

## MIG-T - Call for participation #2228

### MIWP-5: MIG temporary sub-group on Validation and conformity testing

09 Oct 2014 12:45 pm - Michael Lutz

<b>Status:</b>	Closed	<b>Start date:</b>	09 Oct 2014
<b>Priority:</b>	Normal	<b>Due date:</b>	31 Oct 2014
<b>Assignee:</b>	Carlo Cipolloni		

#### Description

This is a call for participation in the MIG temporary sub-group on Validation and conformity testing.

As INSPIRE is coming into a practical implementation phase member states, national contact points, dataset and service providers as well as software implementers express a great need for conformance validation tools regarding INSPIRE metadata, service and data regulations. This has been recognised in the proposed task MIWP-5: Validation and conformity testing (#2127) in the INSPIRE maintenance and implementation work programme.

In the [intial workshop on MIWP-5](#), it was decided to set up a sub-group and develop a work plan for the work on MIWP-5, which has subsequently be confirmed by the MIG-T.

The main objective of the sub-group is the development of a commonly agreed European validator for INSPIRE metadata, network services and data sets. The validation and conformity testing will be based mainly on the technical solutions proposed in the TGs. The sub-group shall be organised according to the following three main tasks:

1. Policies and procedures
2. Software development
3. Test development

Background and a detailed description of the scope, tasks and deliverables is available in the attached Terms of reference and draft work plan.

Nominations by MIG representatives and applications from the pool of experts should be posted as comments to this issue, specifying the following information:

Name:

E-mail:

Affiliation:

Expertise: [what qualifies the expert for participation in this sub-group?]

Contributions: [what can the expert contribute to the goals of this sub-group?]

Experts who would like to support the work of this sub-group should send an [e-mail to Carlo Cipolloni and Michael Lutz](#) with the above information and/or contact their [national MIG-T representatives](#).

The initial deadline for nominations and applications is 2014-10-31.

The virtual kick-off meeting will take place on 12 December 2014 from 10:00-12:00 CET.

#### History

**#1 - 09 Oct 2014 03:27 pm - Michael Lutz**

- File deleted (INSPIRE MIG ToR Validation and conformity testing final.docx)

**#2 - 09 Oct 2014 03:28 pm - Michael Lutz**

- File INSPIRE MIG ToR Validation and conformity testing final.docx added

### #3 - 10 Oct 2014 09:21 am - Emilio López Romero

- Name: Alejandra Sánchez
- E-mail: [asmaganto@fomento.es](mailto:asmaganto@fomento.es)
- Affiliation: National Centre of Geographic Information
- Expertise: Expertise Details:
  - o Member of the team of development of the Spatial Data Infrastructure of Spain (IDEE) in National Geographic Institute (IGN), and coordinator of production of metadata for dataset and services and catalogue clients in IGN.
  - o Responsible of Technical Working Groups Catalogues and Metadata of National Geographic High Council and the edition and maintaining of Metadata Spanish Core for Data and Services and recommendation an Guidelines about metadata.
  - o Coordinate of the metadata working subgroup of the IDEE
  - o Member of the DCAT application profile Working Group and participation in the definition the DCAT application profile for data portals in Europe.
  - o Participation in the definition of metadata profile of EURADIN project (EUROpean Address Infrastructure) that aims at constituting a Best Practice Network in order to promote the European Address harmonization regarding the definition, registration and access to the European Address Data.
  - o Participation collaborator in the design methodology for transformation of MARC21 cataloguing Historical Cartography to the UNE-EN ISO 19115 Geographic Information, as defined recently from Europe by the INSPIRE Directive and its implementation in a tool.
- Motivation: she can provide a great expertise in, not only metadata, catalog and services but also in validation of metadata and services.

### #4 - 10 Oct 2014 10:54 am - Paul Hasenohr

Name: Christian Ansorge, Darja Lihteneger, Paul Hasenohr

E-mail: [christian.ansorge@eea.europa.eu](mailto:christian.ansorge@eea.europa.eu), [darja.lihteneger@eea.europa.eu](mailto:darja.lihteneger@eea.europa.eu), [paul.hasenohr@eea.europa.eu](mailto:paul.hasenohr@eea.europa.eu)

Affiliation: European Environment Agency

Expertise: MIG-T members involved in monitoring (MIWP-16), metadata (MIWP-8) and transformation of data sets into INSPIRE conformant ones

Contributions: Provision of expertise and linkage with other MIWPs.

### #5 - 10 Oct 2014 04:11 pm - Alex Ramage

The UK propose

Name: Tim Duffy

E-mail: [trd@bgs.ac.uk](mailto:trd@bgs.ac.uk)

Affiliation: European Environment Agency

Expertise: MIG member and previously IOCTF Services team

Contributions: Considerble experience in metadata validation, XML/GML scema and schematron validation and OGC/ISO WMS and WFS services conformance testing (using CITE team engine and other approaches) and standard conformance generally. JRC contact for Geoscience thematic cluster with ATS test development and implementation on the agenda.

and

Name: Peter Parslow

E-mail: [peter.parslow@ordnancesurvey.co.uk](mailto:peter.parslow@ordnancesurvey.co.uk)

Affiliation: Ordnance Survey

Experience: specified & tested the schematron rules used in the UK metadata editor & harvesting; drafted the users documentation & reviewed the technical documentation;

Motivation: overlapping interests: member of UK INSPIRE metadata working group; ISO 19115-3 project team; Ordnance Survey's own compliance;

### #6 - 16 Oct 2014 11:30 am - Michael Lutz

- Description updated

**#7 - 21 Oct 2014 12:06 pm - Carlo Cipolloni**

The Netherlands proposes Thijs Brentjens (Geonovum).

Name: Thijs Brentjens

e-mail: [t.brentjens@geonovum.nl](mailto:t.brentjens@geonovum.nl)

Affiliation: Geonovum (the Netherlands)

Experience: Developing technical tests and validation tools for INSPIRE View and Download Services, in a national (the Netherlands) and European context (European Location Framework - ELF) with the ESDIN Test Framework (ETF / SOAPUI). Developing (web) applications and services based on geospatial standards, like INSPIRE view and download, OGC WMS and OGC WFS and providing consultancy services on the implementation and use of these standards. Also, good knowledge of ISO metadata standards (19115, 19119, 19139) and INSPIRE metadata.

Motivation: Thijs can provide his expertise in (and details on) the validation rules applied in the validation tooling in the Netherlands of both metadata and INSPIRE view and download services (for an overview of the available validation tooling in the Netherlands <http://www.geonovum.nl/wegwijzer/validatie>). And he is also well informed and experienced in the implementation of validation rules in the ESDIN Test Framework (ETF). ETF is used in the Netherlands for the validation of INSPIRE View and Download services.

**#8 - 22 Oct 2014 03:03 pm - Markus Jobst**

Name: Wolfgang Tinkl,

E-Mail: [wolfgang.tinkl@lfrz.at](mailto:wolfgang.tinkl@lfrz.at)

Affiliations: Land-, forst- und wasserwirtschaftliches Rechenzentrum GmbH (LFRZ)

Fields of expertise: Provider of INSPIRE network services for BMLFUW

Contributions: Mr. Tinkl acts as central application provider for many authorities in Austria. LFRZ established an Austrian MD editor and runs the Austrian MD node (together with BEV) for the NCP, which leads to the providing of validation information for all the INSPIRE providers in Austria. Therefore some knowledge has been acquired and further validation experience could be shared.

**#9 - 23 Oct 2014 06:49 am - Carlo Cipolloni**

Italy propose Antonio Rotunno and Giacomo Martirano

Name: ANTONIO ROTUNDO

E-mail: [antonio.rotundo@agid.gov.it](mailto:antonio.rotundo@agid.gov.it)

Affiliation: AGENZIA PER L'ITALIA DIGITALE

Expertise: He has been working at the implementation of the Italian National Catalogue for Spatial Data (RNDD). In this context, he has been working in the technical assistance to (national, regional and local) Public Administrations in order to create and publish metadata conformant to national and INSPIRE rules; definition of the Italian technical guidelines about metadata for the spatial data sets and services; define a procedure to validate metadata and developed a validation web system for metadata.

Contributions: the expert can contribute to the goals of the sub-group giving feedback from his experiences useful to solve open issues, testing possible solutions and cooperating in the production of the required deliverables.

Name: Giacomo Martirano

E-mail: [g.martirano@epsilon-italia.it](mailto:g.martirano@epsilon-italia.it)

Affiliation: Epsilon Italia (SME)

Expertise: Metadata conformance and validation procedure, data trasformation vs INSPIRE model define a conformance and validation for INSPIRE procedure, develop a validation data service based on schematron or xsd schema. Implemnetation of ATS in executable system.

Contributions: He can provide procedure, experience (some best practice) and toolkit to harmonise and validate data and metadata in INSPIRE.

**#10 - 23 Oct 2014 06:53 am - Carlo Cipolloni**

Name: Sven Böhme

Mail: [sven.boehme@bkg.bund.de](mailto:sven.boehme@bkg.bund.de)

Affiliation: Federal Agency for Cartography and Geodesy

Expertise: Specification of validation rules for metadata, network services and/or data (incl. data model and data content validation); specification and/or development of validation software (for metadata, network services and/or data) at national level; implementing Rules and Technical Guidelines for metadata and their implementation; implementing Rules and Technical Guidelines for network services and their implementation.

Contributions: Responsible Expert of the GDI-DE Test suite; the software supports INSPIRE metadata and network service tests like View Service and Discovery Service. There is a continuous developing process for new test classes (INSPIRE Download Service) and new validators or testing frameworks like TestNG.

**#11 - 23 Oct 2014 06:58 am - Carlo Cipolloni**

Name: Paul van Genuchten

E-mail: [paul.vangenuchten@geocat.net](mailto:paul.vangenuchten@geocat.net)

Affiliation: Software Engineer at Geocat bv (SME based in NI)

Expertise: Developer on GeoNetwork opensource, a metadata catalogue commonly used for INSPIRE discovery services, contribute in the national INSPIRE for Geonovum; servicedesk to support data providers in publishing their data according to INSPIRE. Developer on GeoCat Bridge, an ArcGIS Desktop extension to publish data in the cloud as INSPIRE services.

Contributions: Geonetwork has metadata validation based on schematron. I can bring experience from this field in the group; I have quite some experience with assisting data providers in testing their services on INSPIRE compliance. My focus is on usability/interoperability, full compliance is for general use cases first. Used and trained data providers in both the portal validator and Esdin Test Framework. New validation features and reports will be added to both Geonetwork and GeoCat bridge.

**#12 - 23 Oct 2014 07:05 am - Carlo Cipolloni**

Name: Iurie Maxim

E-mail: [iurie.maxim@teamnet.ro](mailto:iurie.maxim@teamnet.ro)

Affiliation: Romanian Environmental SDIC

Expertise: INSPIRE general related experience are: 6 years of experience with the INSPIRE directive which entails the sharing of geographical data (GIS) at EU level; active member within INSPIRE TWG-BR-SD-HB. On metadata good knowledge and understanding of INSPIRE Implementing Rules 1205/2008 and Technical Guidelines based on ISO 19115 and ISO 19119; coordination of design and development of and enhanced metadata editor and validator; design and implementation of protected sites, geographical names, hydrographic geodatabases according to TMs. Testing of validation rules for data models and data content for I.3., I.8. and I.9. spatial data themes.

Contributions: Develop test suite for INSPIRE view service and download service. Investigate feasibility of testing INSPIRE data sets.

**#13 - 23 Oct 2014 07:06 am - Carlo Cipolloni**

Name: Michael Östling

E-mail: [Michael.ostling@metagis.se](mailto:Michael.ostling@metagis.se)

Affiliation: Lantmäteriet (Sweden)

Expertise: Substantial experience in invalidating ISO 19115/19139 Metadata e.g. by developing Schematron rules. Editing of National Metadata profile based on ISO 19115 and Inspire.

Contributions: Experience in developing tools for managing and validating ISO 19115/19139/19119 Metadata .

Member of Swedish group for writing national guidelines for metadata and Inspire network services. Experience from design and implementation of various validation services in Swedish Geodataportal. Linkage to NIWP-8

**#14 - 23 Oct 2014 07:07 am - Carlo Cipolloni**

Name: Dolors Barrot

E-mail: [dolors.barrot@icgc.cat](mailto:dolors.barrot@icgc.cat)

Affiliation: Institut Cartogràfic de Catalunya (ICGC)

Expertise: I led the INSPIRE testing activities at the ICC, I work in the validation of the official datasets to be registered at the Catalan Cartographic Register.

Contribution: Knowing and understanding the conformity criteria for INSPIRE IR or Technical Guidelines and applying them is the best way to provide INSPIRE compliant datasets.

**#15 - 23 Oct 2014 07:12 am - Carlo Cipolloni**

Name: Daniel Cocanu

E-mail: [daniel.cocanu@teamnet.ro](mailto:daniel.cocanu@teamnet.ro)

Affiliation: Romanian Environmental SDIC

Expertise: Tested different metadata editors implemented in different MS – i.e. Romanian metadata editor, Czech metadata editor, European INSPIRE metadata editor; write specifications for development of metadata editor and validator starting from open source INSPIRE metadata editor and validator (EUOSMEGWT). Design and implementation of protected sites, geographical names and hydrographic geodatabase according Inspire data specifications and their datasets transformation according to Inspire data specifications using HALLE 2.8 and Snowflake GoPublisher Desktop software;

Contributions: Develop testsuite for INSPIRE metadata and discovery service.

**#16 - 23 Oct 2014 07:14 am - Carlo Cipolloni**

Name: Peter Deák

E-mail: [peter.deak@skgeodesy.sk](mailto:peter.deak@skgeodesy.sk)

Affiliation: Research Institute of Geodesy and Cartography in Bratislava, Slovak Republic

Expertise: administration of the metadata system (cooperation with Institute of Geodesy and Cartography [IG&C]), monitoring activities around the INSPIRE and implementing its requirements for our main organization - Geodesy, cartography and cadastre authority of Slovak republic (GCCA), testing web services, metadata and data models for the IG&C for INSPIRE and Primary database of the GIS (ZBGIS). Results are available on the resort geoportal – [www.geoportal.sk](http://www.geoportal.sk)

Contributions: mainly testing

**#17 - 23 Oct 2014 07:15 am - Carlo Cipolloni**

Name: Luis Bermudez

E-mail: [lbermudez@opengeospatial.org](mailto:lbermudez@opengeospatial.org)

Affiliation: OGC

Expertise: Director of the OGC Compliance Program: Editor of the OGC Compliance Policies and Procedures, and manager of the Executable Test Suites and TEAM Engine software development

Contributions: Help guide on process developing ATS and ETS, help guide on certification process, and link to OGC compliance program.

**#18 - 24 Oct 2014 11:06 am - Carlo Cipolloni**

Name: Fabio Vinci

E-mail: [f.vinci@epsilon-italia.it](mailto:f.vinci@epsilon-italia.it)

Affiliation: Epsilon Italia

Expertise: Expertise in developing ETS derived from ATS contained in the Data Specifications. Expertise in supporting European projects partners in tasks related to data transformation and validation according to INSPIRE Data Specifications. Co-author of the Validation Briefcase (in the frame of the Community Project "NATURE-SDIplus"), consisting of procedures to test datasets and metadata against INSPIRE Data Specification encodings and related schematron rules. Creation of Training modules on Dataset/Metadata validation.

Contributions: Specific support to Tasks: 1.b.iii, 1.b.iv, 1.c; and to Outcomes; 2.e, 2.f and 2.h as described in article 2 of ToR. Generic support to other tasks/outcomes, if needed.

**#19 - 24 Oct 2014 11:11 am - Carlo Cipolloni**

Name: Stefania Morrone

E-mail: [s.morrone@epsilon-italia.it](mailto:s.morrone@epsilon-italia.it)

Affiliation: EPSILON ITALIA srl

Expertise: Expert in activities related to the implementation of the INSPIRE Directive: datasets and metadata encodings, schema transformation and validation procedures for datasets and metadata against the requirements contained in the INSPIRE IR and Data Specification – Technical Guidelines, both using Proprietary and/or Open Source Software, in the frame of following projects: “ArcFUEL – Forest Fuel Mapping Service” ([www.arcfuel.eu](http://www.arcfuel.eu)); “eENVplus – eEnvironmental services for advanced application within INSPIRE”; “LIFE + IMAGINE” and “GeoSmartCity”. Developer of a tool for “dataset – centric” validation: the “eENVplus Validation Service”, which provides executable tests to evaluate whether a GML dataset fulfils both the requirements of the INSPIRE Directive and of the ISO 19136:2007 (GML 3.2.1). More specifically, the validation service makes available an implementation for the ATS (Abstract Test Suite) included in the Annex A of the INSPIRE Data Specifications. Where possible tests are completely automated, guidelines to manual execution are provided otherwise.

Contributions: Experience gained “on the field” related to: the common approach to (i.e. methodology for) the harmonization and validation of data and metadata in compliance to INSPIRE adopted in the framework of eENVplus, LIFE+IMAGINE, GeoSmartCity; the design and development of the eENVplus Validation Service for dataset validation and will help the design of a commonly agreed European validator for INSPIRE.

**#20 - 26 Oct 2014 02:02 pm - Michael Lutz**

The JRC would like to propose the following members for the sub-group. Apart from providing expertise for the work in MIWP-5, the nominated members will act as contact points to the EC+EEA INSPIRE team. They will also involve further JRC colleagues to bring in additional expertise as required.

Name: Freddy Fierens

E-mail: [freddy.fierens@jrc.ec.europa.eu](mailto:freddy.fierens@jrc.ec.europa.eu)

Affiliation: Joint Research Centre

Expertise: JRC responsible for the European INSPIRE geoportal

Contributions: Main JRC contact point for validation; link between validator and geoportal

Name: Robert Tomas

E-mail: [robert.tomas@jrc.ec.europa.eu](mailto:robert.tomas@jrc.ec.europa.eu)

Affiliation: Joint Research Centre

Expertise: JRC contact point for several data specifications; co-author of common ATS for data specifications; contact point for metadata for interoperability; coordinator of MIWP-14 (thematic clusters)

Contributions: JRC contact point for validation of data; link to MIWP-14

Name: Vanda Nunes de Lima

E-mail: [vanda.lima@jrc.ec.europa.eu](mailto:vanda.lima@jrc.ec.europa.eu)

Affiliation: Joint Research Centre

Expertise: Coordinator of the development of data specifications and IRs on data interoperability; co-author of common ATS for data specifications; coordinator of MIWP-21 (thematic pilots)

Contributions: JRC contact point for validation of data; link to MIWP-21

Name: Michael Lutz

E-mail: [michael.lutz@jrc.ec.europa.eu](mailto:michael.lutz@jrc.ec.europa.eu)

Affiliation: Joint Research Centre

Expertise: Technical contact point for the development of data specifications and IRs on data interoperability; co-author of common ATS for data specifications; MIG-T coordinator; Contact point for ARE3NA ISA action

Contributions: link to JRC INSPIRE activities & ARE3NA activities on validation

**#21 - 29 Oct 2014 07:11 am - Carlo Cipolloni**

Name: Francisco J Lopez-Pellicer

E-mail: [fjlopez@unizar.es](mailto:fjlopez@unizar.es)

Affiliation: Universidad de Zaragoza

Expertise: 10 years of expertise in SDI technologies (mainly WMS and CSW); involved in ISO/OGC standardisation works (mainly through AEN/CTN 148); specification and development of conformance testing infrastructures. Architecture of Behaviour Driven Development (BDD) solution for conformance testing of WMS and CSW INSPIRE services for IDEE (Spanish SDI node); implementation of service monitoring software; development of services that mix OGC web services and Linked Data.

Contributions: Experience in the specification and implementation of validation software; experience in the development of ATS and ETS from INSPIRE TG; experience in the BDD approach for specifying and documenting tests.

**#22 - 29 Oct 2014 07:12 am - Carlo Cipolloni**

Name: Alberto Belussi

E-mail: [alberto.belussi@univr.it](mailto:alberto.belussi@univr.it)

Affiliation: Associate Professor, Università di Verona, Italy

Expertise: I am a member of the SpatialDBGroup that has designed and implemented the GeoUML Validator, which is a tool for the validation of spatial datasets with respect to a conceptual schema including spatial and non spatial integrity constraints. This tool has been used since 2010 for the validation of the spatial data produced by Italian Regions in accordance with the Italian National Core specification.

Contributions: Formal definition of integrity constraints for INSPIRE data specification, implementation of constraint validation in geo-relational systems through SQL queries.

**#23 - 29 Oct 2014 10:04 am - Carlo Cipolloni**

Name: Pawel Soczewski

E-mail: [psoczewski@gispartner.pl](mailto:psoczewski@gispartner.pl)

Affiliation: GIS Partner

Expertise: INSPIRE general related experience are: more than 8 years of experience with the INSPIRE directive which entails the sharing of geographical data at country and local level in Poland. Expert in activities: datasets and metadata encodings, publishing network services (Download - WFS, ATOM - WFS, View - WMS), testing schema transformation and validation procedures for datasets, metadata and services against the requirements contained in the INSPIRE IR and Data Specification – Technical Guidelines, ISO and OGC standards. Leading the analytical and technical team for implementation INSPIRE dataset and network services in Poland (country level). I have extensive experience in the practical harmonization country data sources and publication them by INSPIRE view and download services base on ESRI ArcGIS for INSPIRE, Geonetwork and our solution for INSPIRE ATOM server, including testing and validating data and services.

**#24 - 29 Oct 2014 08:27 pm - Marc Leobet**

French national point of contact would like to propose as expert :

Name: Marc Leobet

E-mail: [marc.leobet@developpement-durable.gouv.fr](mailto:marc.leobet@developpement-durable.gouv.fr)

Affiliation: FR ministry of sustainable development

Expertise: knowledge and strong understanding of implementing rules; knowledge in validation of metadata.

Contributions: chair of FR technical guidelines for metadata; link with MIWP-16, reporting issues and ISA-INSPIRE committee.

**#25 - 30 Oct 2014 10:00 am - Carlo Cipolloni**

Name: Ilkka Rinne

E-mail: [ilkka.rinne@spatineo.com](mailto:ilkka.rinne@spatineo.com)

Affiliation: Founder & CTO, OGC & INSPIRE implementation expert, Spatineo Oy

Experience: Appointed to the facilitator of the INSPIRE Validation & Conformance workshop, participant in the INSPIRE Workshop on validation and conformity, May 15-16 2014, design and implementation of the INSPIRE NS service metadata validator of Spatineo Monitor, author of the standards' compliance report for the Finnish communal GML schemas (KRYSP), participation in technical workshops related to GML and INSPIRE implementation in a leading expert role.

Contributions: Hand-on working expertise on implementing INSPIRE service metadata validator, providing insights considering the results and discussions of validation workshop, experience in different technologies and software development methodologies potentially usable in INSPIRE validation testing use cases.

**#26 - 31 Oct 2014 04:36 pm - Carlo Cipolloni**

Name: Tomas Reznik

E-mail: [tomas.reznik@sci.muni.cz](mailto:tomas.reznik@sci.muni.cz)

Affiliation: Masaryk University

Expertise: developer of the common core of the Abstract Test Suite (ATS) for the Annexes II and III during my work experience at the JRC between 2011 and 2012, experience from conceptual- XML- as well as pattern- based validations of metadata for more than 30 metadata profiles, complex testing of network services across 30 different service providers

Contributions: inputs regarding the issues on metadata validations, proposal on improvement of the normalized evaluation methodology for INSPIRE discovery services, verification of developed methodologies for testing of all network services.

**#27 - 03 Nov 2014 11:35 am - Carlo Cipolloni**

Name: Radoslav Chudý

E-mail: [rado.chudy@gmail.com](mailto:rado.chudy@gmail.com) [chudy@fns.uniba.sk](mailto:chudy@fns.uniba.sk)

Affiliation: PhD. student at Comenius University Bratislava, Faculty of Natural sciences, Department of cartography, geoinformatics and remote sensing

Expertise: My PhD. Thesis deals with INSPIRE data harmonization as well as with metadata; participated in big projects for Geodesy, Cartography and Cadastre Authority of Slovak Republic as responsible for implementation of metadata solutions for Cadastre department (project is still in process) and metadata solutions for reference spatial data of Slovakia called ZBGIS. Implementation of metainformation system for Ministry of Agriculture and Rural development of the Slovak republic. Actually I work on project about environmental health as responsible for creation of metadata and data harmonization and I spent time with testing of performance of CSW service in Europe and I found out interesting results, which will be published soon in scientific article.

Contributions: I have big experiences from implementation of metadata solution in Slovakia and during this implementation I faced lot of problems, questions, validation issues.

**#28 - 03 Nov 2014 11:49 am - Carlo Cipolloni**

Name: Daniela Hogrebe

E-mail: [Daniela.Hogrebe@bkg.bund.de](mailto:Daniela.Hogrebe@bkg.bund.de)

Affiliation: Federal Agency for Cartography and Geodesy, Coordination Office SDI Germany

Expertise: Responsible project manager for the development of the GDI-DE Test suite application she has great experience in the conceptual design of SDI and specifically INSPIRE tests. INSPIRE implementation in Germany and I have held validation workshops at the INSPIRE conference.

Contributions: Co-lead the validation and conformity testing activities.

Name: Carlo Cipolloni

E-mail: [carlo.cipolloni@isprambiente.it](mailto:carlo.cipolloni@isprambiente.it)



Affiliation: ISPRA - Institute for Environmental Protection and Research/Geological Survey of Italy

Expertise: Implemented Metadata conformance and validation process, INSPIRE and International Standard data model conformance and validation process and data harmonisation transformation using schematron for the Geological Survey of Italy and Europe.

Contributions: Lead the Work-package MIWP5 validation and conformity testing.

**#29 - 14 Nov 2014 03:43 pm - Daniela Högbe**

Please withdraw the nomination of Michael Schulz. He will attend the workshop in December but won't be able to join the temporary sub-group as well. I'm sorry, but the two different calls (workshop vs. sub-group) have caused some confusion.

**#30 - 17 Nov 2014 02:34 pm - Michael Lutz**

- Subject changed from Call for participation: MIG temporary sub-group on Validation and conformity testing to MIWP-5: MIG temporary sub-group on Validation and conformity testing

**#31 - 27 Nov 2014 10:53 am - Carlo Cipolloni**

Michael Lutz wrote:

*This is a call for participation in the MIG temporary sub-group on Validation and conformity testing.*

*As INSPIRE is coming into a practical implementation phase member states, national contact points, dataset and service providers as well as software implementers express a great need for conformance validation tools regarding INSPIRE metadata, service and data regulations. This has been recognised in the proposed task MIWP-5: Validation and conformity testing (#2127) in the INSPIRE maintenance and implementation work programme.*

*In the [initial workshop on MIWP-5](#), it was decided to set up a sub-group and develop a work plan for the work on MIWP-5, which has subsequently be confirmed by the MIG-T.*

*The main objective of the sub-group is the development of a commonly agreed European validator for INSPIRE metadata, network services and data sets. The validation and conformity testing will be based mainly on the technical solutions proposed in the TGs. The sub-group shall be organised according to the following three main tasks:*

- 1. Policies and procedures*
- 2. Software development*
- 3. Test development*

*Background and a detailed description of the scope, tasks and deliverables is available in the attached Terms of reference and draft work plan.*

*Nominations by MIG representatives and applications from the pool of experts should be posted as comments to this issue, specifying the following information:*

*Name:*

*E-mail:*

*Affiliation:*

*Expertise: [what qualifies the expert for participation in this sub-group?]*

*Contributions: [what can the expert contribute to the goals of this sub-group?]*

*Experts who would like to support the work of this sub-group should send an [e-mail to Carlo Cipolloni and Michael Lutz](#) with the above information and/or contact their [national MIG-T representatives](#).*

*The initial deadline for nominations and applications is 2014-10-31.*

*The virtual kick-off meeting will take place on December 12th from 10:00 to 12:00 AM.*

**#32 - 27 Nov 2014 04:54 pm - Michael Lutz**

- Description updated

**#33 - 10 Jan 2015 10:48 pm - Martin Tuchyna**

- Description updated

Slovakian MIG national point of contact would like to propose in addition following expert:

Name: Tomáš Kliment

E-mail: tomas.kliment@gmail.com Affiliation: University of Zagreb, Faculty of Geodesy, Slovak Environment Agency Expertise: - SDI components testing methodology design and pilot implementation on national SDI level in Slovakia presented [HERE](#).

- Design and support of implementation of the pilot version of a testing tool for metadata, quality parameters of a view service, and network service interfaces as a contribution to Agile, EuroSDR and OGC Persistent SDI test bed - PTB, presented at its workshops.

Contributions:

Support in development of a common testing methodology, related design including development of the ATS and ETS for INSPIRE components in the MIG scope.

**#34 - 15 Jan 2015 09:38 am - Michael Lutz**

From Norway we would like to nominate Kent Johnsrud for the MIWP-5: MIG temporary sub-group on Validation and conformity testing

Name: Kent-Jacob Johnsrud

Email: [Kent-Jacob.Jonsrud@kartverket.no](mailto:Kent-Jacob.Jonsrud@kartverket.no)

Affiliation: Norwegian Mapping Authority

Contributions: Validation and conformity issues

Experience: UML and GML but also some in validation, for example participating in ESDIN WP12.

(Erling Onstein has left the Norwegian Mapping Agency and is working partly in the private sector now. )

**#35 - 11 Jun 2015 12:11 pm - Michael Lutz**

Nomination by Austria:

- Name: Roland Grillmayer
- Affiliation: Umweltbundesamt (UBA) Austria
- Expertise:
  - Vice Chairman of the Expert Committee ONK84 – Geographic Information and Surveying
  - Member of the ISO/TC 211 – Geographic information – Participating in different Working Groups (WG7 / WG10 / Ad hoc Group “Best Practice UML Modelling)
  - Lecturer for the following topics on the University of Applied Life Sciences Vienna (BOKU) and Applied Sciences Wiener Neustadt (FH Wiener Neustadt)
    - GIS-Standards and Interoperability
    - Metadata and Data Quality
    - Geodata modelling (especially MDA Approach / UML / GML)
    - OGC Webservices
  - Member of the EAGLE Group, responsible for UML and GML
- Contributions:
  - making the link to ISO, regarding validation
  - testing and evaluation of Validators, etc.

**#36 - 26 Jan 2017 02:24 pm - Michael Lutz**

- Status changed from Proposed to Open

**#37 - 22 Aug 2017 02:09 pm - Michael Lutz**

- Status changed from Open to Closed

The activity of the MIWP-5 sub-group has concluded with the MIG meeting in June 2017. A new call for nominations/participation will be launched for the follow-up activities under MIWP action 2016.3.

#### **Files**

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MIWP5_projectplan_annex1.docx	43.1 KB	09 Oct 2014	Michael Lutz
INSPIRE MIG ToR Validation and conformity testing final.docx	108 KB	09 Oct 2014	Michael Lutz