

# **INSPIRE Entwicklungen im Jahr 2019**

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Wien, 4. Dezember 2019



## Agenda

- Entwicklungen MIG und MIG-T
- MIG Mitarbeit AT und Einflüsse
- Highlights



## MIG-P Sitzungen

- Die MIG-P hat eine Sitzung im Juni 2019 durchgeführt.
- Die Sitzung bestand hauptsächlich aus Informationspunkten.  
<https://webgate.ec.europa.eu/pfifis/wikis/display/InspireMIG/10th+MIG+meeting+2019-06-20>
- Die Reduktion der Tätigkeiten wurden 2018 wegen EC-neu angekündigt.

## MIG meetings

Alles erweitern Alles ausblenden

- ▼ INSPIRE Maintenance and Implementation Group (MIG)
  - › Central INSPIRE registers and register federation
  - › Discussions
  - › Geportal Helpdesk
  - Meeting notes
  - › **MIG meetings**
  - › MIG permanent technical sub-group (MIG-T)
  - › MIWP 2016-2020

### Upcoming MIG meetings

- 10th MIG meeting, 20 June 2019, Brussels

### Past MIG meetings

- 9th MIG meeting, 26-27 November 2018, Brussels
- 8th meeting of the MIG, 21-22 June 2018, Brussels
- 7th meeting of the MIG, 7-8 December 2017, Brussels
- 6th meeting of the MIG, 13-14 June 2017, Brussels
- 5th MIG-P meeting, 30 November - 1 December 2016, Brussels
- 4th MIG-P meeting, 28-29 June 2016, Brussels
- 3rd MIG-P meeting, 4 December 2015, Rome
- MIG & NCP workshop on INSPIRE and e-Reporting, 27-28 January 2015, Ispra
- 2nd MIG-P meeting, 26-27 January 2015, Ispra
- 1st MIG-P meeting, 15 September 2014, Brussels



## MIG-T Meetings

- Die MIG-T hat 2019 neun Sitzungen durchgeführt.
- Zwei davon waren Face-2-Face.
- Die Sitzungen werden im Jahr 2020 auf 4 (2x virtuell, 2x physisch) reduziert.

### Recent meetings

- 60th MIG-T meeting Prague 2019-10-15+16
- 59th MIG-T meeting 2019-09-05
- 58th MIG-T meeting 2019-06-27
- 57th MIG-T meeting 2019-05-23
- 2017.4 meeting #10 2019-05-22
- 56th MIG-T meeting Ispra 2019-04-03+04
- 55th MIG-T meeting 2019-02-28
- 2017.2 meeting #7 2019-02-01
- 54th MIG-T meeting 2019-01-31



# MIG-T Arbeitsprogramm



European Commission

## INSPIRE Maintenance and Implementation Group (MIG)

[Alles erweitern](#) [Alles ausblenden](#)

› [INSPIRE Maintenance and Implementation Group \(MIG\)](#)

### Overview

This is the collaboration space for the INSPIRE Maintenance and Implementation Group (MIG) and the actions under the Maintenance and Implementation Work Programme (MIWP 2016-2020).

The following actions are currently active:

- [Action 2016.5: Priority list of datasets for e-Reporting](#)
- [Action 2017.2 on alternative encodings for INSPIRE data](#)
- [Action 2017.3 on improved client support for INSPIRE data](#)
- [Action 2017.4 on validation and conformity testing](#)
- [Action 2018.1: Streamlining the monitoring and reporting for 2019](#)
- [Action 2019.2: Improving accessibility of data sets through network services](#)

Meeting minutes of the MIG and MIG-T meetings are available here:

- [MIG meetings](#)
- [MIG-T meetings](#)

<https://webgate.ec.europa.eu/fpfis/wikis/pages/viewpage.action?pageId=268249090>



## MIG-T Arbeitsprogramm

- Die beschränkten News Einträge des JRC weisen auf Ressourcen-Engpässe hin
- Andere bediente Kommunikationskanäle sind
  - Protokolle der Meetings
  - INSPIRE Community Forum (<https://inspire.ec.europa.eu/forum/>)

## Activity

### News

#### Latest news

#### News-Einträge

» INSPIRE Good Practice webinar on GeoDCAT-AP Erstellt von Michael LUTZ	INSPIRE Maintenance and Implementation Group (MIG) Jun 06, 2018
» Testing INSPIRE registry RC6 Erstellt von Michele ROVERA	INSPIRE Maintenance and Implementation Group (MIG) Mai 16, 2018
» INSPIRE registry service release 6.1 Erstellt von Michele ROVERA	INSPIRE Maintenance and Implementation Group (MIG) Mai 16, 2018



# MIG-T Arbeitsprogramm














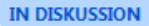



## Aufruf zur Mitarbeit

- Die letzten Calls zur Teilnahme an Arbeitsgruppen waren (bereits 2018)

### Open calls for participation in / nomination for temporary MIG sub-groups

Zeitleiste Liste

Status: Alle ▾ Urheber: Alle ▾ Datum: Alle

 Thema	Status	Autor	Antworten	Kategorie
 Control body for the central INSPIRE registers and INSPIRE register federation	 NEU	 Michael LUTZ	 0	 CALLS FOR PARTICIPATION
 Submitting organisations for the central INSPIRE registers and INSPIRE register federation	 NEU	 Michael LUTZ	 0	 CALLS FOR PARTICIPATION
 MIG temporary sub-group 2017.2 on Alternative Encodings	  IN DISKUSSION	 Michael LUTZ	 10	 CALLS FOR PARTICIPATION



# MIG-T Arbeitsprogramm

## Neue Arbeitspakete

- Derzeit sind keine offene Begutachtungen für neue Arbeitspakete im System eingetragen.

## On-going consultations

Zeitleiste Liste

Status: Alle ▾ Urheber: Alle ▾ Datum: Alle

 Thema	Status	Autor	Antworten	Kategorie
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## MIG-T Tätigkeiten der temporären Arbeitsgruppen

- Action 2016.5:
  - 7th meeting, 2019-11-26 (WebEX) / 6th meeting, 2019-06-13 (WebEX) / 5th meeting, 2019-03-12 (WebEX)
- Action 2017.2 on alternative encodings for INSPIRE data
  - Webinar "INSPIRE good practices – Alternative Encodings" 2019-05-07
  - 2017.2 meeting #7 2019-03-29
- Action 2017.3 on improved client support for INSPIRE data
  - <https://github.com/INSPIRE-MIF/caniuse>
- Action 2017.4 on validation and conformity testing
  - 2017.4 meeting #10 2019-05-22 / 2017.4 meeting #9 2019-01-17
- Action 2018.1: Streamlining the monitoring and reporting
  - 2nd meeting, 2019-02-15 (virtual) / 3rd meeting, 2019-03-13 (virtual) / 4th meeting, 2019-11-14 (virtual) / 5th meeting, 2019-11-29 (virtual)
- Action 2019.2: Improving accessibility of data sets through network services
  - INSPIRE Geoportal Workshop 23.1. - 24.1. 2019 Ispra /
  - INSPIRE Geoportal Helpdesk / Forum:  
<https://inspire.ec.europa.eu/forum/>



## Mitwirkung: Experten und MIG-T Mitarbeit

- 20 Experten sind gemeldet
- Teilnahme an verschiedenen Arbeitspaketen
  - Action 2016.5: Priority list of datasets for e-Reporting (AT: Obersteiner)
  - Action 2017.2 on alternative encodings for INSPIRE data (AT: Wannemacher, GeoPackage Hackathon!)
  - Action 2017.4 on validation and conformity testing (AT: Grillmeyer)
  - Action 2018.1: Streamlining the monitoring and reporting (AT: Obersteiner)
  - Action 2019.2: Improving accessibility of data sets through network services (AT: Obersteiner)

### Austria

[Banko Gebhard](#)

[Bano Mehdi](#)

[Barbara Magagna](#)

[Bernhard Jüptner](#)

[Erik Obersteiner](#)

[Christine Brendle](#)

[Gerold Pesendorfer](#)

[Katharina Schleidt](#)

[Manfred Mittlboeck](#)

[Oliver Seeger](#)

[Peter Pichler](#)

[Reinhard Gissing](#)

[Roland Grillmayer](#)

[Sam Christian](#)

[Tinkl Wolfgang](#)

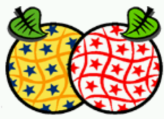
[Vincze Gabriele](#)

[Manuel Illmeyer](#)

[Karin Wannemacher](#)

[Vera Galla](#)

[Chris Schubert](#)



# Einflüsse

## Assistenzstellen AT

## Welcome to the INSPIRE Community Forum

This collaborative platform is built upon 11 discussion groups. The three sections below group together content from these groups related to: Software & Tools, Thematic Domains and INSPIRE & Environmental Policy. For more specific queries you can use the "Search by Tag" tool.

Software & Tools

Thematic Domains

INSPIRE & Environmental Policy



### Assistenzstelle für die Umsetzung von INSPIRE AT

Anmelden

Suche

[Letzte Änderungen](#) [Medien-Manager](#) [Übersicht](#)

<https://inspire.ec.europa.eu/forum/>

Zuletzt angesehen: [start](#)

#### INSPIRE Assistenzstelle

- [Daten und Metadaten](#)
  - [JRC Fehlerreports](#)
  - [Leitfaden](#)
- [Datenharmonisierung](#)
  - [Aufgabenbereiche](#)
  - [GML Grundlagen](#)
  - [Virtuelles INSPIRE Image](#)
  - [HandsOnSession](#)
  - [Helpdesk DH](#)
- [Netzdienste](#)
  - [GeoNetwork](#)
  - [GeoServer](#)
  - [AP & Bugs](#)
  - [Validierung](#)
  - [Mitglieder](#)
  - [Protokolle](#)
- [RegistryAT](#)
  - [Protokolle](#)
- [Wissenswertes](#)
  - [INSPIRE Experten](#)
  - [Trainingsmaterial, Knowledge Base](#)
  - [Links](#)
  - [Fit for Purpose](#)
  - [Priority Datasets](#)
- [Fahrplan](#)
- [Impressum](#)

Die Schaffung der Assistenzstelle für die Umsetzung von INSPIRE AT wurde bei der Besprechung der Nationalen Koordinierungsstelle INSPIRE AT vom 30.03.2016 im Zuge der Schaffung eines Aktionsplans beschlossen.

#### Zielsetzung

Unterstützung bzw. Hilfestellung für die der Koordinierungsstelle nach § 12 Abs. 5 GeoDIG (Nationale Koordinierungsstelle, NKS) angehörenden Stellen bzw. für die zur Vollziehung der österreichischen Gesetze zur Umsetzung der INSPIRE-Richtlinie zuständigen, obersten Behörden und erforderlichenfalls (wenn seitens der Vertretung in dieser Koordinierungsstelle begehrt oder aus sonstigen Gründen geboten) für öffentlichen Geodatenstellen zur Umsetzung der INSPIRE-Richtlinie.

Schwerpunkte: Unterstützung bei der technischen Umsetzung der INSPIRE Anforderungen.  
Thematische Schwerpunkte: Identifikation und Evaluierung von Geodatenätzen und -diensten, Monitoring, Metadatenerfassung, Konformität der Metadaten und Netzdienste, Praktische, technische Unterstützung der Harmonisierung.

Beratende Tätigkeit, Helpdeskfunktion für österreichische Geodatenstellen. Eventuell Einrichtung von AGs.  
Für die NKS Mitglieder besteht keine Verpflichtung, die Leistung der Assistenzstelle in Anspruch zu nehmen.

#### Organisatorisches

Die Assistenzstelle wurde durch die NKS eingerichtet. Sie soll im Rahmen der bestehenden INSPIRE Koordinierungsstruktur tätig sein. Um dies sicherzustellen erfolgt die Kommunikation grundsätzlich über den NCP (das BMNT) und das jeweils zuständige Mitglied der NKS. Erforderliche Anfragen bei der EK erfolgen über den NCP. Sicherstellung der lfd. Information an die NKS.

#### Inhaltsverzeichnis

- ◊ [Zielsetzung](#)
- ◊ [Organisatorisches](#)
- ◊ [Thematische Schwerpunkte](#)

start



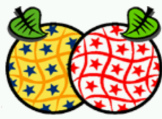
<https://assistenzstelle.inspire.gv.at/>



- [Main page](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

#### Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)
- [Page information](#)
- [Browse properties](#)



Page [Discussion](#)

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[View source](#)

[View history](#)

## INSPIRE tools inventory

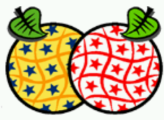
According to the INSPIRE Directive, View and Download services should be set up for the data which is within scope and metadata should be provided. Furthermore, data needs to comply with the INSPIRE data schemes and monitoring, testing and validation of the data, metadata and services should be executed.

This page aims at building an inventory of the tools aiding the INSPIRE implementation. The OSGeo-Live environment includes Open Source software that is needed to implement these different INSPIRE components. Furthermore, several software tools have been developed within EU-funded projects and are suitable for reuse, but are often unknown to the broader community.

If you are aware of free software implementing INSPIRE specifications, please contribute to this inventory.

### Contents [\[hide\]](#)

- 1 Software
  - 1.1 Metadata management
    - 1.1.1 OSGeoLive tools
    - 1.1.2 Other
  - 1.2 Data storage/management
  - 1.3 Data modeling
  - 1.4 Data mapping/transformation
    - 1.4.1 OSGeoLive tools
    - 1.4.2 Other
  - 1.5 Network services
    - 1.5.1 Discovery
    - 1.5.2 View
    - 1.5.3 Download
  - 1.6 Validation services
  - 1.7 Clients
  - 1.8 Registry
  - 1.9 GeoPortals
  - 1.10 Other
- 2 Actions to improve the existing tools



# Einflüsse



## Ninth Session of the United Nations Committee of Experts on Global Geospatial Information Management

United Nations Headquarters, New York, 7 - 9 August 2019



ECOSOC established the Committee of Experts as the apex intergovernmental mechanism for making joint decisions and setting directions with regard to the production, availability and use of geospatial information within national, regional and global policy frameworks. Led by United Nations Member States, UN-GGIM aims to address global challenges regarding the use of geospatial information, including in the development agendas, and to serve as a body for global policymaking in the field of geospatial information management

<http://ggim.un.org/>

[Read more...](#)

### Annual sessions

- [Ninth session](#)
- [Eighth session](#)
- [Seventh session](#)
- [Past sessions](#)

### Overview

- [Mandates](#)
- [Aims and Objectives](#)
- [Bureau](#)
- [Regional Committees](#)
- [Expert and Working Groups](#)
- [Thematic Groups](#)

### Quick links

- [UN-GGIM Events](#)
- [Past Events](#)
- [Group of Experts on Geographical Names](#)
- [Photo gallery](#)
- [UN-GGIM Quarterly Volume 2](#)





## Einflüsse IGIF der UN-GGIM

### VISION

The efficient use of geospatial information by all countries to effectively measure, monitor and achieve sustainable social, economic and environmental development – leaving no one behind

### MISSION

To promote and support innovation and provide the leadership, coordination and standards necessary to deliver integrated geospatial information that can be leveraged to find sustainable solutions for social, economic and environmental development.

### STRATEGIC DRIVERS

National Development Agenda • National Strategic Priorities • National Transformation Programme • Community Expectations • Multilateral trade agreements • Transforming our World: 2030 Agenda for Sustainable Development • New Urban Agenda • Sendai Framework for Disaster Risk Reduction 2015–2030 • Addis Ababa Action Agenda • Small Island Developing States Accelerated Modalities of Action (SAMOA Pathway) • United Nations Framework Convention on Climate Change (Paris Agreement) • United Nations Ocean Conference: Call for Action

### UNDERPINNING PRINCIPLES

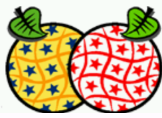
Strategic Enablement	Transparent and Accountable	Reliable, Accessible and Easily Used	Collaboration and Cooperation	Integrative Solution	Sustainable and Valued	Leadership and Commitment
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### GOALS

Effective Geospatial Information Management	Increased Capacity, Capability and Knowledge Transfer	Integrated Geospatial Information Systems and Services	Economic Return on Investment
Sustainable Education and Training Programs	International Cooperation and Partnerships Leveraged	Enhanced National Engagement and Communication	Enriched Societal Value and Benefits



# Highlights?!



# Highlights



## INSPIRE GEOPORTAL

Enhancing access to European spatial data

[European Commission](#) > [INSPIRE](#) > [Geoportal](#) > [INSPIRE Thematic Viewer](#)

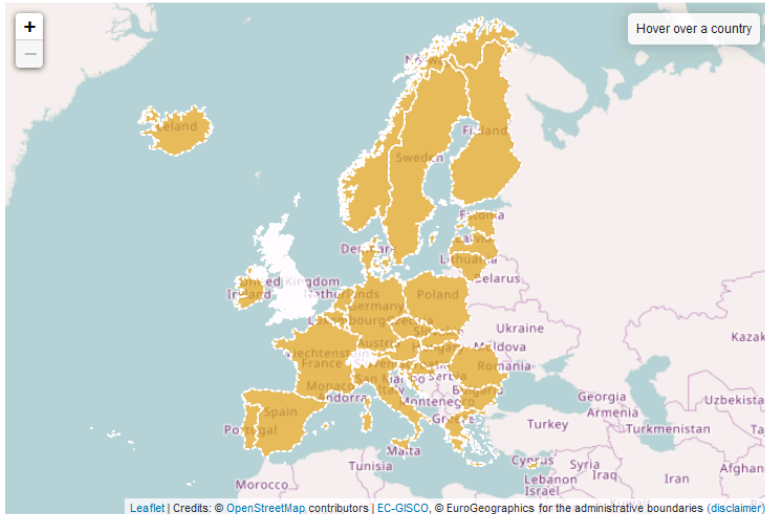
[Home](#) | [Priority Data Sets Viewer](#) | [INSPIRE Thematic Viewer](#) | [Harvesting status](#) | [Find out more about](#)

### INSPIRE Thematic Viewer

Explores INSPIRE data sets provided by EU Member States and EFTA countries. You can filter by [spatial data theme](#) (from Annex I, II and III) and country.

...simplified access to view or download selected data sets.

### Priority Data Sets - EU & EFTA Country overview



Show:  Downloadable  Viewable

#### INSPIRE Geoportal Data Set Statistics



#### INSPIRE Data Sets:

#### INSPIRE Data Themes



Availability of INSPIRE data sets grouped by INSPIRE data themes

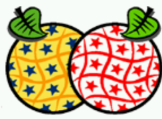
Version: 1.2.0

#### Select a COUNTRY

Austria	89   77   85	Finland	15   14   13	Latvia	29   3   9	Portugal	135   14   27
Belgium	135   66   70	France	93   1   1	Liechtenstein	0   0   0	Romania	21   10   10
Bulgaria	120   3   82	Germany	103   24   30	Lithuania	74   63   3	Slovakia	53   12   15
Croatia	14   1   3	Greece	54   0   54	Luxembourg	61   59   56	Slovenia	9   6   0
Cyprus	5   0   0	Hungary	20   2   2	Malta	54   54   54	Spain	84   83   84
Czech Republic	41   6   38	Iceland	2   2   0	Netherlands	45   18   31	Sweden	68   10   58
Denmark	52   30   35	Ireland	16   0   0	Norway	14   1   1	Switzerland	0   0   0
Estonia	21   0   1	Italy	27   1   9	Poland	17   3   4	United Kingdom	0   0   0

<https://inspire-geoportal.ec.europa.eu/>





# Welcome to the INSPIRE Community Forum

This collaborative platform is built upon 11 discussion groups. The three sections below group together content from these groups related to: Software & Tools, Thematic Domains and INSPIRE & Environmental Policy. For more specific queries you can use the "Search by Tag" tool.

## Highlights

### Software & Tools



Facing technical issues? Doubts on which software to use?

### Thematic Domains



Questions about INSPIRE Data Specifications? Using INSPIRE Data in your domain?

### INSPIRE & Environmental Policy



Interested in the INSPIRE Working Plan 2016-2020? Looking for synergies with INSPIRE?

Search in these results ...

Cluster	User	Date	Topic	Views	Replies
		02.12.2019	EMODnet Bathymetry	54	1
		04.11.2019	Provide an ElevationGridCoverage encoding example and guidelines for identifying the Vertical CRS	1171	2
		17.06.2018	Issues related to the setup of WFS 2.0 fully conformant to INSPIRE Technical Guidelines for Download Services	489	0
		15.06.2018	Usability of INSPIRE data	414	0
		14.06.2018	Orientation of polygons counter-clockwise	213	0
		08.01.2018	Cultural Heritage Protected Sites	582	0
		02.01.2018	Webinar "Implementation of INSPIRE Coverages"	1563	1
		02.01.2018	Experience from IGN-Spain II (Elevation Coverage data: WCS Implementation)	738	0
		02.01.2018	Experience from Czech Republic II (Elevation TIN data)	491	0
		20.10.2017	How to extend INSPIRE code lists	710	0

Showing 1 to 10 of 41 entries

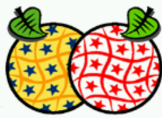
entries per page



### Search by Tag

Search and retrieve content using our curated tag list.

<https://inspire.ec.europa.eu/forum/>



# Highlights

## INSPIRE Reference Validator

The validator application is to help data providers, solution providers and national coordinators to check whether their data sets, network services and metadata meet the requirements defined in the INSPIRE Technical Guidelines. The validation tests are based on the Abstract Test Suites agreed between Member States and the Commission in the INSPIRE Maintenance and Implementation Group.



[Go to INSPIRE validator](#)



[1] <http://staging-inspire-validator.eu-west-1.elasticbeanstalk.com/etf-webapp>  
[2] <http://inspire.ec.europa.eu/validator>  
[3] <https://github.com/inspire-eu-validation/community/issues/new/choose>

## Testprojekte

Wählen Sie eine oder mehrere Test Suites mit einem Klick auf die rechten Kippschalter ("use") aus und drücken Sie den "Start" Knopf, der erscheint, wenn mindestens eine Test Suite ausgewählt wurde. Bitte beachten Sie, dass Test Suites nur auf bestimmte Testobjekttypen angewendet werden können und daher nicht alle Test Suites in einem Testlauf miteinander kombinierbar sind. Zusätzliche Informationen über eine Test Suite werden mit einem Klick auf den Plus Knopf angezeigt.

Filter items...	
<b>View Services - WMS and WMTS (TG version 3.11) - BETA</b>	
+ Conformance Class: View Service - WMS	<input type="checkbox"/> use
+ Conformance Class: View Service - WMTS	<input type="checkbox"/> use
<b>Download Services - WFS and ATOM (TG version 3.1)</b>	
+ Conformance Class: Download Service - Direct WFS	<input type="checkbox"/> use
+ Conformance Class: Download Service - Pre-defined Atom	<input type="checkbox"/> use
+ Conformance Class: Download Service - Pre-defined WFS	<input type="checkbox"/> use
<b>Download Services - SOS (TG version 1.0) - BETA</b>	
+ Conformance Class: Download Service - Pre-defined SOS	<input type="checkbox"/> use
<b>Download Services - WCS (TG version 1.0) - BETA</b>	
+ Conformance Class: Download Service - WCS Core	<input type="checkbox"/> use

# Danke für Ihre Aufmerksamkeit!



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