



# Tools auf EC Ebene

## INSPIRE - ÖFFENTLICHKEITSARBEIT

CHRISTINE BRENDLE

# INSPIRE IN PRACTICE



INSPIRE IN PRACTICE

## The numbers



Last updated tools	Last updated apps	Last updated implementations
06 Nov 2017	deegree	
27 Oct 2017	geOrchestra	
27 Oct 2017	PDOK Extension for ArcGIS	
27 Oct 2017	INSPIRE Nederland plugin for QGIS	
17 Oct 2017	GMLAS	
17 Oct 2017	MongoDB	
17 Oct 2017	Geocortex	
17 Oct 2017	Boost.Geometry	

Geo\_Solution\_Providers

A Twitter list by @EULocation

**GIS Stack Exchange**  
@StackGIS

Can you answer this? cropping gtif with gdal\_translate or qgis clipper  
gis.stackexchange.com/q/263389?atw=1 #qgis

**cropping gtif with gdal\_transl...**  
I have a Gtif which loads into Q...  
gis.stackexchange.com

[Embed](#) [View on Twitter](#)

<https://inspire-reference.jrc.ec.europa.eu/>

# INSPIRE IN PRACTICE

## Implementations

[+ Add new Implementation](#)

This page gives you access to a collection of real implementations made by and for **implementers**.

- Users can share complete examples of their implementations or specific pieces for key tasks in INSPIRE implementation. The step-by-step procedures that users define in their examples help to illustrate how to generate INSPIRE assets. Every example consist of "**steps**" mapped to common **INSPIRE implementation Tasks** and potentially linked to the **tools** required to support the task.
- If you are a **solution provider**, you can discover who is using your tools and how they are using them in practice. This can help you, for example, to see if tools are being used as you designed or if there could be some improvements needed.

<b>Country</b>	<b>INSPIRE Themes</b>	<input type="button" value="Apply"/>	<input type="button" value="Reset"/>
<input type="text" value="Choose some options"/>	<input type="text" value="Choose some options"/>		

Title	Country	INSPIRE Themes	Owner
DataCove Statistical Viewer - Demonstrator	Austria	Population distribution - demography Statistical units	Katharina SCHLEIDT
GDI InspireUmsetzer	Germany	Administrative units Area management/restriction/regulation zones	Thorsten REITZ

# INSPIRE IN PRACTICE

## Tools

[+ Add new Tool](#)

This section contains an inventory of useful tools for the **INSPIRE implementation**. They can range from desktop/server software, libraries, plugins, online services and many more technical products and solutions that help people to share INSPIRE data, metadata and services.

Tool name	Scope	Platform	License Type
<a href="#">Apache Ant</a>	Other		Open Source
<a href="#">ArcGIS Desktop</a>	Data Stores, ETL, GIS, Metadata management, Navigation and Maps, Spatial Tools	Desktop	Proprietary
<a href="#">ArcGIS for INSPIRE <small>plug-in</small></a>	ETL, Metadata management, Spatial Tools, Web Servers	Desktop	Proprietary
<a href="#">ArcGIS Publish Client <small>plug-in</small></a>	Metadata management, Web Servers	Desktop	Open Source
<a href="#">AtlasMapper</a>	WebGIS	Server	Open Source
<a href="#">awstats</a>	Other	Server	Open Source
<a href="#">Azure</a>	Data Stores, Other	Service	Proprietary
<a href="#">Boost</a>	Other		Open Source



# INSPIRE KNOWLEDGE BASE

Infrastructure for spatial information in Europe

European Commission > INSPIRE > Toolkit > INSPIRE tools

- Home
- Learn
- Implement
- Participate
- Use
- Toolkit**

### Quick search

- Community
- Data and Service Sharing
- Data Specifications
- Implement
- INSPIRE
- INSPIRE in your Country
- Learn
- Maintenance and Implementation
- Metadata
- MIG Workprogramme
- Monitoring and Reporting
- Network Services
- Spatial Data Services
- Use

### INSPIRE tools

Category

Filter

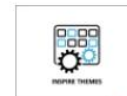
Reset



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[INSPIRE Extensions](#)



[INSPIRE Geoportal](#)

<http://inspire.ec.europa.eu/inspire-tools>



## Data Models

- UML Diagramme
- GML Schemas

## Data Specifications

The [INSPIRE Implementing Rules on interoperability of spatial data sets and services](#) (IRs) and [Technical Guidelines](#) (Data Specifications) specify common data models, code lists, map layers and additional metadata on the interoperability to be used when exchanging spatial datasets.

Datasets in scope of INSPIRE are ones which come under one or more of the 34 spatial



## Species distribution

- | Mapping Table
- | <https://inspire.ec.europa.eu/Themes/133/2892>

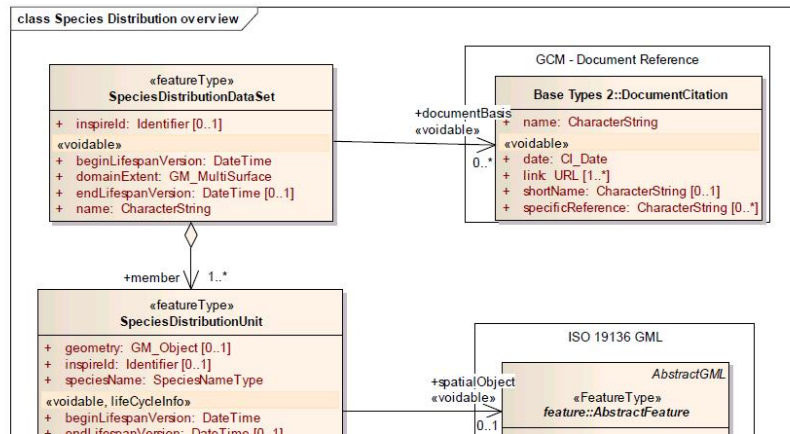
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Datasets in scope of INSPIRE are ones which come under one or more of the 34 spatial

INSPIRE		Reference: D2.8.III.19_v3.0	
TWG-SD	Data Specification on <i>Species Distribution</i>	2013-12-10	Page 23



# MAPPING TABLE

Application Schema 'SpeciesDistribution' (version 3.0)							
Type	Documentation	Attribute Association role / Constraint	Attribute / Association role / Constraint	Values / Enumerations	Multiplicity	Voidable / Non-Voidable	Type
<b>PopulationSizeType</b>	-- Name -- population size type. A range value indicating the counted, estimated or calculated occurrences or population sizes, which is defined by the occurrence unit.	<b>countingMethod</b>	-- Name -- counting method. Method of counting.	CountingMethodValue*	1		
		<b>countingUnit</b>	-- Name -- counting unit. What has been counted.	CountingUnitValue	1		
		<b>populationSize</b>	-- Name -- population size. Range value.	RangeType	1		
<b>DistributionInfoType</b>	-- Name -- distribution info type. The description of the status of the subject of distribution within the species distribution unit, including the indication of the abundance by counting, estimation or calculation of the number of occurrences or population size of the particular species.	<b>occurrenceCategory</b>	-- Name -- occurrence category. The occurrence category.	OccurrenceCategoryValue*	1		
		<b>residencyStatus</b>	-- Name -- residency status. Information on the residency status of the subject.	ResidencyStatusValue	0..1	voidable	
		<b>populationSize</b>	-- Name -- population size. Range value.	PopulationSizeType	0..1	voidable	
		<b>sensitiveInfo</b>	-- Name -- sensitive info. Boolean value.	Boolean* TRUE*	0..1	voidable	
		<b>populationType</b>	-- Name -- population type. The population type.	PopulationTypeValue*	0..1	voidable	
		<b>collectedFrom</b>	-- Name -- collected from. The date when the specimen was collected.	Date	1	voidable	
		<b>collectedTo</b>	-- Name -- collected to. The date when the specimen was collected.	Date	1	voidable	
<b>SpeciesNameType</b>	-- Name -- species name type. Identifier and scientific name, including the author, taken from an international reference list, optionally completed by a locally used name and its taxonomic concept relationship to the reference name. The authorized ReferenceSpeciesScheme provides reference	<b>referenceSpeciesId</b>	-- Name -- reference species. Identifier used in the reference list.	ReferenceSpeciesCodeValue*	1		
		<b>referenceSpeciesScheme</b>	-- Name -- reference species scheme. The reference list.	ReferenceSpeciesSchemeValue*	1		
		<b>referenceSpeciesName</b>	-- Name -- reference species name. The reference name.	ReferenceSpeciesNameValue*	1		
		<b>localSpeciesId</b>	-- Name -- local species id. Identifier used in the local reference list.	LocalSpeciesNameCodeValue*	0..1	voidable	
		<b>localSpeciesScheme</b>	-- Name -- local species scheme. Name of the local reference list.	CharacterString	0..1	voidable	
		<b>localSpeciesName</b>	-- Name -- local species name. Scientific name.	CharacterString	0..1	voidable	
		<b>qualifier</b>	-- Name -- qualifier. Specifies the taxonomic concept included.	QualifierValue*	0..1	voidable	

<http://inspire.ec.europa.eu/data-model/approved/r4618-ir/mapping/SpeciesDistribution%20Mapping%20Table.xml>



# THEMATIC CLUSTER



INSPIRE THEMATIC CLUSTERS

## Biodiversity and Management Areas Cluster

Image Owner Credit



### Description:

#### Welcome to the Biodiversity and Management Areas Cluster

This is an open group for people involved and interested in the community of Protected Sites, Area Management/Restriction/Regulation Zones and Reporting Units, Habitats and Biotopes, Species Distribution, Bio-geographical Regions (producers, implementers and users).

Please **use this group** to share resources and have discussions which are found to be common to more than one INSPIRE theme within the cluster.

For those which are specific and focused just on one of these themes, please use the separate subgroups created for such purpose.

**Owner:** [Stefania MORRONE](#)

Group members: 130

[Open group](#)

[Login to Join](#)



[PS] Protected sites



[BR] Bio-geographical regions



[HB] Habitats and biotopes



[SD] Species distribution



[AM] Area management / restriction / regulation zones & reporting units

# KONTAKT & INFORMATION

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INSPIRE Workshop  
Wien | 29.11.2017