



GEOINFORMATION & INSPIRE IN BULGARIA





INSPIRE

INFRASTRUCTURE FOR SPATIAL INFORMATION IN EUROPE

INSPIRE defines common rules for the creation of an infrastructure for spatial information in Europe;

INSPIRE is based on an infrastructure for existing spatial information, which is managed by the Member-States;





INSPIRE

INFRASTRUCTURE FOR SPATIAL INFORMATION IN EUROPE (2)

INSPIRE is a distributed infrastructure;

INSPIRE does not require collection of new spatial data;

INSPIRE does not affect the existing intellectual property rights;

INSPIRE provides for data sharing and establishment of an infrastructure for spatial data at European level.





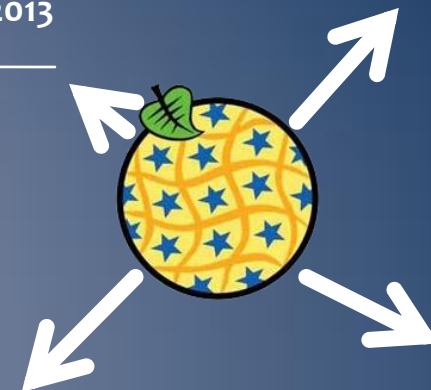
WHAT IS “INFRASTRUCTURE FOR SPATIAL INFORMATION” ?

- *metadata;*
- *spatial data sets and services for spatial data;*
- *network services and technologies;*
- *agreements on sharing, access and use;*
- *mechanisms of coordination and monitoring;*
- *Processes and procedures.*





VISION OF THE INSPIRE DIRECTIVE 2007/2/EO



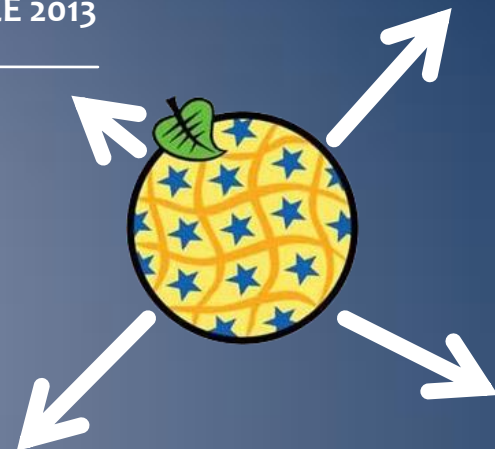
Ensures transparency of the environmental policy, since the Directive makes the environmental data publicly available.

Removes the barriers before the use of spatial data, since the infrastructure ensures their exchange between the individual institutions within each state and between the states themselves.





VISION OF THE INSPIRE DIRECTIVE 2007/2/EO ⁽²⁾



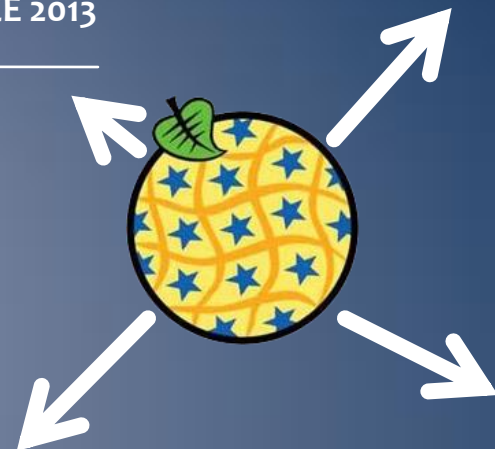
Demonstrates the extremely high potential of spatial data and geo-information and enables the ordinary user to use them.

Serves the citizens, science, economy and governance.





VISION OF THE INSPIRE DIRECTIVE 2007/2/EO ⁽³⁾



*Serves planning and decision-making,
related to spatial information.*

*Gives security to investments since it
requires continuous updating of spatial
information.*





Europe2020 strategy objectives contain many aspects requiring information at local level and European statistics have become increasingly important for the development, implementation, monitoring and evaluation of EU policies.



In the end of January 2012 NSDI Co-ordination Unit received a suggestion that the ESSC should take a leading role in further awareness-raising and coordination of an increased integration of two sources of information, geospatial and statistical, which ultimately would lead to an increased capability to monitor and understand human and natural phenomena, reduce burdens related to duplications of efforts and provide better information for policy making.





The suggestion is that:

- *The ESSC becomes the only comitology committee for the ESS, dealing with all the comitology issues and with the power to take the final decision.*
- *All the other comitology committees cease to exist and their portfolio of responsibility is transferred to the ESSC.*





The integration of geographical and statistical information, although not void of major challenges, offers important opportunities to maximize the utility of data collected by statistical offices.

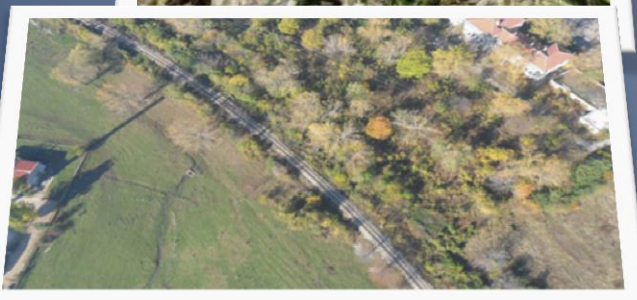
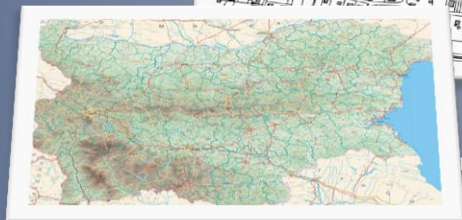
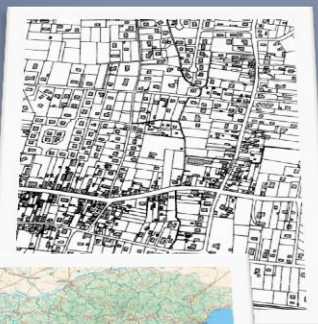
In this context, the INSPIRE Directive, currently in its implementation phase, will facilitate the interoperability of this information.





Annex I

1. Coordinate reference systems
2. Geographical grid systems
3. Geographical names
4. Administrative units
5. Addresses
6. Cadastral parcels
7. Transport networks
8. Hydrography
9. Protected sites



Annex II

1. Relief
2. Land cover
3. Ortho imagery
4. Geology

Annex III

1. Statistical units

2. Buildings
3. Soil
4. Land use
5. Human health and safety
6. Utility and governmental services
7. Environmental monitoring facilities
8. Production and industrial facilities
9. Agricultural and aquaculture facilities
10. Population distribution – demography
11. Area management / restriction / regulation zones and reporting units
12. Natural risk zones
13. Atmospheric conditions
14. Meteorological geographical features
15. Oceanographic geographical features
16. Sea regions
17. Bio-geographical regions
18. Habitats and biotopes
19. Species distribution
20. Energy resources
21. Mineral resources





INSPIRE Infrastructure for Spatial Information in Europe

D2.8.III.1 Data Specification on Statistical Units – Draft Guidelines

Title	D2.8.III.1 INSPIRE Data Specification on <i>Statistical</i> Units – Draft Guidelines
Creator	INSPIRE Thematic Working Group <i>Statistical</i> Units
Date	2011-06-15
Subject	INSPIRE Data Specification for the spatial data theme <i>Statistical</i> Units
Publisher	INSPIRE Thematic Working Group <i>Statistical</i> Units
Type	Text
Description	This document describes the INSPIRE Data Specification for the spatial data theme <i>Statistical</i> Units
Contributor	Members of the INSPIRE Thematic Working Group <i>Statistical</i> Units
Format	PDF
Source	
Rights	Public
Identifier	D2.8.III.1_v2.0
Language	En
Relation	Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)
Coverage	Project duration

This document specifies a harmonised data specification for the spatial data theme Statistical Units as defined in Annex III of the INSPIRE Directive.

This data specification provides the basis for the drafting of Implementing Rules according to Article 7 (1) of the INSPIRE Directive [Directive 2007/2/EC].





A Statistical Unit (SU) is a spatial feature (Polygon, Line, Point or Grid cell) that can be used to attach statistical information. Statistical information can be defined as "any numerical representation of a phenomenon".

All INSPIRE features can be seen as a statistical unit. For example road traffic data can be attached to Road Link features of the Road Transport Networks theme; population data can be attached to Building features of the Building theme.

Statistical units theme addresses the units that are not already addressed by other themes and that are usually used only for dissemination of statistical data.





Uses of statistical units:

- *national governments;*
- *administrative units;*
- *population distribution/demography;*
- *settlement, urban and regional development;*
- *geographical grids;*
- *health;*
- *risks assessment, mainly in connection with population distribution;*
- *as a needed geometry for thematic presentations;*
- *a basis for joining, aggregation and presentation of maps for nearly any theme or sector-specific issue etc.*





The exploitation of the geographic dimension of statistics can be used:

- to facilitate the analysis of statistical data (e.g. error detection, spatial patterns, correlations);*
- to create new, specifically defined indicators on the basis of existing statistical and geographical information;*
- to provide more meaningful information, especially in domains such as transport or environment;*
- to open up a wide range of new possibilities to better understand environmental, social and economic phenomena, analyse correlations or trends and ultimately better support the development of European policies;*
- to provide opportunities to maximize the utility of data collected by statistical offices.*





Statistical units are necessary as geographical features also in environmental and social assessments.

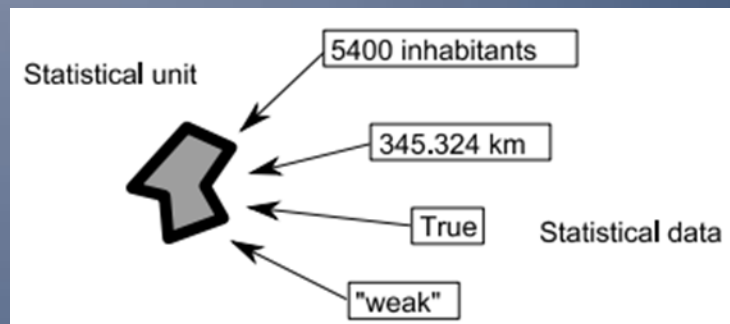
Statistical units can be used as the geographical basis for the research on nearly any phenomena.

They are of major importance to integrated analysis for sectors and regions.





- *Statistical information is not considered as part of the statistical unit. It is a non-spatial thematic information, whose harmonization is out of the scope of INSPIRE and specifications from statistical units. For this information we can refer to the specification of the INSPIRE theme Population Distribution.*



- *This document only focuses on the representation of the spatial features used to attach any kind of statistical data.*



НАЧАЛО | КАРТА НА САЙТА | ОБРАТНА ВРЪЗКА | ТЕКСТОВА ВЕРСИЯ

ЕЗИК | ENGLISH



Република България
МИНИСТЕРСТВО НА ТРАНСПОРТА, ИНФОРМАЦИОННИТЕ ТЕХНОЛОГИИ И СЪБЩЕНИЯТА
ИЗПЪЛНИТЕЛНА АГЕНЦИЯ
ЕЛЕКТРОННИ СЪБЩИТЕЛНИ МРЕЖИ И ИНФОРМАЦИОННИ СИСТЕМИ

Търси

Начало / Информационни и комуникационни системи / INSPIRE

За агенцията

Новини и събития

Единна електронна съобщителна мрежа

Информационни и комуникационни системи

Развитие на високоскоростен широколентов достъп в България

INSPIRE

Нормативни документи

Пътна карта

Новини

Документи за обсъждане

Презентации

Форум

Връзки

Smart SDI

HELM

CERT Bulgaria

Национален център за суперкомпютърни приложения

Оперативни програми

Отчети

Профил на купувача

Обществено обсъждане

За граждани

Вакантни позиции

Връзки

Карта на сайта

Инфраструктура за пространствена информация в Европа - INSPIRE



ИНОВО - X СРЕЩА НА КОМИТЕТА ПО ИНФРАСТРУКТУРА ЗА ПРОСТРАНСТВЕНА ИНФОРМАЦИЯ В ЕС (INSPIRE)

-  [INSPIRE_2012_1_2_Committee_14112012_draft_minutes_V1.pdf](#) (96,83 KB)
-  [INSPIRE_2013_1_0_10th_INSPIRE_committee_agenda_draft_V2.pdf](#) (24,05 KB)
-  [INSPIRE_2013_1_1_European_Commission_INSPIRE_Team.pdf](#) (147,36 KB)
-  [INSPIRE_2013_1_2_IR_ISDSS_AnnexII_III_amendment_INSPIRE_2013_1_2_.pdf](#) (3,62 MB)
-  [INSPIRE_2013_1_3_Explanatory_note_IR_Annex_III revised.pdf](#) (192,93 KB)
-  [INSPIRE_2013_1_4_Draft_ToR_MIG_INSPIRE_2013_1_4.pdf](#) (335,1 KB)
-  [INSPIRE_2013_1_5_Maintenance_and_Implementation_activities_2013_final_draft2_3_.pdf](#) (309,13 KB)
-  [INSPIRE_2013_1_6_Evaluation_project_Art.23_2014_EC_Report_to_Council_and_European_V1.2.pdf](#) (544,49 KB)
-  [1_BG_ACT_part1_v1.doc](#) (112 KB)
-  [1_BG_ACT_part2_v3.doc](#) (4,53 MB)

ДИРЕКТИВА 2007/2/ЕО НА ЕВРОПЕЙСКИЯ ПАРЛАМЕНТ И НА СЪВЕТА от 14 март 2007 година за създаване на инфраструктура за пространствена информация в Европейската общност (INSPIRE)

ЗАКОН ЗА ДОСТЪП ДО ПРОСТРАНСТВЕНИ ДАННИ, транспониращ ДИРЕКТИВА 2007/2/ЕО (INSPIRE)

ВХОД КЪМ ИНФОРМАЦИОННАТА СИСТЕМА: SMART SDI

Наблюдение и докладване изпълнението на директивата INSPIRE

- [Решение на комисията](#)
- Докладване - 15 май 2013 г.
 -  [Отчет на държава-членка: България, 2013](#)
 -  [Таблица](#)
- Докладване - 15 май 2012 г.

АНТИКОРУПЦИЯ





STATE ADMINISTRATIONS – MINISTRIES AND AGENCIES ADMINISTER A LARGE SET OF SPATIAL DATA, GENERATED UNDER VARIOUS LAWS.

- *Leading ministries are: Ministry of regional development, Ministry of agriculture and food, Ministry of Environment and Water, Ministry of transport, information technology and communications;*
- *Leading agencies: Agency of Geodesy, Cartography and Cadaster, Executive Environment Agency, Executive Agency on Soil Resources, Executive Agency on Forests and others;*
- *Directorates: River Basin Directorate to MOEW, MOEW - Rila National Park Directorate, MOEW - Pirin National Park Directorate, MOEW - Central Balkan National Park Directorate, MOEW - National Service of Environmental Protection, Executive Agency "Exploration and Maintenance of Danube River" to MTITC, directorate "Natural resources and concessions" to Ministry of Economy and Energy;*
- *State enterprises: Bulgarian Ports Infrastructure Company and National Railway Infrastructure Company to MTITC.*





MONITORING DATA FOR 2013:

Available spatial data sets as of 15.05.2013 – 549 in different formats – ZEM, AutoCAD DWG, AutoCAD DXF, TIFF, Shape, etc.

Lack of metadata for the sets and services. Only two state structures declare that they have metadata in compliance with ISO standard;

The basic services provided are VIEW and DOWNLOAD, but they are in conformity with the standards and regulation on services. Exceptions are MOEW u EEA, which state that their services meet ISO standard;

The communication networks of the state structures use TCP/IP for data transmission

Private telecommunication networks are used for long-distance connectivity.





APPROVED PROJECT OF EA “ECNIS” UNDER OPERATIONAL PROGRAMME „ADMINISTRATIVE CAPACITY” FOR BUILDING A NATIONAL PORTAL FOR SPATIAL DATA AND ACHIEVING INTEROPERABILITY OF DATA AND SERVICES, APPLYING THE REQUIREMENTS

Establishment of a national portal for spatial data for provision of network services to the state administration, citizens and business;

Building the necessary standard and interoperable information and communication environment at national level for access from administrators and users of spatial data;

Studying and implementation of European requirements for harmonization of spatial data and services with them aimed at including our country in building the European infrastructure for spatial information;





APPROVED PROJECT OF EA “ECNIS” UNDER OPERATIONAL PROGRAMME „ADMINISTRATIVE CAPACITY” FOR BUILDING A NATIONAL PORTAL FOR SPATIAL DATA AND ACHIEVING INTEROPERABILITY OF DATA AND SERVICES, APPLYING THE REQUIREMENTS (2)

Improving the qualification of the expert staff of the state and municipal administration for effective provision of services with spatial data;

Promoting ideas, objectives and principles of usage of spatial data as part of electronic governance at national and European level for more effective public governance.





THANK YOU FOR YOUR ATTENTION!

Lilyana Turnalieva

Head of department

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and information systems”*

*Ministry of Transport, Information
Technology and Communications*

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