

## MIG-T - Call for participation #2229

### MIWP-8: MIG temporary sub-group on Update of the Technical Guidelines for Metadata

09 Oct 2014 08:17 pm - Michael Lutz

<b>Status:</b>	Closed	<b>Start date:</b>	09 Oct 2014
<b>Priority:</b>	Normal	<b>Due date:</b>	24 Oct 2014
<b>Assignee:</b>	Michael Östling		
<b>Description</b>			
<p>This is a call for participation in the MIG temporary sub-group on Update of the Technical Guidelines for Metadata.</p> <p>During consultation with EU member states on issues working on Implementation and maintenance of Inspire metadata, a number of issues have been identified that need to be reviewed and possible updates in the technical guidelines made. Example of these issues are:</p> <ul style="list-style-type: none"><li>- A number of issues has been raised for the Metadata TG (e.g. issues concerning the metadata element useLimitation) that were not been fixed with the last update of the Metadata TG .</li><li>- The guidelines for metadata for interoperability (aka metadata for evaluation and use) are currently contained in the data specifications rather than integrated in the Metadata TG.</li><li>- The quality of the metadata harvested by the INSPIRE geoportal from the national discovery services is often quite poor, even if they are formally meeting the requirements of the metadata IRs.</li><li>- The revised versions of the ISO standards on metadata needs to be addressed to give security in planning. Many implementations are based on the existing standards. Re-building these implementations would require an enormous amount of re-investment.</li><li>- An analysis of metadata, which is created now with significant effort, should be made in order for the metadata to support additional use cases, than just the search for geodata and the allocation of information.</li></ul> <p>It has been agreed in the MIG-T meeting on 9-10/04/2014 that a sub-group should be formed to propose an update of the INSPIRE Metadata TG.</p> <p>A detailed description of the scope, tasks and deliverables of the sub-group and the list of issue to be addressed are available in the attached Terms of Reference.</p> <p>Nominations by MIG representatives and applications from the pool of experts should be posted as comments to this issue, specifying the following information:</p> <p>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?]</p> <p>Experts who would like to support the work of this sub-group should send an <a href="#">e-mail to Michael Östling and Michael Lutz</a> with the above information and/or contact their <a href="#">national MIG-T representatives</a>.</p> <p>The initial deadline for nominations and applications is 2014-10-24.</p> <p>The virtual kick-off meeting will take place on Monday 2014-11-17, 14:00-16:30 (Central European Time, GMT+1).</p>			

#### History

#1 - 10 Oct 2014 12:31 pm - Michael Östling

- Description updated

**#2 - 10 Oct 2014 03:51 pm - Alex Ramage**

The UK Propose James Reid of Edina (Edinburgh University)

James is currently on leave and I will get him to complete is experiance and notification sections.

Name: James Reid

E-mail: [james.reid@ed.ac.uk](mailto:james.reid@ed.ac.uk)

Affiliation: Edina (Edinburgh University)

Expertise: Chair of the UK Location Metadata Working Group, member of British Standards IST36 (geoinformation) ; technical advisor on implementation of Scottish Spatial Data Infrastructure & UK Location Metadata Editor; Technical input to academic SDI and discovery services for UK higher Education sector

Contributions: understanding of technical implementation issues with INSPIRE discovery services; broader appreciation of stakeholder and community usage concerns; native English speaker/proof reader

Alex Ramage

**#3 - 13 Oct 2014 11:08 am - Michael Östling**

**The Netherlands propose Ine Visser (Geonovum).**

Name: Ine de Visser

e-mail: [i.devisser@geonovum.nl](mailto:i.devisser@geonovum.nl)

Affiliation: Geonovum (the Netherlands)

**Experience:** As advisor geo standards at Geonovum is Ine responsible for, and performing, the maintenance of the Dutch metadata standards and the validation rules. The INSPIRE requirements on metadata are part of those standards. The standards are part of the Dutch (INSPIRE) portal, wherefore Ine as advisor look for European alignment with other member states, as in the "GeoNetwork and INSPIRE" meeting last year November in Amersfoort, Geonovum. Ine also advise on the relation between the Dutch geoportal and the Dutch Open Data portal, based on DCAT. The quarterly monitoring of the metadata quality in the Dutch geo portal the development of the Dutch Metadata quality policy is her responsibility. She is involved in the INSPIRE working group on monitoring.

Ine has good knowledge of ISO metadata standards (19115, 19119, 19139) and INSPIRE metadata guidelines and other INSPIRE documents.

Motivation: Ine can provide her expertise in development of metadata standards and implementation of those standards, in both the geo portal and Open data portal. She is also well informed and experienced in the INSPIRE requirements.

**#4 - 13 Oct 2014 11:10 am - Michael Östling**

Name: Houbie Frédéric

E-mail: [frederic.houbie@geomatys.com](mailto:frederic.houbie@geomatys.com)

Affiliation: GEOMATYS

**Expertise:** Involved in many activities dealing with metadata and Cataloguing since 2006 at OGC & ISO TC/211. Member of the WG for France about Metadata. Project Member of ISO19115-2014 revision.

Contributions: Feedback from INSPIRE users, Background on application of Metadata TG in France. Application of TG in Open Source projects

**#5 - 14 Oct 2014 02:34 pm - Marc Leobet**

France propose Marie Lambois (holder) and Eliane Roos (substitute) for this group.

E-mail: [Marie.Lambois@ign.fr](mailto:Marie.Lambois@ign.fr)

[eliane.roos@ign.fr](mailto:eliane.roos@ign.fr)

Affiliation: IGN-F

Expertise: Marie and Eliane work in standardisation office in IGN-F, with specific tasks about ISO19115 and its last revision.

Contributions: Eliane was the Editor for the French metadata guidelines(datasets, services and management of catalogs) and Marie continued with the French services guidelines.

As they will be both busy soon by a huge and important project, I propose to be acting for them :

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

Affiliation: Ministry of sustainable development

Expertise: general knowledge about metadata and their uses

Contributions: Coordinator of French national workgroups for metadata guidelines; translation of FR guidelines in English.

**#6 - 16 Oct 2014 11:31 am - Michael Lutz**

- *Description updated*

**#7 - 21 Oct 2014 04:21 pm - Alex Ramage**

I have updated James Reid's nomination to include expertise and Contribution.

**#8 - 21 Oct 2014 05:20 pm - Michael Östling**

**Name:** Željko Hećimović, PhD

**E-mail:**[zeljko.hecimovic@geof.hr](mailto:zeljko.hecimovic@geof.hr)

**Affiliation:** FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

**Expertise:** I was member of Croatian INSPIRE National Contact Point. Recently I change working place to Faculty. I am active in the SDI field. Now, more in scientific domain. I am author of the specification for Croatia - including also the latest INSPIRE Metadata Implementing Rules (2013-10-29). The Specification is available at the address (unfortunately only in Croatian)

[http://www.nipp.hr/UserDocsImages//dokumenti/Specifikacija\\_metapodataka\\_NIPP-a\\_NIPP\\_MP\\_v21\\_20140808.pdf](http://www.nipp.hr/UserDocsImages//dokumenti/Specifikacija_metapodataka_NIPP-a_NIPP_MP_v21_20140808.pdf). The previous Metadata specification is available in English [http://www.nipp.hr/UserDocsImages//dokumenti/Croatian%20NSDI%20Metadata%20Specifikacion\\_v.2.0.pdf](http://www.nipp.hr/UserDocsImages//dokumenti/Croatian%20NSDI%20Metadata%20Specifikacion_v.2.0.pdf) (but, INSPIRE Metadata Implementing Rules (2013-10-29) are not included in this version. Also web pages on Croatian SDI/INSPIRE metadata profile are made [http://listovi.dgu.hr/nippmetadata/index\\_engl.html](http://listovi.dgu.hr/nippmetadata/index_engl.html). The web content is according not the latest Metadata specification (It should be done). I was also involved in development of Croatian SDI geoportal and connecting it to the INSPIRE geoportal.

Contributions: I am for some years active on the topic metadata. Mostly on the national level. I think I can contribute to further development of the INSPIRE metadata. Already, updating metadata web pages to latest INSPIRE Metadata Implementing Rules (2013-10-29) can contribute to INSPIRE community. Community that should strongly share knowledge and tools.

**#9 - 21 Oct 2014 05:21 pm - Michael Östling**

**Name:** Peter Kochmann

**E-mail:**[peter.kochmann@bezreg-koeln.nrw.de](mailto:peter.kochmann@bezreg-koeln.nrw.de)

**Affiliation:** Bezirksregierung Köln, Geobasis NRW (representing SDI Northrhine-Westphalia)

**Expertise:** dealing with INSPIRE and ISO metadata for surveying and mapping agency of Northrhine-Westphalia;  
head of working group on metadata for building up SDI in Northrhine-Westphalia;  
member of SDI-Germany-working group on metadata;  
member of a German working group on metadata concerning the German surveying and mapping agencies (AdV)

**Contributions:** experience in the conflicts between INSPIRE metadata rules and ISO 19115 (detected and documented by SDI Germany);  
already having viewed the revision of ISO 19115 for suggesting a new metadata profile to the German surveying and mapping agencies (AdV);  
consideration of theme-specific metadata from INSPIRE Data Specifications for the new Northrhine-Westphalia metadata profile

#10 - 21 Oct 2014 05:22 pm - Michael Östling

**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 (<http://gis.fns.uniba.sk/?&l=en>)

System architect at G-BASE <http://www.g-base.com/>

**Expertise:** This year I'm finishing my PhD. Thesis, which deals with INSPIRE data harmonization as well as with metadata

I participated in big projects for Geodesy, Cartography and Cadastre Authority of Slovak Republic where I was 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.

I was responsible for implementation of metainformation system for Ministry of Agriculture and Rural development of the Slovak republic.

Actually I work on project about environmental health and I'm responsible for creation of metadata and data harmonization.

Last couple months I spent 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. I think this experiences can help with upgrading of technical guidelines for metadata.

#11 - 21 Oct 2014 05:23 pm - Michael Östling

**Name:** Martin Seiler

**E-mail:** [martin.seiler@bkg.bund.de](mailto:martin.seiler@bkg.bund.de)

**Affiliation:** Coordination Office SDI Germany (Federal Agency for Cartography and Geodesy)

**Expertise:** I am the chair of the German Expert Group on Metadata and have several year of experience in SDI implementation, specifically regarding metadata. I am familiar with the relevant standards/documents, practical technical issues as well as political discussions.

**Contributions:** Take part in meetings, contribute to solutions for issues in the ToR, review proposals

#12 - 21 Oct 2014 05:24 pm - Michael Östling

**Name:**

André Schneider

**E-mail:**

[andre.schneider@swisstopo.ch](mailto:andre.schneider@swisstopo.ch)

**Affiliation:**

Swiss Federal Office of Topography (swisstopo) Federal Office of Topography (swisstopo)

**Expertise:**

- Implementation and utilisation of ISO 19115/19119 metadata in the swiss geocatalogue ([www.geocat.ch](http://www.geocat.ch) , based on GeoNetwork)
- Building a swiss ISO Profile of metadata based on ISO (ISO19139CHE and GM03)
- Adaptation of the swiss Metadata Norm ( swissISO Profile) to be ISO 19115-1 compatible
- Implementation of INSPIRE Metadata in the swiss geocatalogue (special INSPIRE Editor in [www.geocat.ch](http://www.geocat.ch))

**Contributions:**

- review of proposed updates
- bring the experience of the swiss implementation of ISO and INSPIRE
- knowledge of ISO19115-1

**#13 - 21 Oct 2014 05:28 pm - Michael Östling**

**Name:** Pierluigi Cara

**E-mail:** [pierluigi.cara@protezionecivile.it](mailto:pierluigi.cara@protezionecivile.it)

**Affiliation:** Presidency of the Council of Ministers - Civil Protection Department (Italy)

**Expertise:** Since 2008 I was involved in the metadata analysis and implementation in Italian Civil Protection Department. The civil protection activity involves daily management of heterogeneous datasets, so that I've been focused my skill toward data harmonisation and I worked to improve metadata utilization in the geoscientific context. The experience was started using the FCDC standard and then I analysed the mapping to ISO 19115 standard. Furthermore I studied the application of the Italian specification related with Italian Metadata Catalogue (RNMT) also according with the INSPIRE Regulations/TG on Metadata. In the context of the EU Projects (DORIS and LAMPRE) I coordinated the activities related with the application of INSPIRE TG on Metadata, taking also into account the indications of Geology and Natural Risk Zone's Data Specifications. Recently I was involved in activities regarding analysis and implementation of a metadata profile for open data according with Italian Guidelines by Digital National Agency using DCAT.

**Contributions:** I can contribute to the goal of the sub-group about metadata analysis and comparison between INSPIRE Metadata Regulation/TG and the Theme's Data Specification recommendations. I can also give a good contribute in metadata quality evaluation.

**#14 - 21 Oct 2014 05:30 pm - Michael Östling**

**Name:** Lucie Kondrova

**E-mail:** [lucie.kondrova@geology.cz](mailto:lucie.kondrova@geology.cz)

**Affiliation:** Czech Geological Survey

**Expertise:** Implementation/Utilization of metadata based on ISO 19115/ISO 19119 - gained mainly through work on European projects OneGeology-Europe (now responsible for the maintenance of the 1G-E Metadata catalogue) and Minerals4EU and through being part of the team responsible for CGS' metadata provision

**Contributions:** Networking with metadata experts in some European geological surveys, experiences with metadata implementation, testing and commenting of proposals

**#15 - 21 Oct 2014 06:14 pm - Michael Lutz**

- File deleted (*MIWP5\_projectplan\_annex1.docx*)

**#16 - 21 Oct 2014 06:14 pm - Michael Lutz**

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

**#17 - 22 Oct 2014 02:02 pm - Markus Jobst**

Name: Mittelboeck Manfred, Research Studios Austria

E-Mail: [manfred.mittelboeck@researchstudio.at](mailto:manfred.mittelboeck@researchstudio.at)

Affiliation: Representing Personal Capacity at Research Studios Austria

Expertise: metadata standards (e.g. ISO 19115, Dublin core, W3C DCAT)

Contributions: Development of the Austrian INSPIRE conformant metadata standard profil.AT 2.0 and the Austrian Standard ON A 2270:2010 - Metadata for Geographic resources - that incorporates INSPIRE, ISO and OGD.

**#18 - 22 Oct 2014 02:59 pm - Carlo Cipolloni**

The Italy propose as expert Anotonio Rotunno

Name: Antonio Rotunno

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

Affiliation: AgID - Italian Digital Agency

Expertise: Responsible of Italian Metadata Catalogue, Responsible of Italian Metadata implementation and he's main actor in Italian technical guideline

deployment, also takes in account the new Interoperability Metadata TG.

Contribution: He's the main involved person in the implementation and validation Metadata TGs in Italy and he has a strong operational experience to improve the MD and he can contribute to update them. Moreover he's also involved in the Italian semantic interlinked initiative.

**#19 - 22 Oct 2014 03:05 pm - Markus Jobst**

Name: Gassner Christine, Umweltbundesamt GmbH

E-Mail: [christine.gassner@umweltbundesamt.at](mailto:christine.gassner@umweltbundesamt.at)

Affiliations: UmweltbundesamtGmbH (Austrian Federal Environment Agency)

Fields of expertise: Responsible for implementation of Austrian's national data and metadata. Testing its conformity and the conformity of the connexion between metadata and services.

Contributions: Implementation in the Member States INSPIRE Technical Guidelines

**#20 - 23 Oct 2014 01:16 pm - Sulev Õitspuu**

Estonia propose Age Sild to this group:

Name: Age Sild

E-mail: [age.sild@maaamet.ee](mailto:age.sild@maaamet.ee)

Affiliation: Estonian Land Board Bureau of Spatial Data Services, GIS Specialist

Expertise: Compiler of Estonian Land Boards INSPIRE metadata and adviser of INSPIRE metadata compilation on national level. Experience in compiling of Estonian INSPIRE metadata monitoring report about 2013.

Contributions: Experience in MD implementation.

**#21 - 23 Oct 2014 11:42 pm - Joeri Robbrecht**

Name: Geraldine Nolf

E-mail: [geraldine.nolf@agiv.be](mailto:geraldine.nolf@agiv.be)

Affiliation: AGIV (Flemish Geographical Information Agency)

Expertise: Geraldine is the leading Metadata expert in Flanders. She has expertise in ISO-19110, ISO-19115, ISO-19139.

Contributions: Geraldine was the project leader for the implementation of the regional INSPIRE metadata system based on GeoNetwork. She also was the editor for the Flemish metadata guidelines(datasets, services, feature catalogs) and is the main point of contact for metadata in Flanders.

**#22 - 24 Oct 2014 08:34 am - Michael Östling**

**Name:** Pawel Soczewski

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

**Affiliation:** GIS Partner

**Expertise:** Involved in many activities dealing with metadata and Cataloguing since 2006 in Poland. Member of the WG for Poland about Metadata. In particular, participated in works:

- Draft metadata profile "Metadata profile for spatial planning in Poland ;
- Metadata profile "Geoinformation metadata profile for Poland" and technical guidance „Metadata for spatial data created by geodetic and cartographical service in Poland”;
- „ Guidelines for the preparation metadata for INSPIRE cadastral parcels ” on order the Head Office of Geodesy and Cartography of Poland;
- Preparation and implementation conception of Polish network of discovery services on order the Head Office of Geodesy and Cartography of Poland;
- Implementation/Utilization of metadata based on ISO 19115/ISO 19119 and INSPIRE requirements.

In addition, I have extensive experience in the practical implementation of discovery services and metadata, backed, among others, by leading the analytical and technical team for implementation Polish national node of INSPIRE Discovery Service and other local nodes. I also have experience in "cache and no-cache" federated CSW.

Contributions: I've a lot of theoretical and practical knowledge of implementation ISO and INSPIRE standards and that's both in the metadata creation and publishing discovery services. I think this experiences can help with updating of technical guidelines for metadata.

**#23 - 24 Oct 2014 08:36 am - Michael Östling**

**Name:** Javier NOGUERAS ISO

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

**Affiliation:** Universidad de Zaragoza (Spain), Computer Science and Systems Engineering Department, Advanced Information Systems Research Group

**Expertise:**

- I have been involved in the design and development of CatMDEdit, an open source metadata editor specialized in geographic metadata.
- I have participated in national and international standardization bodies special group meetings for the approval and update of metadata standards: [2002-2005] member of CEN/ISSS Metadata/Dublin Core Workshop (MMI-DC); [2005-2010] member of CEN/TC 287 Geographic Information Working Group 5 on Spatial Data Infrastructures; [2005-] member of Spanish AEN/CTN148 Standardization Technical Committee on Digital Geographic Information; [2004-] member of "Metadata Working Subgroup" of the Spanish Spatial Data Infrastructure (IDEE)

**Contributions:**

I would be interested in the following topics:

- Improvement of the technical guidelines for recommending a better formalization of metadata content in order to facilitate later the work of discovery services. For instance, the generalised use of SKOS-based vocabularies (or similar Knowledge Organization Systems), and not only for subject-like properties, would promote the harmonization of content and as a consequence, an increase of the precision and recall of discovery services.
- Analysis of new metadata standards and formats for the implementation of INSPIRE metadata. The use of DCAT or RDF should be considered nowadays to take into account current initiatives like Linked Data or Open Data.
- Analysis of new use cases of metadata, where metadata content could help in the automatic exploitation of associated data. For instance, a file with drought index raw data could be accompanied with metadata explaining (or referring to) how these data should interpreted, i.e. a translation between numerical range values, and qualitative drought levels. Metadata standards like ISO19115 have elements to refer to feature catalogs, which could be probably used for this purpose, but there has been little success so far to make this idea operative.

**#24 - 24 Oct 2014 09:39 am - Michael Östling**

**Name:** Kristian Senkler

**E-mail:** [k.senkler@conterra.de](mailto:k.senkler@conterra.de)

**Affiliation:** con terra GmbH

**Expertise:**

This clause is taken from my CV:

"Kristian is a recognized expert in specification development and standardization. He has been working on specification development within the Open Geospatial Consortium and ISO TC/211. He is the editor of 'OpenGIS Catalogue Services Specification 2.0.2 - ISO Metadata Application Profile (1.0.0)' and an member of ISO TC/211 WG 4 (Geospatial services).

He has been very active within the INSPIRE initiative, especially in the Drafting Team Metadata where he was the Co-Chair. He also contributed to the Network Services TG on INSPIRE Discovery Services.

At con terra, he is a senior software developer and head of development of sdi.suite terraCatalog, a OGC/ISO Catalogue service that will be further developed with respect to the INSPIRE regulations. Kristian has been working within the field of software development for many years. During this period he acquired excellent skills in the field of object oriented analysis, design and development."

**Contributions:**

My contribution to the sub group comprises the following fields:

1. Implementation/Utilization of metadata based on ISO 19115/ISO 19119, ISO 19115-1/ISO 19115-3;
2. Building profiles/extensions of metadata based on ISO 19115/ISO 19119;
3. National implementation of INSPIRE metadata;

**#25 - 24 Oct 2014 10:37 pm - Joeri Robbrecht**

Name: Vincent Bombaerts

E-mail: [vincent.bombaerts@spw.wallonie.be](mailto:vincent.bombaerts@spw.wallonie.be)

Affiliation: Service Public de Wallonie

Expertise: management of the Walloon metadata catalogue, development of editorial guidelines to ensure quality of metadata, expertise in ISO 19115, soon testing migration towards the new ISO 19115-1/3 in a geonetwork based catalog

Contributions: Feedback from the users, bring experience from ISO 19115-1/3 implementation, bring experience from the development of editorial guidelines

**#26 - 26 Oct 2014 02:07 pm - Michael Lutz**

The JRC would like to propose the following member for the sub-group.

Name: Andrea Perego

E-mail: [andrea.perego@jrc.ec.europa.eu](mailto:andrea.perego@jrc.ec.europa.eu)

Affiliation: Joint Research Centre

Expertise: metadata for open data portals; co-author of DCAT AP; mapping INSPIRE metadata - DCAT AP

Contributions: JRC contact point for metadata; INSPIRE metadata & open data portals; usage of unique ids in metadata

Apart from providing his expertise for the work in MIWP-8, Andrea will act as contact points to the EC+EEA INSPIRE team and will involve further JRC colleagues to bring in additional expertise (e.g. on the INSPIRE geoportal, the MD IRs, MD on interoperability) as required.

**#27 - 28 Oct 2014 10:15 am - Michael Östling**

Name: Tomas Reznik

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

Affiliation: Masaryk University

Expertise: the main developer of more than 30 metadata profiles based on ISO 19115/19119 within research as well as commercial projects, metadata expert at EUROGI, experience from the development of metadata for interoperability (including theme-specific metadata elements) from my work experience at the JRC between 2011 and 2012

Contributions: inputs regarding the issues on Metadata for Interoperability, integration of the theme specific MD, revision applicability of 19157 for (Theme specific) metadata, relation to ISO19115-1:2014, metadata for monitoring, unique Resource Identifier; verification of the proposed XML structure.

**#28 - 30 Oct 2014 08:36 am - Michael Östling**

Name: Lars Inge Arnevik

Email: [arnlar@kartverket.no](mailto:arnlar@kartverket.no)

Affiliation: Norwegian Mapping Authority

Fields of experience: Expert in Metadata, Responsible for metadata in the Norwegian geoportal, 10-15 years of experience., participating in Nordic



metadata activities. Developing Norwegian metadata guidelines, working on geonetworks portal software, specifying metadata editor tool

**#29 - 30 Oct 2014 11:25 am - Paul Hasenohr**

The EEA would like to propose Paul Hasenohr and Christian Ansorge.

Name: Paul Hasenohr / Christian Ansorge

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

Affiliation: European Environment Agency

Expertise: Paul Hasenohr is responsible for the EEA metadata catalogue; in charge of INSPIRE Monitoring at EEA; coordinator of the work of MIWP-16 (INSPIRE monitoring)

Contributions: metadata contact point at EEA; liaison with MIWP-16; liaison with the EC/EEA INSPIRE Team.

Christian will act as back-up for Paul.

**#30 - 30 Oct 2014 11:45 am - Michael Lutz**

Norwegian Mapping Authority (LMO) would like to participate in the working group on metadata. We would like to participate with:

Name: Lars Inge Arnevik

Email: [arnlar@kartverket.no](mailto:arnlar@kartverket.no)

Employer: Norwegian Mapping Authority

Fields of experience: Expert in Metadata, Responsible for metadata in the Norwegian geoportal, 10-15 years of experience., participating in Nordic metadata activities. Developing Norwegian metadata guidelines, working on geonetworks portal software, specifying metadata editor tool

**#31 - 17 Nov 2014 02:34 pm - Michael Lutz**

*- Subject changed from Call for participation: MIG temporary sub-group on Update of the Technical Guidelines for Metadata to MIWP-8: MIG temporary sub-group on Update of the Technical Guidelines for Metadata*

**#32 - 30 Mar 2015 09:46 am - Michael Lutz**

*- Description updated*

The JRC would like to propose the following members for the sub-group (replacing Andrea Perego).

Name: Robert Tomas

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

Affiliation: Joint Research Centre

Expertise: metadata for interoperability; ATS

Contributions: JRC contact point for metadata; INSPIRE metadata for interoperability

Apart from providing his expertise for the work in MIWP-8, Robert will act as contact point to the JRC INSPIRE team and will involve further JRC colleagues to bring in additional expertise (e.g. on the INSPIRE geoportal, the MD IRs) as required.

Name: Daniele Francioli

E-mail: [daniele.francioli@ext.jrc.ec.europa.eu](mailto:daniele.francioli@ext.jrc.ec.europa.eu)

Affiliation: Joint Research Centre

Expertise: metadata for SDS

Contributions: metadata for SDS

#33 - 26 Jan 2017 02:21 pm - Michael Lutz

- Status changed from *Proposed* to *Closed*

The work of this sub-group has been completed.

## Files

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Inspire MIG ToR Update TG Metadata final.pdf	481 KB	09 Oct 2014	Michael Lutz
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