

Testing period extended until September 21 to let you test the RDF (beta) format

Von Daniele Francioli vor etwa 1 Monat hinzugefügt

[Alle News anzeigen](#)

Neueste Projekte

- Re3gistry development & testing** (09 Jul 2014 09:53 vormittags)

<p>The aim of this sub-project is to support the development of "the Re3gistry software": <https://joinup.ec.europa.eu/software/re3gistry/description> (software) and the INSPIRE registers and registry service (service and content) If you are interested in testing new release candidates of the software or service, please register in the MIG collaboration space and send an e-mail to inspire-registry-dev@jrc.ec.europa.eu.
- MIG permanent policy sub-group (MIG-P)** (08 Jul 2014 03:34 nachmittags)

This project contains information about the MIG policy sub-group (MIG-P), whose tasks are to discuss and provide advice on the strategic and policy-related aspects of INSPIRE maintenance and implementation, including the endorsement of the rolling work programme for INSPIRE maintenance and implementation (MIWP)...
- MIWP-20: Guidelines for harmonised layer names** (07 Jul 2014 03:04 nachmittags)

This project will propose guidelines for harmonised layer names (Task MIWP-20 of the INSPIRE maintenance and implementation work programme)
- MIWP-5: Validation & conformity** (24 Apr 2014 02:32 nachmittags) This sub-project addresses the following issues of the Maintenance and Implementation Work Programme:
 - MIWP-5: Validation and conformity testing

As INSPIRE is coming into a practical implementation phase there is a great need of tools for validation (metadata, service and data). There is a validation service (Webservice) available at the EU-portal and some countries have also developed tools for validation of metadata and services, for instance in the Netherlands and Germany. These validators might include slightly different interpretations of standards. To ensure that result from a tests of conformity are identical, a common, officially approved, validator should be accessible from INSPIRE web. ...
- MIWP-8: Metadata** (16 Apr 2014 08:04 nachmittags)

This sub-project covers MIWP-8: Update of Metadata TG

Status – MIG-P



MIG >> MIG-P

[Activity](#) [Issues](#) [News](#) [Wiki](#)

MIG-P Meetings (face-to-face and virtual)

- 3rd MIG-P meeting, 2015-12-04 (face-to-face), Rome
- MIG & NCP workshop on INSPIRE and e-Reporting, 2015-01-27-28, Ispra
- 2nd MIG-P meeting, 2015-01-26-27 (face-to-face), Ispra
- **1st MIG-P meeting**, 2014-09-15 (face-to-face), Brussels

Status – MIG-T

MIG-T meetings

Virtual meetings take place on the last Thursday of every month from 10:00-11:30 CE(S)T. Face-to-face meetings usually take place twice per year, in spring and autumn.

- 25th MIG-T meeting, 2015-12-01/02/03 (face-to-face), Rome, Italy
- 24th MIG-T meeting, 2015-10-29 (virtual)
- 23rd MIG-T meeting, 2015-09-24 (virtual)
- 22nd MIG-T meeting, 2015-08-27 (virtual)
- 21st MIG-T meeting, 2015-07-30 (virtual)
- 20th MIG-T meeting, 2015-06-25 (virtual)
- 19th MIG-T meeting, 2015-05-29 (face-to-face), INSPIRE/GWF conference, Lisbon, Portugal
- 18th MIG-T meeting, 2015-04-30 (virtual)
- 17th MIG-T meeting, 2015-03-11/12 (face-to-face), Madrid, Spain
- 16th MIG-T meeting, 2015-02-26 (virtual)
- 15th MIG-T meeting, 2015-01-22 (virtual)
- 14th MIG-T meeting, 2014-12-18 (virtual)
- 13th MIG-T meeting, 2014-11-27 (virtual)
- 12th MIG-T meeting, 2014-10-30 (virtual)
- 11th MIG-T meeting, 2014-09-30/10-01 (face-to-face), London, UK
- 10th MIG-T meeting, 2014-08-28 (virtual)
- 9th MIG-T meeting, 2014-07-24 (virtual)
- 8th MIG-T meeting, 2014-06-17 (face-to-face), Aalborg, Denmark
- 7th MIG meeting, 2014-05-27 (virtual)
- 6th MIG meeting, 2014-04-09-10 (face-to-face), Arona, Italy

Status – MIG-T: endorsed actions

✓ # ▲	Tracker	Status	Priority	Subject	Assignee	Updated
<input type="checkbox"/> 2127	MIWP-Action	Endorsed	Normal	MIWP-5: Validation and conformity testing	Carlo Cipolloni	28 Oct 2015 09:07 am
<input type="checkbox"/> 2128	MIWP-Action	Work in progress	Normal	MIWP-6: Registries and registers	Michael Lutz	27 Oct 2015 05:00 pm
<input type="checkbox"/> 2130	MIWP-Action	Work in progress	Normal	MIWP-8: Update of Metadata TG	Michael Östling	29 Oct 2015 07:30 am
<input type="checkbox"/> 2136	MIWP-Action	Work in progress	Normal	MIWP-14: Theme specific issues of data specifications & exchange of implementation experiences in thematic domains	Robert Tomas	24 Sep 2015 05:00 pm
<input type="checkbox"/> 2138	MIWP-Action	Work in progress	Normal	MIWP-16: Improve usefulness and reliability of monitoring information	Paul Hasenohr	29 Jul 2015 06:21 pm
<input type="checkbox"/> 2192	MIWP-Action	Endorsed	Normal	MIWP-21: Pilots for INSPIRE-based applications (including for e-reporting)	Vanda Nunes de Lima	25 Aug 2015 04:53 pm
<input type="checkbox"/> 2401	MIWP-Action	Work in progress	Normal	MIWP-7a: Extension of Download Service TG for observation data	Alexander Kotsev	28 Oct 2015 03:24 pm
<input type="checkbox"/> 2419	MIWP-Action	Work in progress	Normal	MIWP-18a: Annex I xml schema updates	Michael Lutz	27 Oct 2015 05:14 pm
<input type="checkbox"/> 2440	MIWP-Action	Endorsed	Normal	MIWP-7b: Extension of Download Service Technical Guidelines for Web Coverage Services (WCS)	Jukka Rahkonen	29 Oct 2015 09:48 am

Status – MIG-T: proposed actions

✓ # ▲	Tracker	Status	Priority	Subject	Assignee	Updated
<input type="checkbox"/> 2115	MIWP-Action	Proposed	Normal	MIWP-1: Improve accessibility and readability of TG	Michael Lutz	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2124	MIWP-Action	Under elaboration	Normal	MIWP-2: Create and maintain FAQ page	Michael Lutz	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2125	MIWP-Action	Under elaboration	Normal	MIWP-3: Guidelines and best practices for access control	Michael Lutz	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2126	MIWP-Action	Under elaboration	Normal	MIWP-4: Managing and using http URIs for INSPIRE identifiers	Michael Lutz	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2131	MIWP-Action	Proposed	Normal	MIWP-9: Future directions for INSPIRE geoportal	Michael Lutz	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2133	MIWP-Action	Under elaboration	Normal	MIWP-11: Simplification and clarification of GML encoding for spatial data		10 Dec 2014 01:29 pm
<input type="checkbox"/> 2134	MIWP-Action	Under elaboration	Normal	MIWP-12: Clarification of UML-to-GML encoding rules		10 Dec 2014 01:29 pm
<input type="checkbox"/> 2137	MIWP-Action	Proposed	Normal	MIWP-15: Overview of INSPIRE coordinating structures, architectures and tools	Michael Lutz	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2139	MIWP-Action	Proposed	Normal	MIWP-17: Data and service sharing & licencing models	Darja Lihteneger	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2141	MIWP-Action	Proposed	Normal	MIWP-19 Explore and improvement on the situation of controlled vocabularies in the framework of INSPIRE	Christian Ansorge	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2142	MIWP-Action	Proposed	Normal	MIWP-20: Improved guidelines for harmonised layer names	Benoit David	10 Dec 2014 01:29 pm
<input type="checkbox"/> 2420	MIWP-Action	Proposed	Normal	MIWP-18b XML schema maintenance	Michael Lutz	27 Apr 2015 06:07 pm

Pragmatische Dimension - MIG Thematical Clusters

Call for facilitators (Moderatoren)

- Alle Infrastrukturen, und INSPIRE ist keine Ausnahme, brauchen Instandhaltung und Evolution, wenn sie für ihre Ziele und Teilnehmer/Benutzer **relevant bleiben** wollen.
- Sämtliche **Erfahrungen** aus Etablierung der technischen Anleitungen (z.B. Datenspezifikationen) müssen ausgetauscht werden, um die Performance und Anwendbarkeit in den thematischen Gruppen zu steigern.
- Um diese weitere **Entwicklung/Evolution von INSPIRE zu fördern**, werden die technischen Praktiken untersucht und online Kollaborationsplattformen eingerichtet, um Themen-spezifische Erfahrungen auszutauschen.
- Die **Kollaborationsplattformen** sollen zum zentralen Zugangspunkt werden, um Erfahrungen einzubringen, Fragen zu stellen und Probleme zu lösen. Die soll Implementierern und Benutzern die Möglichkeit bieten, die gegenseitigen Anforderungen domänenspezifisch auszutauschen.
- Die vorgeschlagenen thematischen Cluster basieren auf **Ähnlichkeiten der Inhalte und Datenprovider**. Sie verlinken Datensätze mit den Erfahrungen aus der Entwicklungsphase der INSPIRE Datenspezifikationen.

MIG Thematical Clusters und ihre Moderatoren

- 1. Geology, Soil, Natural Risk Zones, Mineral resources, Energy resources: **Tim Duffy** (EuroGeoSurveys)
- 2. Land Use, Land Cover: **Lena Hallin-Pihlatie**
- 3. Elevation, Orthoimagery, Geographical Grids, Reference Systems: **Jorge Escriu**
- 4. Environmental Monitoring Facilities, Observations and Measurements: **Alessandro Sarretta**
- 5. Agricultural and Aquaculture Facilities, Production and Industrial Facilities, Utility and Governmental Services: **Angel Lopez Alos**
- 6. Geographical Names, Administrative Units, Cadastral Parcels, Addresses, Buildings, Transport Networks: **Anja Hopfstock**
- 7. Hydrography, Oceanographic Features, Sea Regions, Atmospheric Conditions and Meteorological Geographical Features: **Keiran Millard**
- 8. Protected Sites, Area Management/Restriction/Regulation Zones and Reporting Units, Habitats and Biotopes, Species Distribution, Biogeographical Regions: **Brian Mac Sharry**
- 9. Statistical Units, Population Distribution, Human Health and Safety: **Mirosław Migacz**

Governance

MIG INSPIRE Governance (Steuerung)

Perspektiven der Steuerung

- Das "Open Distributed Processing – Reference Model" (RM-ODP, **ISO/IEC 1074**) definiert die folgenden fünf Ansichten eines Systems, die eine "Trennung der Anliegen" (separation of concerns) während des Analyse- und Lösungsdesigns ermöglicht:
 - **Enterprise Viewpoint** – beschreibt den **Zweck, Umfang und Geschäftszusammenhang** der Geodateninfrastruktur (GDI).
 - **Information Viewpoint** – fokussiert auf die **Informationsdimension der GDI**, inklusive der Identifikation von Informationselementen und Informationsflüssen.
 - **Computational Viewpoint** – fokussiert auf die Aufteilung der GDI in ihre **funktionalen Komponenten** unabhängig von einer spezifischen Umgebung.
 - **Engineering Viewpoint** – fokussiert auf die **praktischen Gegebenheiten** des GDI Aufbaus; diese betreffen die verwendeten Komponenten innerhalb der Netzwerkinfrastruktur.
 - **Technology Viewpoint**: identifiziert **mögliche technische Artefakte** für Konstruktionsmechanismen, Computerstrukturen, Informationsstrukturen oder Unternehmensstrukturen, während Unabhängigkeit von der anderen vier Ansichten soweit möglich angestrebt wird.

MIG INSPIRE Governance (Steuerung)

Leitende Prinzipien

- **Anforderungen an die Weiterentwicklung/Instandhaltung von INSPIRE**
 - Effiziente, strukturierte und transparente Abarbeitung der Arbeitsaufgaben
 - Umsetzungsaufwand gering halten
 - Interessen der verpflichteten öffentlichen Anbieter wahren und deren Rahmenbedingungen berücksichtigen
 - Konsensuale und objektive Ergebnisfindung
 - Kooperative strategische Ausrichtung
 - ...

Agenda

- Einführung
- MIG Struktur
- Österreichische Experten/Mitarbeit
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SPATIAL DATA INFRASTRUCTURE

