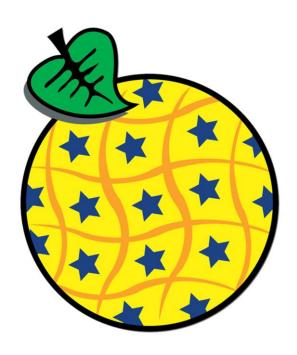
INSPIRE Conference 2017



INSPIRE a digital Europe: Thinking out of the box



OVERVIEW - PROGRAMME



Status: 14/07/2017

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1. HOME PAGE





INSPIRE a digital Europe: Thinking out of the box



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1.1. <u>SETTING THE SCENE</u>

Driven by the growing needs of society for more and better information and decision-making on what happens "where", "when" and "why" the EU Member States, EEA/EFTA and neighboring Candidate Accession Countries have been working over the past decade together with the European Commission and agencies to build up a pan-European infrastructure to manage and share more efficiently geospatial data.

This effort has largely been leveraged through the implementation of the "Infrastructure for Spatial Information in the European Community, INSPIRE Directive" which celebrates this year the 10th anniversary of its entry into force. Considerable progress has been made in lowering many of the initial policy and technical obstacles standing in the way to efficiently share within – and across borders the wide range of geospatial data covered by the INSPIRE Directive. The availability of this data collected and managed by a large number of public services with responsibilities in many different thematic domains opens the door for more widely reaping the economic and societal benefits of this digital resource of public sector information.

This progress has also been made possible by the strong support of the geospatial technology industry, geospatial standards organization bodies, a vibrant Open Source community and many application developers pushing innovation in start-ups and Small and Medium Enterprises. They shared their experiences with those developing the regulatory frameworks and dedicate their resources to developing the tools, interoperability solutions and applications to make it all work. Thanks to these joined efforts, more and more geospatial data resources are becoming accessible through on-line services and users in governmental services, research institutions, businesses and citizens alike are now more empowered to develop - or benefit from applications fitting to their needs.

<u>Past INSPIRE conferences</u> have been testimonials to many of the issues and subjects addressed above. They have played an important role not only in bringing together and building a community of stakeholders from the public and private sector who from the onset have shared a common vision.

They have also been the place to reach out, and share more widely the knowledge and potential among those concerned about managing our Earth more sustainably and inclusively through making the best of what digital technologies and policy frameworks have to offer for reaching their environmental, social and economic objectives.

1.2. THIS CONFERENCE

The conference will contribute to the implementation of the INSPIRE Directive by 2020 and serves to demonstrate the potential of the European Spatial Data Infrastructure resulting from INSPIRE for the environment and the EU Digital society. At the conference public and private sector stakeholders will meet and discuss the progress reached so far, discover new opportunities, and further examine possibilities for accelerating the implementation of the INSPIRE Directive.

The conference will focus in particular on providing incentives for strengthened cross-border and cross-sector cooperation among all those stakeholders active at national, regional and local levels.

The conference will further demonstrate and promote the use of the European Spatial Data Infrastructure beyond the environment. To this end, it will cover wider application areas such as e-Government and other application areas of geospatial information and technologies related to EU political priorities such as the Digital Single Market, the Better Regulation agenda, the Circular economy, the European Space Strategy, the international agreements on Climate Change, COP 21 'Paris Agreement' and the Sustainable Development Goals.

The following specific goals will be pursued:

- 1. Strengthen the collaboration across all levels of government and borders in view of building a European Spatial Data Infrastructure as a multi-purpose digital infrastructure based on legal and technical interoperability arrangements.
- 2. Foster the dialogue between the user communities of the Spatial Data Infrastructure and those that manage its resources.
- 3. Contribute to capacity building through training, exchange of best practices and dialogue with the geospatial technology providers, standardization bodies and application implementers
- 4. Demonstrate the potential of the EU Spatial Data Infrastructure leveraged through the implementation of the INSPIRE Directive for the EU environmental legislation, the EU Digital society and other key EU policies and initiatives.

1.3. CONFERENCE ORGANIZING COMMITTEE

The Organizing Committee coordinates, supervises and implements all logistical and programmatic aspects of the conference. Organising.

The Organizing Committee is composed of representatives of the French Ministry of Environment, Energy and Marine Affairs, the German Federal Ministry of Interior and the European Commission, EC Directorate-General for the Environment, DG ENV.

The Organizing Committee is supported for specific tasks by representatives from the following institutions and agencies:

- European Environment Agency, EEA
- Joint Research Centre, JRC of the European Commission
- <u>German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear</u> Safety
- Steering Committee of GDI-DE (Spatial Data Infrastructure Germany)
- Government of Federal State of Baden-Württemberg, Germany
- Regional Council of Grand-Est, France
- Eurometropole of Strasbourg, France

The French Ministry of Environment, Energy and Marine Affairs and its executive agencies cover all the environmental aspects, including climate change, risk awareness, transportation, sustainable development, buildings and most of the geographical ones through the French "Institut national de l'information géographique et forestière". The Ministry is in charge of the implementation of the INSPIRE Directive through the national Contact Point and the national coordination structure, the National Council for Geographic Information (CNIG), both managed by the Department of the Commissioner-General for Sustainable Development. In 2016, the Commissioner-General for Sustainable Development became the Ministry Chief Data Officer.

The German Federal Ministry of the Interior and its executive agencies cover a broad range of tasks and activities, extending from civil protection, integration and sport funding to security. Its broad range of tasks is reflected in its highly differentiated structure. It oversees a variety of agencies. Regarding the implementation of the INSPIRE Directive, the Ministry is responsible for monitoring all respective activities of the Federal Administration. Furthermore, the German Federal Ministry of the Interior is in charge of coordinating activities of the Federal Government in the field of geodesy and geoinformation by chairing an Inter-Ministerial Committee for Geoinformation (IMAGI). It also represents the Federal Administration inside the Steering Committee of the so-called Geodateninfrastruktur Deutschland (GDI-DE) which is the national Contact Point of INSPIRE.

<u>The EC DG ENV</u> is the formal partner to the French and German Ministries. The Commission's contribution to the conference is assured through the <u>INSPIRE Coordination Team (CT)</u> which consists of staff of the European Commission from DG Environment, the Joint Research Centre (JRC) and staff of the European Environmental Agency (EEA). Its role is to coordinate the implementation and further evolution of INSPIRE and to coordinate with other EU policies. With respect to the

conference, the CT engages with its own and other EC services and EU agencies. The CT promotes their participation and seeks their support to raise awareness on the conference of other internal and external policy stakeholders with an interest in spatial information and infrastructures. In addition, the INSPIRE CT informs, consults and coordinates contributions from the INSPIRE Maintenance and Implementation Group (MIG), consisting of representatives of the INSPIRE national contact points. The MIG coordinates the joint activities between the European Commission (DG Environment and the JRC), the EEA and the EU Member States to support the maintenance and implementation of the INSPIRE Directive, including the important task of stakeholder consultation and communication through i.a the annual INSPIRE conferences.

Organizing Committee - Contacts:

Mr. Hugo De Groof	Ms. Ani Handziska	Mr. Marc Leobet
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2. CALL FOR SUBMISSIONS

The INSPIRE conferences generally offer a mix of workshops and presentations covering policies, reports on implementation progress, applications in various domains and technical implementation issues and achievements. INSPIRE conferences are also known for their open dialogue on 'what works', 'what does not work' and 'what can be done about it '.

Taking into account the environmental dimension of INSPIRE, the conference theme, the Digital society focus and the 2016-2020 MIWP INSPIRE Maintenance and Implementation work program priorities (regulatory monitoring and reporting, closing the implementation gap and priority settings, fitness-for-purpose and simplification of requirements/simplifying implementation and use) the call will be structured around four headline topics for which contributions in the form of workshops, oral presentations or posters are welcome.

- 1. Using INSPIRE for environment and the digital society
- 2. Capacity building Technologies and Training
- 3. The INSPIRE Maintenance and Implementation Work Programme 2017-2020
- 4. INSPIRE Thinking out of the box INSPIRE innovation

2.1 SCOPE AND TOPICS OF FOR SUBMISSION



Using INSPIRE for environment and the digital society



Capacity building - Technologies and Training



The INSPIRE Maintenance and Implementation Work Programme 2017-2020



INSPIRE Thinking out of the box – INSPIRE innovation

1. Using INSPIRE for environment and the digital society

Under this topic we are looking for contributions in the form of workshops, oral presentations or posters where <u>spatial data</u>¹ (including geospatial statistics) and services (and/or other) in the scope of INSPIRE are used, or could be used in applications in one or in a combination of the following thematic domains (for example in the context of 'Smart Cities' applications often address issues such as mobility, energy, spatial planning, utility management – involving citizens):

- 1. Sustainable management of natural resources and natural capital¹
- 2. Environmental monitoring and assessments
- 3. Use and potential of INSPIRE for the development of indicators²
- 4. Compliance assurance and environmental crime

INSPIRE Conference 2017

- 5. Public participation and active dissemination of information citizen science
- 6. Environmental, economic, social impact assessments (including public health)
- 7. Waste management and other aspects of a Circular economy (e.g. Sharing Economy)
- 8. Spatial planning (land maritime)
- 9. Energy (renewable non-renewable)
- 10. Transport Mobility
- 11. Agriculture forestry aquaculture
- 12. Mitigation and management of natural and man-made hazards and disasters
- 13. Utility and asset management in both public and private sector
- 14. e-Commerce
- 15. Other e-Government applications

Proposers are encouraged to reflect and comment on the following questions:

- For which EU legislation or initiative is your application relevant?
- What problem is being addressed?
- How is the problem addressed with or without INSPIRE) and what are the benefits of using INSPIRE (e.g. in terms of effectiveness or efficiency gains, additional opportunities)?
- How was the INSPIRE infrastructure used (directly, through a value-added application, ETL, data model extensions)?
- Has the use of INSPIRE caused any change in business processes?
- Is something missing or not working in INSPIRE that would have made the use easier? (For
 example; ineffective data policies, lack of data, EU and national level guidance
 documents, technological obstacles, quality of tools facilitating implementations, coherence
 with other EU and national policies, standard development, capacity building, skills, funding)

2. Capacity building - Technologies and Training

Under this topic we are looking for contributions, workshops, oral presentations or posters, to building up the skills necessary to better understand, implement, adapt or extent INSPIRE as well as ideas and considerations with regard to opportunities and impacts of evolving and emerging IT technologies on the INSPIRE framework and its implementation.

- 1. INSPIRE for Beginners presentations aimed at informing the participants which are 'new' to INSPIRE about the INSPIRE background and principles, the policy framework governance/legislation/guidelines, the relevance, EU-added value and coherence of INSPIRE for environmental and other policies, benefits of INSPIRE for policy making/implementation and organizations (cost-savings, improved collaboration, etc.) at different levels of government and across borders
- 2. INSPIRE in education concepts and examples for INSPIRE in the curriculums of schools, vocational colleges and universities
- 3. Technologies and tools to support implementing, using and assessing the technical implementation of INSPIRE
- 4. Technical standards: Challenges and approaches to the standardization of spatial data and services
- 5. Technical solutions for optimizing and/or extending the INSPIRE technical framework
- 6. INSPIRE in the Cloud and On-line platforms for exposing, accessing and using spatial data and services, including the relevancy of INSPIRE for Big Data analytics.
- 7. Innovation and technical developments in geospatial technologies in particular, Geographical Information Systems, and how those relate and/or impact INSPIRE
- 8. Innovation and technologies for spatial data collection, processing and integration in spatial data infrastructures (for example; Galileo/EGNOSS, Copernicus data and services, sensor web, Internet of Things, Big Data analytics)

3. The INSPIRE Maintenance and Implementation Work Programme 2017-2020

The <u>INSPIRE Maintenance and Implementation Work Programme 2017-2020 (link is external)</u>, MWIP presents a rolling plan of actions agreed informally between the Commission/European Environment Agency and the Member State competent authorities responsible for the INSPIRE implementation.

The MIWP has the following long-term objectives:

- to support the implementation of the INSPIRE Directive so that existing implementation gaps are closed and upcoming implementation challenges are addressed in the most effective, efficient and pragmatic manner;
- to strengthen the end-user perspective by promoting or developing end-user tools which allow harvesting the benefits from INSPIRE for environmental policy makers and implementers across the EU at all levels of governance;
- to improve access to information and thereby promote business opportunities, transparency and accountability which is essential for public administrations, businesses, science and civil society alike.



Under this topic we are looking for contributions – workshops, oral presentation, posters – from the EU level INSPIRE coordinators and stakeholders in the Commission, including the EEA and from the main stakeholders coordinated by the Member State competent authorities responsible for the INSPIRE implementation, environment and other policy areas related to the main working areas and key activities of the MIWP listed below: (Annex I - details of links on Call for submission on INSPIRE MIWP 2017-2020)

- 1. Fostering "Fitness for purpose"
- 2. End user applications on the use of INSPIRE with a focus on regulatory monitoring and reporting
- 3. Alignment with national, EU and international policies/initiatives
- 4. Continued support to implementation

4. INSPIRE Thinking out of the box – INSPIRE innovation

The way spatial data needs to be readily available and shared among those managing and needing the data for dealing with today's complex societal issues, challenges many of the current practices and 'business models' of both users and producers of spatial data. Innovation is not limited to technologies and there is a growing understanding that we need to think more out of the box, both at the political level and within the many organizations involved. Administrative and legal boundaries continue to have 'box-in' effects. There is still a lack of coordination and cooperation which generally lowers the effectiveness and efficiency of the many spatial data infrastructures on which INSPIRE is meant to be built. Policies and initiatives around e-Government, environment, and climate change etc. require a coherent spatial data infrastructure. In a time where resources are scarce, the current business models are challenged. Enlarging partnerships, pooling and aligning resources and developing a vision on a value proposition aimed at serving more than the traditional clients 'in the box' are some of the ideas to further explore.

In addition, the rapidly evolving Information and Communication Technology, ICT (cloud infrastructures, online platforms, Internet-of-Things (IoT), machine learning, etc.), Citizens science/crowd sourcing initiatives and 'Big data' revolution offers unprecedented opportunities as well as challenges for the existing business models. The INSPIRE Directive underpins a business model put in place to break down barriers, connect 'silos' and to 'fill gaps' and 'build bridges' - 10 years after its entry into force and despite the progress made in many areas, we realize that more than ever we need to think out of the box.

As such, under this conference topic we are calling for contributions covering innovation and new ideas on a wide array of potential topics ranging for example from new disruptive business models to new applications and technologies like those related to integrated data collection across sensors and crowd reported data, remote sensing innovation through Cubesats, Drones/UAVs, Imagery, Point Clouds for laser scanning to ideas for bridging the gap between the document (open) data and



geospatial (open)data communities and innovation for visualization (e.g Seamless 2D/3D visualization) – just to name a few.

[1] Natural Capital can be defined as the world's stocks of natural assets which include geology, soil, air, water and all living things. It is from this Natural Capital that humans derive a wide range of services, often called ecosystem services, which make human life possible.

[2] (e.g. <u>Circular Economy</u> (link is external), <u>Resource Efficiency</u> (link is external), <u>evaluation of the 7th Environmental Action Programme</u> (link is external) and <u>Environment Implementation Reviews</u>, <u>Sustainable Development Goal indicators</u> (link is external), <u>Europe 2020 indicators</u> (link is external), UN-ISDR <u>Sendai Framework for Disaster Risk Reduction</u> (link is external) Indicators, ...)

2.2 **GUIDELINES FOR SUBMISSION**

General guidelines for Submissions

- It is recommended that the presenting author's contact details are used when submitting the abstract to avoid miscommunication regarding the abstract submission and review process.
- All abstracts must be submitted in English
- Abstracts are limited to 400 words
- Do not include the abstract title or author information in the body of the abstract. This information will be added from the information submitted in previous steps.
- Your abstract will appear on the conference website as submitted. Please ensure you check your data carefully before submitting.
- If you have entered a valid email address you will receive a confirmation email confirming receipt of your submission with the access details for your submission.
- Your abstract will appear in print as submitted. Please ensure you check your data carefully before submitting as changes or additions will not be accepted after the Call for submissions closes.

Specific guidelines for oral presentations

The thematic sessions will be organized on the basis of a selection of abstracts received from the open call for oral presentations. The oral presentations will take place on the 6th, 7th and 8th of September 2017 in the Strasbourg Convention and Exhibition Centre.

There will be two types of story boards for the sessions:

Type 1 - Regular: There will be maximum 5 presentations per session with a maximum duration of 15'. The Conference Organizing Committee will group and allocate to the themes covered in the scope of the call for presentations.

Type 2 - Speed: There will be a maximum of 6 presentations of 5'. This will be followed by approximately 30' of 6 breakouts in the room where people from the audience can further discuss with the presenters. In the final 30' of the session the 6 presenters will present in 5' the outcome of their breakout discussions to the audience.

Special Edition of the "International Journal of Spatial Data Infrastructures Research", IJSDIR



If you wish to submit a short /full paper for the special edition of the IJSDIR in addition to the 400 word abstract please also submit your short (3000 word) paper following the IJSDIR (link is external)guidelines.

Specific guidelines for Workshops

The workshops will take place on the 4th and 5th of September 2017 in the University of Applied Sciences in Kehl (DE). There will be a maximum of 5 parallel workshops.

The minimum duration of a workshop is 3 hours. The maximum duration of a workshop is 6 hours.

To propose a workshop, in addition to providing an abstract outlining the purpose of the workshop, please complete <u>a workshop description file</u> with the following information.

- 1. Title of workshop
- 2. Workshop length in 90' timeslots (2 to maximum 4 timeslots of 90').
- 3. Workshop type (Brainstorming/tutorial/hackathon/demonstration)
- 4. Expected number of participants (less than: 33, 80 or 260)
- 5. Contact Information for proposed workshop (name, title, address, country, phone, fax, email)
- 6. Purpose of the workshop including specific learning objectives.
- 7. Target workshop audience.
- 8. Instructions for participants materials required (laptops, pre-workshop preparation)
- 9. Detailed description of your event (including workshop agenda and description of how the workshop organizer will promote participation to his workshop).

Additional important information for workshop organizers

We encourage workshop organizers to have a high degree of interaction between the participants (rather than a sequence of presentations!).

The following rooms are available: 3 classroom style rooms for maximum 32, 1 room for maximum 80 and 1 auditorium for maximum 260 participants. The 3 classrooms are equipped with SMART boards with integrated projector. The other two rooms have ceiling projectors. WIFI is available in all rooms.

Workshop organizers will be asked to prepare a workshop report directly after the workshop. The report should outline the outcomes of the workshop and in particular any issues identified relevant to assessing the impact of INSPIRE to date. A template will be provided.

2.3 SUBMIT ABSTRACT

Terms and Conditions

In submitting an abstract all presenters agree to the following terms and conditions:

- I confirm that each author/presenter listed agree with the content of this abstract and has given permission to be listed as an author/presenter. Please read the <u>privacy statement (link is external)</u> before submitting your abstract.
- I have checked the accuracy of the information and referencing within this abstract.
- I understand that should my abstract be accepted for presentation, I am required to complete a conference registration.
- I hereby provide permission for the Organizers and Committee of the conference to publish my abstract and author details on the conference website and conference material.
- I understand that my abstract will be published, if accepted, as submitted and that no editing to grammar or spelling will be undertaken by the Organizing Committee.

Submit Your Abstract (link is external)



3. IMPORTANT DATES

Submissions and programme

- **7 February 2017** Call for proposals opens
- 28 April 2017 Call for proposals closes
- **29-31 May 2017** Acceptance notification
- 15 June 2017 Draft programme on-line
- 1 July 2017 Programme on-line

Registration

- 1 March 2017 Early bird registration opens
- 1 August 2017 Late registration opens
- 1 September 2017 Later registration closes
- 4-8 September On-site registration

The event

- 4-5 September 2017 INSPIRE Conference workshops, Kehl
- 6-8 September 2017 INSPIRE Conference, Strasbourg

4. WHY ATTEND

What can you expect from the INSPIRE 2017 Conference?

2 days of workshops, 3 days of conference with 3 plenaries and 48+ parallel sessions and exhibition and 1000+ participants

'You should attend'

The INSPIRE Directive is being implemented to support EU environmental policies and policies or activities which may have an impact on the environment. In the context of the EU Digital Single Market initiatives it is also a contribution to the EU e-Government Action Plan 2016-2020.

INSPIRE facilitates the access and use of a very wide range of digital spatial data.

The applicability of this spatial data and the services which allow to find, access and use the data goes beyond environmental policies. As a consequence, INSPIRE is of use in various activities related to e-Government, transport, navigation, agriculture, regional development, energy, health, safety & security and even e-Commerce.

This broad field of application makes INSPIRE a building block of the EU digital society and through its potential for better decision-making, a contributor to the EU's priorities for inclusive and sustainable growth, jobs and innovation.

Why should you attend?

- •You want to learn about INSPIRE, about its coherence with other EU, national, regional policies and its wider policy relevance.
- •You want to share your experience, your requirements or showcase your work
- •You are interested in working together and building partnerships with others across borders, across sectors and across different levels of government
- •You want to learn about the status and outlook of the implementation of INSPIRE
- •You want to contribute to the discussions around the fitness-for-purpose of INSPIRE
- •You develop, provide or require technical solutions and services
- You provide or require technical training and capacity building
- •You have new ideas on or you are looking for inspiration about innovative business models, technology integration and applications
- •You are interested ...

You are/represent:

- •A local, a regional, a national or an EU level political decision-making or coordination body
- A public sector implementer or user of spatial data, services and applications.
- •A private sector user, a geospatial technology provider, an application developers or technical standard organization
- •An EU level or other international agency eventually involved in EU level or global initiatives and programmes
- •An academic institute, a research institute or a student
- •None of the above... but you are still interested... Programme



5. PROGRAMME WORKSHOPS 4-5/9/17

The programme contains 28 workshops – for detailed descriptions follow links.

	04/09/2017 University of Applied Sciences in Kehl (DE)									
	Room A	Room B	Room C	Room D	Room E	Room F	Room G			
09:00	Introduction to INSPIRE	Integration of O&M data in the INSPIRE SDI- Benefits, challenges and prospects	Complete INSPIRE Download Services with deegree WFS on docker	Towards a Map of Open SDI/INSPIRE	Make your message stick! A how to-workshop on how to ignite your audience	Publishing INSPIRE services with GeoServer and HALE	Towards an Inspired e- Reporting?			
10:30				Coffee						
11:00	Introduction to INSPIRE	Integration of O&M data in the INSPIRE SDI- Benefits, challenges and prospects	Complete INSPIRE Download Services with deegree WFS on docker	Towards a Map of Open SDI/INSPIRE	Make your message stick! A how to-workshop on how to ignite your audience	Publishing INSPIRE services with GeoServer and HALE	Towards an Inspired e- Reporting?			
12:30				Lunch						
14:00	Open Data Access and Harmonisation by Virtual Hub – ENERGIC OD solutions	New Directions in Digital Government Using INSPIRE	GML application compliant complex features in QGIS and beyond	INSPIRE WCS: from Mystery of Mastery	Marine SDI, INSPIRE and the EU Marine Directives Workshop	Publishing INSPIRE services with GeoServer and HALE	Priority list of datasets for eReporting			
15:30				Coffee						
16:00	Open Data Access and Harmonisation by Virtual Hub – ENERGIC OD solutions	New Directions in Digital Government Using INSPIRE	GML application compliant complex features in QGIS and beyond	INSPIRE WCS: from Mystery of Mastery	Marine SDI, INSPIRE and the EU Marine Directives Workshop	Publishing INSPIRE services with GeoServer and HALE	Priority list of datasets for eReporting			
17:45				Ice Breaker Party						

	05/09/2017 University of Applied Sciences in Kehl (DE)									
	Room A	Room B	Room C	Room D	Room E	Room F	Room G			
09:00	giCASES – Creating a University- Enterprise Alliance for a Spatially Enabled Society	Open Data, VGI and Citizen Observatories INSPIRE Hack II	INSPIRE ready SDI using docker	Has the Copernicus services' access to geospatial data been improved through the implementation of INSPIRE?	GeoICT SMEs as key-players in the INSPIRE driven innovation: the role of the smeSpire network	Building INSPIRE workflows without coding using Spatial ETL tools	Data Driven Economy in Central and Eastern Europe. Challenges and Perspectives			
10:30				Coffee						
11:00	INSPIRE Reference Validator - hands- on WS	Open Data, VGI and Citizen Observatories INSPIRE Hack II	INSPIRE ready SDI using docker	Hackathon: INSPIRE + Open Data + Copernicus Let's Connect the Dots!	GeoICT SMEs as key-players in the INSPIRE driven innovation: the role of the smeSpire network	Building INSPIRE workflows without coding using Spatial ETL tools	Data Driven Economy in Central and Eastern Europe. Challenges and Perspectives			
12:30				Lunch						
14:00	ArcGIS platform solutions for open data programs	INSPIREd Energy Workshop	New Ways to Tackle Agriculture Challenges	Hackathon: INSPIRE + Open Data + Copernicus Let's Connect the Dots!	Analyze your data trends	Practicing Practical INSPIRE	Data Driven Economy in Central and Eastern Europe. Challenges and Perspectives			
15:30				Coffee						
16:00	ArcGIS platform solutions for open data programs	INSPIREd Energy Workshop	New Ways to Tackle Agriculture Challenges	Hackathon: INSPIRE + Open Data + Copernicus Let's Connect the Dots!	INSPIRE Visual Analytics - dissecting the infrastructure	Practicing Practical INSPIRE	Data Driven Economy in Central and Eastern Europe. Challenges and Perspectives			

6. PROGRAMME CONFERENCE SESSIONS 6-8/9/17

	6 September 2017				7 September 2017			8 September 2017										
8-9:00			Registra	ation					Regist	ration			Registration					
9-10:30	1	2	3	4	5	6	19	20	21	22	23	24	31	32	33	34	35	36
	Break			Break			Break											
11-12:30	Opening Plenary				Plenary I			37	38	39	40	41	42					
			Lunc	ch			Lunch			Lunch								
14-15:30	7	8	9	10	11	12	25	26	27	28	29	30	43	44	45	46	47	48
	Break						Bre	eak					Closing	Plenary	У			
16-17:30	13	14	15	16	17	18	Plenary II Farewell drink											
20:00					Ne	etworki	ng dinn	er										

There are 240 oral presentations in 48 thematic sessions that will run in 6 parallel strands.

For detail on sessions – presentations and speakers follow links

	06/09/2017 Strasbourg Conference Centre											
09:00	e-Government applications	Technologies and tools	Sustainable management of natural resources and natural capital	MIWP 2016-2020 overview	Compliance assurance and public participation	INSPIRE for Beginners						
10:30		Coffee and exhibition										
11:00	Opening Plenary: INSPIRE working together across borders for environment and digital society Auditorium											
12:30			Lunch and exh	ibition								
13:00			INSPIRE trai	J								
14:00	e-Government applications	Thematic focus: Er										
15:30	Coffee and exhibition											
16:00	e-Government applications	Technologies and tools for INSPIRE and geoscience	Environmental monitoring and assessments	Fostering "Fitness for purpose"	Environmental, economic, social impact assessments	Implementation challenges						

	07/09/2017 Strasbourg Conference Centre										
09:00	e-Government applications	Spatial Planning	INSPIRE thinking out of the box								
10:30	Coffee and exhibition										
11:00	Thematic Plenary I: Regions at work: benefits of INSPIRE implementation for territorial management, environment and eGovernment Auditorium										
12:30	Lunch and exhibition										
13:00			INSPIRE tr	3							
14:00	Technical standards	Technologies and tools	Use and potential of INSPIRE for the development of indicators	Alignment with National, EU and international policies/initiatives	Spatial Planning	INSPIRE thinking out of the box					
15:30	Coffee and exhibition										
16:00	Thematic Plenary II: INSPIRE a Digital Europe: Thinking out of the box and looking to the future Auditorium										
20:00			Dinne	er							

	08/09/2017 Strasbourg Conference Centre										
09:00	INSPIRE and linked data	INSPIRE thinking out of the box	INSPIRE - What if?	Continued support to implementation	Mitigation and management of natural and man-made disasters	Speed Presentations					
10:30	Coffee and exhibition										
11:00	Technologies and tools for Copernicus	INSPIRE thinking out of the box	INSPIRE - What if?	Continued support to implementation	Thematic focus: Utility and asset management	INSPIRE in the cloud and on-line platforms					
12:30			Lunch	and exhibition							
14:00	Technical solutions for optimising and/or extending the INSPIRE technical framework	INSPIRE thinking out of the box	Thematic focus: Transport	Technologies and tools	Compliance assurance and public participation	INSPIRE in the cloud and on-line platforms					
15:30	Closing Plenary Auditorium										
16:00	Farewell drink										

7. PLENARIES

Opening Plenary

06/09/2017 11:00 - 12:30

INSPIRE working together across borders for environment and digital society

Thematic Plenary I

07/09/2017 11:00 - 12:30

Regions working together: benefits of INSPIRE implementation for territorial management, environment and eGovernment

The INSPIRE conferences are the best place to share experiences and good practices. Usually, plenaries are dedicated to national or European feedbacks. This plenary will focus on the regional level instead, which is also responsible for the INSPIRE implementation and therefore the source for a different but important perspective. For instance, regions are dealing with specific challenges like limited resources which require creative solutions.

Regions are likewise the level of direct interface between citizens and administration and they are a level for the implementation of e-Government projects, which require interaction across hierarchies as well.

Thematic Plenary II

07/09/2017 16:00 - 17:30

INSPIRE a Digital Europe: Thinking out of the box... and looking to the future

After a decade of INSPIRE implementation, a large number of spatial data and services are now being made available by numerous public administrations at all levels of administrations across Europe. At the same time, the data collected by the private sector – by sensors in the Internet of Things and the data economy at large – and by citizens is growing exponentially. As part of the follow-up of the midterm review of the Digital Single Market Strategy the Commission is currently exploring how public sector bodies could significantly improve their decision making if they were able to use commercially-held information, notably for the purpose of public health policy, spatial and urban planning, natural and technological risk management, managing energy supply grids or protecting the environment. At the same time, information collected by citizens is increasingly recognised (e.g. in the Fitness Check on environmental monitoring and reporting) as an important source of information to complement official monitoring and reporting information, in particular in the environmental domain. The plenary will discuss how data infrastructures like INSPIRE need to evolve to ensure the efficient sharing of information between the private and public sector and citizens.

Closing Plenary

08/09/2017 15:30 - 16:00

The closing plenary session of the conference is in the first place the moment where we take stock of the lessons learned during the conference.



Rapporteurs from the Conference Organizing Committee – Germany, France, the European Commission and also the European Environment Agency will present and discuss the findings and lesson learned from workshops, plenaries, thematic presentations and posters.

This will offer the participants a useful "take-away" package, a source of future 'INSPIREation'.

Finally, it is also the moment where once again we have to say goodbye, however not without saying until the next time. No INSPIRE conference is complete without honoring and thanking the current organizers for their hospitality and the announcement and presentation of the next year's conference hosts and venue.

8. PLENARY SPEAKERS

8.1 OPENING PLENARY

Welcome address



Mr. Robert Herrmann President Eurométropole de Strasbourg

Key note speakers



Mr Philippe Richert

President of
Regional council of
Grand Est⊕ and
Président of the
Association Regions
of France



Mr Peter Hauk
Minister of Rural
Affairs and
Consumer
Protection in
BadenWürttemberg,
Germany®



Mr Nicolas Hulot
State Minister,
Minister of
Ecological and
Solidarity
Transition, France



Mr Daniel Calleja
Director General of
DG Environment,
European
Commission®



Mr Roberto Viola (TBC) Director General of DG CONNECT®



Mr Thomas de Maizière Minister of the Interior of the Federal Republic of Germany &

Speaks for	Order of Keynote Speakers
5' + 1.5'	Mr. Robert Herrmann
movie	President Eurométropole de Strasbourg
15'	Mr Nicolas Hulot
	State Minister, Minister of Ecological and Solidarity Transition, Franc
15'	Mr Thomas de Maizière
	Minister of the Interior of the Federal Republic of Germany
10'	Mr Philippe Richert
	President of Regional council of Grand Est and Président of the Association Regions
	of France
10'	Mr Peter Hauk
	Minister of Rural Affairs and Consumer Protection in Baden-Württemberg, Germany
10'	Mr Roberto Viola
	<u>Director General of DG CONNECT</u>
10'	Mr Daniel Calleja
MODERATOR	Director General of DG Environment, European Commission

Mr Philippe Richert

<u>President of Regional council of Grand Est</u> (link is external) and Président of the Association Regions of France

Born in 1953, Philippe Richert is President of Regional council of Grand Est and Président of the Association Regions of France.

Previously, he was President of the Bas-Rhin Department (1998-2008), Senator (1992-2010)

Président of Regional council of Alsace (2010-2015) and minister in charge of Local authorities.

Vice-president and questor of the Senate, he has presided the France-Israel Parliamentary Friendship Group and the Study Group on the Architectural Heritage.

He is the author of many reports to the Prime Minister about Environment, Culture and the place of women in public life.

Mr Nicolas Hulot

State Minister, Minister of Ecological and Solidarity Transition, France (link is external)

Nicolas Hulot was born on April 30, 1955 in Lille. He was successively journalist-reporter, television presenter and producer and writer. In 1990, he created a foundation dedicated to inform the public about ecologic state of the planet and to convince people of the need to change their behavior.

In December 2012, as President of his foundation and on a voluntary basis, he was appointed Special Envoy of the President of the Republic for the protection of the planet.

Mr Daniel Calleja

Director General of DG Environment, European Commission (link is external)

Mr Calleja is Director General of DG Environment from the 1st of September 2015.

Mr Daniel Calleja was Director General of DG Internal Market, Industry, Entrepreneurship and SMEs from the 1st January 2015 until the 31th of August 2015.

Mr Daniel Calleja was Director General of DG Enterprise and Industry, Special Envoy for SMEs from 1st February 2012 to January 2015.

Daniel Calleja was Deputy Director General of DG Enterprise and Industry, from February 2011 to January 2012, in charge of internal markets for goods, competitiveness and innovation, SMEs and entrepreneurship, international negotiations and tourism. He is the



Special Envoy for SMEs.

Mr Calleja was Director for Air Transport at the European Commission from November 2004 to February 2011, in charge of the single European aviation market and its external dimension. He has successfully negotiated, on behalf of the E.U., the EU-US Open Skies Agreement. He was the Chairman of the Air Safety and the Single Sky Committees and Chairman of the Board of the SESAR Joint Undertaking.

Between 1999 and 2004, he was Head of Cabinet of the Vice-president of the European Commission, Mrs. Loyola de Palacio, responsible for Transport, Energy and relations with the European Parliament. During this period, he participated actively in the elaboration of the EU transport policy, notably in the launching of the Transport White Book, the Single European Sky, the creation of the European Air Safety Agency (EASA) and the Galileo program.

Between 1995 and 1999, Mr. Calleja was the Head of Cabinet for Commissioner Marcelino Oreja, responsible for institutional affairs, and for the Amsterdam Treaty negotiations. In 1995, he was the legal adviser in the Cabinet of the President of the European Commission, responsible for Transport, Competition, State Aids and the control of the application of Community Law.

Between 1993 and 1994, he advised the Transport Commissioner in the area of liberalisation of air transport, State aid cases concerning the restructuring of airlines, the first directive on groundhandling, the implementation of the third air package and the CRS regulation.

Between 1986 and 1993, he was Member of the Legal Service of the Commission and he represented the institution in numerous cases before the European Court of Justice.

Mr Calleja is the author of several publications. He has lectured in European Law in several universities and institutes of various Member States.

Mr Calleja has a degree in Law and in Business Administration from the University of Comillas, Madrid.

Mr Peter Hauk

Minister of Rural Affairs and Consumer Protection in Baden-Württemberg, Germany (link is external)

Peter Hauk was born on 24 December 1960 in Walldürn. Following his A-levels and military service, he studied forestry in Freiburg. In 1987 he completed this, obtaining the qualification Graduate in Forest Management, and in 1989 took the major state forestry examination. Subsequently he worked until 2002 as a forest assessor for the Freiburg Forestry Directorate and was deputy manager of the Public Forestry Office in Schöntal (Jagst) and project manager at the Forest Research Institute of Baden-Württemberg. From 2002 to 2005, Peter Hauk was head of the forestry office in Adelsheim.

Since 1992 he has been a member of the Baden-Württemberg state parliament as a directly elected MP for the constituency of Neckar-Odenwald. In 2005 he took over the post of Minister of Nutrition and Rural Affairs, a position he held for five years. In 2010, the parliamentary CDU elected him as their leader. He led the parliamentary party until 2015. On 12 May 2016 he once again became Minister in what was now renamed the Ministry of Rural Affairs and Consumer Protection.

Peter Hauk is catholic and has three children.

Mr Roberto Viola (TBC)

<u>Director General of DG CONNECT</u> (link is external)

Roberto Viola is Director General of DG CONNECT (Directorate General of Communication, Networks, Content and Technology) at the European Commission.

He was the Deputy Director-General of DG CONNECT, European Commission from 2012 to 2015.

Roberto Viola served as Chairman of the European Radio Spectrum Policy group (RSPG) from 2012 to 2013, as Deputy Chairman in 2011 and Chairman in 2010. He was a member of the BEREC Board (Body of European Telecom Regulators), and Chairman of the European Regulatory Group (ERG) in 2007.

He held the position of Secretary General in charge of managing <u>AGCOM</u>, from 2005 to 2012. Prior to this, he served as Director of Regulation Department and Technical Director in AGCOM from 1999 to 2004.

From 1985-1999 he served in various positions including as Head of Telecommunication and Broadcasting Satellite Services at the European Space Agency (ESA).

Roberto Viola holds a Doctorate in Electronic Engineering and a Masters in Business Administration (MBA).



Mr Thomas de Maizière

Minister of the Interior of the Federal Republic of Germany (link is external)

Thomas de Maizière was born in Bonn on 21 January 1954. He is married and has three children.

After acquiring his higher education entrance qualification (Abitur), he completed his compulsory military service with the 142nd armoured infantry battalion in Koblenz. He is a lieutenant of the reserve.

From 1974 to 1979 de Maizière studied law and history in Münster and Freiburg. After his first state examination in law, he took his second state examination in 1982. In 1982 he received a doctorate in law from the University of Münster.

In 1983 he worked for the governing mayors of Berlin, Richard von Weizsäcker and Eberhard Diepgen. From 1985 to 1989 he headed the policy division at the Berlin Senate Chancellery. He served as press spokesman for the CDU parliamentary group in the Berlin House of Representatives.

In 1990, he helped establish the office of minister president of the last government of the German Democratic Republic and was then a member of the delegation negotiating the Unification Treaty.

From 1990 to 1994 he was state secretary at the Ministry of Culture for the state of Mecklenburg-Western Pomerania. From 1994 to 1998 he was head of the Mecklenburg-Western Pomeranian State Chancellery. In 1999 he was minister of state and head of the State Chancellery of Saxony.

From 2001 to 2002 he served as minister of finance for the state of Saxony. From 2002 to 2004, he was state minister of justice and from 2004 to 2005 state minister of the interior in Saxony. He was a member of the Saxony state parliament from 2004 to November 2005.

He served as head of the Federal Chancellery and Federal Minister for Special Tasks until October 2009. In October 2009, de Maizière was directly elected to the German Bundestag, and from 28 October 2009 until 3 March 2011 he was Federal Minister of the Interior.

From 3 March 2011 until December 2013, he was Federal Minister of Defence.

On 17 December 2013, he was again appointed Federal Minister of the Interior.

Mr. Robert Herrmann

President Eurométropole de Strasbourg



8.2 THEMATIC PLENARY 1



Hartmut J. Streuff Moderator of the plenary

Mário Caetano

Hilmar von Lojewski

Ana Moreira

Margarita Caletrío Arcos

Luc Zwank

8.3 THEMATIC PLENARY 2

TBD

9. REGISTRATION - FEES

Registration open on 1st March 2017

The registration fee covers participation to the conference & workshops. It includes:

- Conference material
- Entry to pre-conference workshops (no fee but registration required)
- Entry to plenary and parallel sessions
- Entry to the exhibition
- Coffee breaks and lunch
- Free WIFI

All attendees (optional) €20

• Ice break & Farewell drinks

		2	Day Pre-Conference Kehl University 4 & 5 September	y (DE)			
	Early bird	Late	On-site				
	1 March 2017 t 31 July 2017	_	4 September 2017 to 7 5 September 2017	0			
All participants	FREE	FREE	FREE	Free entry to workshops Coffee breaks and lunch Free WIFI			
				Registration required			
3 Day Conference Strasbourg Conference centre (FR) 6-8 September 2017							
	Early bird	Late	On-site				
	1 March 2017 t 31 July 2017		4 September 2017 to 7 5 September 2017	0			
				The registration fee covers			
Standard attendees Students	€180 €90	€250 €90	€250 €90	Conference material Entry to pre-conference workshops Entry to plenary and parallel sessions Entry to the exhibition Coffee breaks and lunch Free WIFI			
				for all days of the conference including workshops 4 & 5 September			
			1 Day Fee 6-8 September				
	Early bird	Late	On-site				
	1 March 2017 t 31 July 2017	_	4 September 2017 to 7 5 September 2017	0			
				The registration fee covers			
Standard attendees	€90	€90	€90	Conference material Entry to plenary and parallel sessions Entry to the exhibition Coffee breaks and lunch Free WIFI			
				for the day on the ticket			

Networking Dinner
7 September 2017

Booking recommended

10. VENUE

The INSPIRE 2017 pre-conference workshops, 4-5 September, will take place in:

University of Applied Sciences in Kehl

Kinzigallee 1 77694 Kehl

Telephone: +49 7851 894-0 Telefax: +49 7851 894-120

E-Mail: info@hs-kehl.de (link sends e-mail) Internet: www.hs-kehl.de (link is external)

The INSPIRE 2017 Conference, 6-8 September, will take place in:

Strasbourg Convention and Exhibition Centre:

Palais des congrès Pierre-Pflimlin Place de Bordeaux FR-67082 Strasbourg cedex

http://www.strasbourg-events.com/en (link is external)

10.1 STRASBOURG

STRASBOURG CONVENTION & EXHIBITION CENTRE

The Strasbourg Convention & Exhibition Centre is situated in the center in of Strasbourg and offers ideal premises for events of any size. It has been completely renovated in 2016. The new multifunctional rooms and spaces – auditoriums, meeting rooms, breakout rooms, lounges, exhibition halls – are equipped with modern devices that enable sessions of high quality. The Conference will take place in the auditoriums Schweitzer and Cassin, the breakout rooms London, Madrid, Amsterdam and Rome. The Schweitzer Gallery will host the networking breaks and the Technical exhibition.

STRASBOURG CONVENTION & EXHIBITION CENTRE

(PALAIS DE LA MUSIQUE ET DES CONGRES)

Phone: +33 3 88 37 67 67

http://www.strasbourg-events.com/en (link is external)

10.2 KEHL

UNIVERSITY OF APPLIED SCIENCES

The University of Applied Sciences is a public university with the purpose to prepare its students for careers in public service in state agencies and departments, municipalities, counties and other public



corporations, institutions and foundations subject to state supervision. The University will host the workshops of the conference. They will take place in the auditorium, lyceum and classrooms of the University. The classrooms are equipped with smart boards with integrated projector. The lyceum and auditorium have ceiling projectors.

UNIVERSITY OF APPLIED SCIENCES

Kinzigallee 1 77694 Kehl

Phone: +49 7851/894-0

http://www.hs-kehl.de/ (link is external)

Access:

By train:

Kehl Bahnhof.

The University of Kehl can be reached either by foot (10-minutes' walk) or by bus: bus line 21 and bus stop: Kehl am Läger.

By tram from Strasbourg:

Line D, stop Kehl Hauptbahnhof

By bus from Strasbourg or from train station Kehl (Kehl Bahnhof):

Bus line 21, bus stop: Kehl am Läger.

10.3 PRACTICAL INFORMATION

Money exchange

Operating currency in Germany and France is **Euro** (€, **EUR**).

Tipping

In Germany, service and VAT are included in the menu price in restaurants, bars, etc. Still, it is typical to "round up" the amount to some more-or-less round figure. A rule of thumb is to add 5-10%, generally ending with a full Euro amount.

In France, you will always find a service charge on your bill, above the line for TVA (European Value Added Tax). This is included in the advertised prices in bars and restaurants. Therefore, tipping is not necessary, but is appreciated for good service. In normal restaurants, including cafés, you can leave €1; for every €20 (if the check is €80, you can leave anywhere from €2-€4).

<u>Visa</u>

EU nationals



EU nationals do not require a visa to enter the Federal Republic of Germany and/or France.

Non-EU nationals

Generally speaking, all other foreigners *require a visa* for stays in Germany and/or France. A visa is not required for visits of up to 90 days in an 180-day period for nationals of those countries for which the European Community has abolished the visa requirement.

You will find an overview on visa requirements here:

http://www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/StaatenlisteVisumpflicht_node.html (link is external)

http://www.schengenvisainfo.com/who-needs-schengen-visa/ (link is external)

Accommodation

A list of recommended hotels will follow very soon.

Medical care

European Health Insurance Card (EHIC)

If you have an EHIC card issued by an EU-member state, you can use your EHIC to access state healthcare in Germany and France and guidance on health matters.

In case of an emergency

In a serious, life-threatening emergency, call the pan-European number 112 free of charge from any mobile/cell phone or landline.

11. EXHIBITION & SPONSORSHIP

1. WHY BECOME AN EXHIBITOR AND COOPERATION PARTNER?

The INSPIRE Conference 2017 allows you to maximize your time and marketing investments while receiving immediate feedback on your new products and services from the relevant stakeholders.

The participants are:

- · environmental stakeholders
- public and private sector users
- providers and managers of spatial data
- providers of geospatial technology
- application developers
- · stakeholders from technical standard organizations
- stakeholders from EU level agencies
- stakeholders from international organizations
- stakeholders from global geospatial infrastructure frameworks and initiatives outside the EU
- stakeholders from research institutions, academic sector and students

Networking is guaranteed!

The conference has been designed in a way that all participants and activities orbit around the Technical exhibition. The cooperation partners and exhibitors will be permanently in touch with all attendees and speakers. Coffee and lunch breaks will be at the exhibition area. Coffee and lunch breaks are included in the conference fee and therefore all attendants will be around the commercial stands at coffee breaks and lunch time.

The presence of a large professional audience opens space for a great set of marketing opportunities providing excellent exposure to both cooperation partners and exhibitors prior to and during the conference.

Located at the heart of Europe and having the seats of the European institutions like European Parliament, Council of Europe and European Ombudsman, the Eurometropole Strasbourg will attract many participants from all EU Member States.

The Eurometropole Strasbourg is close to international airports (the nearest airport is Strasbourg-Entzheim) and it is easy to be reached by all European capitals with the high-speed rail.



The Conference Organizing Committee has developed a marketing and communication strategy which will ensure that the INSPIRE Conference 2017 will be continually promoted. The Official conference website, online marketing tools and direct marketing tools will be applied to ensure regular communication with the professional community from now and after the conference.

Sponsorship package

CONTACT DETAILS FOR SPONSORSHIP AND EXHIBITORS:

Ms Ani Handziska	Mr Marc Leobet
Federal Ministry of the Interior	Ministry of Environment, Energy and Marine Affairs
Alt-Moabit 140, 10557 Berlin	Tour Séquoia, 92055 La Défense cedex
E-mail: INSPIRE2017@bmi.bund.de (link sends	E-Mail: marc.leobet@developpement-
<u>e-mail)</u>	durable.gouv.fr (link sends e-mail)
Phone: +49 30 18 68 11 04 12	Phone: + 33 1 40 81 86 54

12. ANNEX I - DETAILS OF LINKS ON CALL FOR SUBMISSION ON INSPIRE MIWP 2017-2020

1. Fostering "Fitness for purpose"

The INSPIRE Implementing Acts and technical guidelines are key elements of the INSPIRE framework to establish a pan-European spatial data infrastructure.

Under this sub-topic we are looking for contributions that could help identifying the strengths and possible weaknesses of the INSPIRE framework, to assess its feasibility, efficiency and effectiveness (including policy, organizational and technical, issues) and to identify areas where changes could be considered – for example, where simplification and/or extension of the framework would be desirable from an end user application perspective.

2. End user applications on the use of INSPIRE with a focus on regulatory monitoring and reporting

In the context of EU environmental and other legislation a wide range of environmental, social and economic thematic data is collected to monitor the effectiveness and efficiency of implementing measures and programmes. Such monitoring needs to proportionately look at not just compliance with legal obligations but also help us to understand the causes and the extent, the seriousness of those problems, and describe our responses. This evidence is then usually transferred (reported) from the national or sub-national level to the EU level institutions. In this way, monitoring and reporting plays a fundamental role in providing information to citizens and policymakers on how well policy is delivering its environmental and social objectives and at what cost.

An important part of the monitoring data collected is of spatial nature. It is tied to a location or area such as for example, sources of emissions, where water or air quality is measured, where waste is disposed or processed, or within areas where nature and biodiversity are protected. In a number of cases these observations are part of a reporting obligation. In other cases the data serves to produce spatial information on pressures, state-of-the environment or impacts such as river basin risk maps or other reporting units. In many of such cases, producing this information, requires access and use other spatial data, such as geographic and administrative reference data, various types of statistical data, remote sensing data and meteorological data.

A considerable part of such data and spatial information falls within the scope of the INSPIRE Directive.

One objective of the EU's 'Better Regulation' initiative is to address concerns over the administrative burden that monitoring and reporting create across EU policy areas .

The 2017 INSPIRE conference therefore welcomes proposal for workshops, oral presentations or posters which demonstrate and comment on the use and/or the potential of INSPIRE spatial data, data specifications and services for addressing those concerns for regulatory monitoring and reporting.

Proposers are encouraged to reflect and comment on the following questions

- For which legislation are you using or envisage using INSPIRE for the regulatory monitoring and reporting?
- Which spatial data is required to meet the reporting requirements and who are the data providers concerned?
- What benefits does using INSPIRE bring in terms of more effective and efficient monitoring and reporting? (compared to other approaches)



- How has INSPIRE been integrated in the monitoring and reporting work flows of the organizations possibly active a different scales from local to regional to national and what lessons did you learn?
- Is something missing or not working in INSPIRE that would have made the use for monitoring and reporting easier?
- Are there obstacles or is there something missing in the thematic monitoring and reporting obligations preventing or making it more difficult to use INSPIRE?

3. Alignment with national, EU and international policies/initiatives

The implementation of the INSPIRE Directive is embedded in a number of national, EU and global policy developments and initiatives. There is already a high level of awareness on these issues in the expert community. However, there is a need for more dedicated, coordinated and systematic efforts between the EU level partners and the Member States to create synergies and align the INSPIRE work with those other policies and initiatives.

Contributions under this sub-topic are meant to inform and address questions of coordination, coherence and possible synergies with other EU or national legislation or initiatives from a short to longer perspective. For example: address financing opportunities and project coordination with available EU or national funds and initiatives such as the Copernicus/Galileo programmes, or to actions under the <u>Digital Single Market</u> such as the <u>eGovernment Action Plan</u> and in related areas such as ISA2 or the Connecting Europe Facility_. Also the coordination of input to global processes, such as <u>UN GGIM</u> could be of interest in the context of the INSPIRE implementation

4. Continued support to implementation

Contributions under this MIWP working area sub-topic are meant to inform on progress on - and exchanges of practices related to:

- 1. The development and evolution of the INSPIRE technical guidelines (including simplified guidance material) or exchanging of best practices (which can include, e.g. use cases and examples of successful implementation in a Member State of a single topic under an INSPIRE Annex theme).
- 2. The corrective maintenance of the INSPIRE framework by managing and resolving issues in technical guidelines and preparing proposals for change for Implementing Acts.
- 3. The adaptive maintenance of the INSPIRE framework to take into account emerging standards and technologies.
- 4. The development of tools supporting the implementation and use of INSPIRE data and services including officially endorsed tools to validate data, metadata and services.
- 5. Stakeholder engagement, including coordinating the further development of the INSPIRE knowledge base and contributing to its operation and engagement of thematic communities.

