



MINISTRY
OF MARITIME ECONOMY
AND INLAND NAVIGATION

Data use and sharing in MSP Directive

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Directive **2014/89/EU** of The European Parliament
and of The Council of 23 July 2014 establishing a
framework for maritime spatial planning

Article 8

Setting-up of maritime spatial plans

1. When establishing and implementing maritime spatial planning, Member States shall set up maritime spatial plans which identify the spatial and temporal distribution of relevant existing and future activities and uses in their marine waters, in order to contribute to the objectives set out in Article 5.
2. In doing so and in accordance with Article 2(3), Member States shall take into consideration relevant interactions of activities and uses.



Without prejudice to Member States' competences, possible activities and uses and interests may include:

- aquaculture areas,
- fishing areas,
- installations and infrastructures for the exploration, exploitation and extraction of oil, of gas and other energy resources, of minerals and aggregates, and for the production of energy from renewable sources,
- maritime transport routes and traffic flows,
- military training areas,
- nature and species conservation sites and protected areas,
- raw material extraction areas,
- scientific research,
- submarine cable and pipeline routes,
- tourism,
- underwater cultural heritage.



Article 10

Data use and sharing

1. Member States shall organise the use of the best available data, and decide how to organise the sharing of information, necessary for maritime spatial plans.
2. The data referred to in paragraph 1 may include, inter alia:
 - (a) environmental, social and economic data collected in accordance with Union legislation pertaining to the activities referred to in Article 8;
 - (b) marine physical data about marine waters.
3. When implementing paragraph 1, Member States shall make use of relevant instruments and tools, including those already available under the IMP, and under other relevant Union policies, such as those mentioned in **Directive 2007/2/EC**.



Transposition checklist for Directive 2014/89/EU (MSP)

| Article 10 | Data use and sharing | Transposition required? | Comments | Related Articles |
|------------|--|-------------------------|--|------------------|
| 10(1) | Member States shall organise the use of the best available data, and decide how to organise the sharing of information, necessary for maritime spatial plans. | Yes | Member States' decision regarding the use of data and the sharing of information should also be clarified in the plan(s) and accompanying documents. | |
| 10(2) | The data referred to in paragraph 1 may include, inter alia: | No | This paragraph is illustrative. | |
| 10(2)(a) | environmental, social and economic data collected in accordance with Union legislation pertaining to the activities referred to in Article 8; | | | |
| 10(2)(b) | marine physical data about marine waters. | | | |
| 10(3) | When implementing paragraph 1, Member States shall make use of relevant instruments and tools, including those already available under the IMP, and under other relevant Union policies, such as those mentioned in Directive 2007/2/EC. | No | The transposition of this paragraph is optional. | |



Article 11

Cooperation among Member States

1. As part of the planning and management process, Member States bordering marine waters shall cooperate with the aim of ensuring that maritime spatial plans are coherent and coordinated across the marine region concerned. Such cooperation shall take into account, in particular, issues of a transnational nature.
2. The cooperation referred to in paragraph 1 shall be pursued through:
 - (a) | existing regional institutional cooperation structures such as Regional Sea Conventions; and/or
 - (b) | networks or structures of Member States' competent authorities; and/or
 - (c) | any other method that meets the requirements of paragraph 1, for example in the context of sea-basin strategies.



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| Article 11 | Cooperation among Member States | Transposition required? | Comments | Related Articles |
|-------------------|--|--------------------------------|--|-------------------------|
| 11(1) | As part of the planning and management process, Member States bordering marine waters shall cooperate with the aim of ensuring that maritime spatial plans are coherent and coordinated across the marine region concerned. Such cooperation shall take into account, in particular, issues of a transnational nature. | Yes | The obligation of coordination as specified here goes beyond the obligation to share information. Even though it does not require Member States to establish similar mechanisms, it implies setting-up cooperation procedures. | |
| 11(2) | The cooperation referred to in paragraph 1 shall be pursued through: | No | Although the competence to defining the means of that cooperation is left to Member States, those means should be further clarified in the plan(s) and accompanying documents. | |
| 11(2)(a) | existing regional institutional cooperation structures such as Regional Sea Conventions; and/or | | | |
| 11(2)(b) | networks or structures of Member States' competent authorities; and/or | | | |
| 11(2)(c) | any other method that meets the requirements of paragraph 1, for example in the context of sea-basin strategies. | | | |



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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)

Article 17 - DATA-SHARING

1. Each Member State shall adopt measures for the sharing of spatial data sets and services between its public authorities referred to in point (9)(a) and (b) of Article 3. Those measures shall enable those public authorities to gain access to spatial data sets and services, and to exchange and use those sets and services, for the purposes of public tasks that may have an impact on the environment.
2. The measures provided for in paragraph 1 shall preclude any restrictions likely to create practical obstacles, occurring at the point of use, to the sharing of spatial data sets and services.
3. Member States may allow public authorities that supply spatial data sets and services to license them to, and/or require payment from, the public authorities or institutions and bodies of the Community that use these spatial data sets and services. Any such charges and licenses must be fully compatible with the general aim of facilitating the sharing of spatial data sets and services between public authorities. Where charges are made, these shall be kept to the minimum required to ensure the necessary quality and supply of spatial data sets and services together with a reasonable return on investment, while respecting the self-financing requirements of public authorities supplying spatial data sets and services, where applicable. Spatial data sets and services provided by Member States to Community institutions and bodies in order to fulfil their reporting obligations under Community legislation relating to the environment shall not be subject to any charging.



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4. The arrangements for the sharing of spatial data sets and services provided for in paragraphs 1, 2 and 3 shall be open to public authorities referred to in point (9)(a) and (b) of Article 3 of other Member States and to the institutions and bodies of the Community, for the purposes of public tasks that may have an impact on the environment.
5. The arrangements for the sharing of spatial data sets and services provided for in paragraphs 1, 2 and 3 shall be open, on a reciprocal and equivalent basis, to bodies established by international agreements to which the Community and Member States are parties, for the purposes of tasks that may have an impact on the environment.
6. Where the arrangements for the sharing of spatial data sets and services provided for in paragraphs 1, 2 and 3 are made available in accordance with paragraphs 4 and 5, these arrangements may be accompanied by requirements under national law conditioning their use.
7. By way of derogation from this Article, Member States may limit sharing when this would compromise the course of justice, public security, national defence or international relations.
8. Member States shall provide the institutions and bodies of the Community with access to spatial data sets and services in accordance with harmonised conditions. Implementing rules governing those conditions, designed to amend non-essential elements of this Directive by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 22(3). These implementing rules shall fully respect the principles set out in paragraphs 1 to 3.



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INSPIRE THEMES:

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. Elevation
2. Land cover
3. Orthoimagery
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 on 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



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INSPIRE THEMES:

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. **Elevation** (bathymetry)
2. Land cover
3. Orthoimagery
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**



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INSPIRE themes consume a lot from scope of MSP data



INSPIRE themes use source public data



Web services are convenient way to obtain data



Lack of some data, yet.



Examples of geoportals which are in line with **INSPIRE Directive** principles:

<http://inspire-geoportal.ec.europa.eu/> - European access point for
spatial data and services

<http://www.geoportal.gov.pl/>

<http://inspire.gios.gov.pl>

<http://geoserwis.gdos.gov.pl/mapy/>

<https://geo.stat.gov.pl/pl>



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

The INSPIRE geoportal provides the means to search for spatial data sets and spatial data services, and subject to access restrictions, to view spatial data sets from the EU Member States within the framework of the INSPIRE Directive.

The screenshot shows the INSPIRE Geoportal website. At the top, there is a navigation bar with the European Commission logo and the text "INSPIRE GEOPORTAL Enhancing access to European spatial data". Below this, a blue banner contains the breadcrumb "EUROPEAN COMMISSION > INSPIRE > INSPIRE GEOPORTAL". The main content area features a large map of Europe with several callout boxes:

- Welcome to the INSPIRE geoportal**: A text box explaining the purpose of the portal and providing a "More..." link.
- Discovery / Viewer**: A text box describing search and access capabilities, accompanied by a small map of Europe and a "More ..." link.
- Validator**: A text box explaining the purpose of the INSPIRE Metadata Validator, accompanied by a small code snippet:

```
Invalid Element:  
number of inst  
(2.2.5) Unique  
(1) / identifier  
/2005/gmd/11  
/2005/gmd/11  
(2.4) For dat  
/www.isotc
```
- Metadata Editor**: A text box describing the tool for creating metadata, accompanied by a small code snippet:

```
<xsd:schema  
<-Doc1  
<xsd:el  
1 AD1
```
- Resource Browser**: A text box providing technical insight into resource metadata, accompanied by a small code snippet:

```
<xsd:schema  
<-Doc1  
<xsd:el
```



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<http://www.geoportal.gov.pl/>

GEOPORTAL is national access point for spatial information. Project is realized by Head Office of Geodesy and Cartography for implementation of spatial data infrastructure.

Witamy - Geoportal 2 x +

www.geoportal.gov.pl

Szukaj

Szukaj...

O Geoportalu Usługi Dane Aplikacje Regulamin Ewidencja zbiorów i usług Forum Pomoc Kontakt

Geoportal INSPIRE

Niniejsza aplikacja internetowa umożliwia przeglądanie danych przestrzennych oraz wyszukiwanie zbiorów i usług danych przestrzennych udostępnionych zgodnie z dyrektywą INSPIRE. Otwórz

Mapy

Dane o charakterze katastralnym

Ortofotomapa

Więcej

Usługi

Wyszukaj działkę

Wyszukaj adres lub nazwę geograficzną

Życzą serdecznie
Główny Urząd Geodezji i Kartografii



MINISTRY OF MARITIME ECONOMY AND INLAND NAVIGATION

<http://www.geoportal.gov.pl/>

GEOPORTAL is national access point for spatial information. Project is realized by Head Office of Geodesy and Cartography for implementation of spatial data infrastructure.

The screenshot shows the Geoportal website with a navigation menu and a main content area. The navigation menu includes: O Geoportalu, Usługi, Dane, Aplikacje, Regulamin, Ewidencja zbiorów i usług, Forum, Pomoc, Kontakt. The main content area is titled "INSPIRE THEMES:" and is divided into two columns: "Now:" and "Future:". The "Now:" column lists: Geographical names, Administrative units, Addresses, Cadastral parcels, and Transport networks. The "Future:" column lists: Elevation, Orthoimagery, Buildings, Soil, Land use, Utility and governmental services, Production and industrial facilities, and Area management/restriction/regulation zones and reporting units. The website also features a search bar, a map, and a "Wyszukaj" button.

INSPIRE THEMES:

Now:

- Geographical names
- Administrative units
- Addresses
- Cadastral parcels
- Transport networks

INSPIRE THEMES:

Future:

- Elevation
- Orthoimagery
- Buildings
- Soil
- Land use
- Utility and governmental services
- Production and industrial facilities
- Area management/restriction/regulation zones and reporting units



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<http://inspire.gios.gov.pl>

Spatial data infrastructure node which realizes guidelines of the European Commission in domain of environmental monitoring facilities.

GIOŚ INSPIRE

inspire.gios.gov.pl/portal/ Szukaj

Główny Inspektorat Ochrony Środowiska

strona główna | aktualności | statystyki | PMS | kontakt

rozmiar tekstu: a a a a a

GIOŚInspire

Witamy w geoportalu GIOŚ INSPIRE!

Serwis stanowi branżowy węzeł Infrastruktury Informacji Przestrzennej realizujący wytyczne Komisji Europejskiej, temat - urzędzenia do monitorowania środowiska.

czytaj więcej

GeoPortal

WFS
GML
WMS

MetaDane

xml
xml

E-Learning



MINISTRY OF MARITIME ECONOMY AND INLAND NAVIGATION

<http://inspire.gios.gov.pl>

Spatial data infrastructure node which realizes guidelines of the European Commission in domain of environmental monitoring facilities.

GIOŚ INSPIRE

inspire.gios.gov.pl/portal/ Szukaj

Główny Inspektorat Ochrony Środowiska

strona główna | aktualności | statystyki | PMS | kontakt

rozmiar tekstu: a a a a a

INSPIRE THEMES:

- **Environmental monitoring facilities**

Serwis stanowi branżowy węzeł Infrastruktury Informacji Przestrzennej realizujący wytyczne Komisji Europejskiej, temat - urządzenia do monitorowania środowiska.

czytaj więcej

GeoPortal

WFS GML WMS

MetaDane

xml xml i

E-Learning



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<http://geoserwis.gdos.gov.pl/mapy/>

Geoserwis is an spatial data infrastructure node of The General Directorate for Environmental Protection

Geoserwis GDOŚ

<http://geoserwis.gdos.gov.pl/mapy/>

Mapa
ortofotomapa GUGIK

GENERALNA DYREKCYJA OCHRONY ŚRODOWISKA

Legenda

- Ortofotomapa
- Obszary chronione
 - Rezerваты
 - Parki Krajobrazowe *
 - Parki Narodowe *
 - Obszary Chronionego Krajobrazu *
 - Zespoły Przyrodniczo-Krajobrazowe *
 - Natura 2000 - obszary ptasie
 - Natura 2000 - obszary siedliskowe
 - Stanowiska Dokumentacyjne *
- Planowane zmiany granic Natura 2000
- Inne dane środowiskowe
- Ośrodki rehabilitacji zwierząt
- Multimedia
- Dane o charakterze katastralnym
- Państwowy Rejestr Granic
- Państwowy Rejestr Nazw Geogr.

więcej... * - dane w weryfikacji i aktualizacji

Obszary chronione Podział administracyjny Nazwy geograficzne



<http://geoserwis.gdos.gov.pl/mapy/>

Geoserwis is an spatial data infrastructure node of The General Directorate for Environmental Protection

<http://geoserwis.gdos.gov.pl/mapy/>

INSPIRE THEMES:

- Protected sites



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<https://geo.stat.gov.pl/pl>

Geostatistics Portal is a tool for the cartographic presentation of statistical data. In order to fulfil the requirements of the INSPIRE Directive the following datasets have been registered in the national register of spatial datasets and services: statistical regions and census enumeration areas, statistical units, population distribution.

The screenshot displays the Geostatistics Portal interface. At the top, there is a navigation menu with links: Start, O portalu, Aktualności, INSPIRE, GRANTY, Wydarzenia, FAQ, and Kontakt. The main content area features a map of Poland with several pie charts overlaid on different regions. The pie charts represent the composition of economic activity. Two legends are visible on the right side of the map:

- Legenda Liczba gospodarstw**: Shows the number of households with color-coded categories: 0%, 1-25%, 26-50%, 51-75%, 76-99%, and 100%.
- Legenda % udział gospodarstw prowadzących wyłącznie działalność rolniczą w liczbie gospodarstw ogółem**: Shows the percentage of households engaged in exclusively agricultural activity, with color-coded categories: 0%, 05 - 10%, 10 - 25%, 25 - 50%, 50 - 75%, and 75 - 100%.

Below the map, there are two main sections:

- MAPY**: A section with a magnifying glass icon, likely for map navigation.
- PODRECZNIK**: A section with a book icon, likely for a manual or help.

At the bottom, there is a description of the portal's purpose and its functions:

Portal Geostatystyczny to nowoczesne rozwiązanie do kartograficznej prezentacji wyników informacji statystycznych pozyskanych w spisach powszechnych tj. Powszechnym Spisie Rolnym 2010 (PSR 2010) i Narodowym Spisie Powszechnym Ludności i Mieszkań 2011 (NSP 2011) oraz Banku Danych Lokalnych (BDL).

Pełni funkcje:

- gromadzenia,
- prezentowania,
- udostępniania informacji dla szerokiego grona odbiorców, m.in. administracji publicznej, przedsiębiorców, użytkowników indywidualnych oraz instytucji naukowo - badawczych.



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<https://geo.stat.gov.pl/pl>

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The screenshot shows the Geostatistics Portal website. The main heading is 'INSPIRE THEMES:'. Below it, a navigation bar includes 'Start', 'O portalu', 'Aktualności', 'INSPIRE', 'GRANTY', 'Wydarzenia', 'FAQ', and 'Kontakt'. The 'INSPIRE THEMES' list includes:

- Statistical units
- Population distribution demography

The map visualization shows a map of Poland with pie charts overlaid on various regions, representing statistical data. The pie charts are color-coded according to a legend. The legend for 'Liczba gospodarstw' (Number of farms) shows categories: 0%, 1-25%, 26-50%, 51-75%, 76-99%, and 100%. The legend for '% udział gospodarstw prowadzących wyłącznie działalność rolniczą w liczbie gospodarstw ogółem' (Percentage of farms conducting exclusively agricultural activity in the total number of farms) shows categories: 85-98%, 70-85%, and 55-70%.

Below the map, there is a section titled 'MAPY' (MAPS) and a section titled 'PODRĘCZNIK UŻYTKOWANIA' (USER MANUAL).

Portal Geostatystyczny to nowoczesne rozwiązanie do kartograficznej prezentacji wyników informacji statystycznych pozyskanych w spisach powszechnych tj. Powszechnym Spisie Rolnym 2010 (PSR 2010) i Narodowym Spisie Powszechnym Ludności i Mieszkań 2011 (NSP 2011) oraz Banku Danych Lokalnych (BDL).

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Kompleksowe rozwiązanie, dostosowane jest do standardów europejskich, umożliwia dostęp do danych w sposób prosty i przejrzysty.



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Thank you for your attention!

Katarzyna Krzywda
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