

Możliwości technologii Esri w tworzeniu INSPIRE

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ArcGIS for INSPIRE

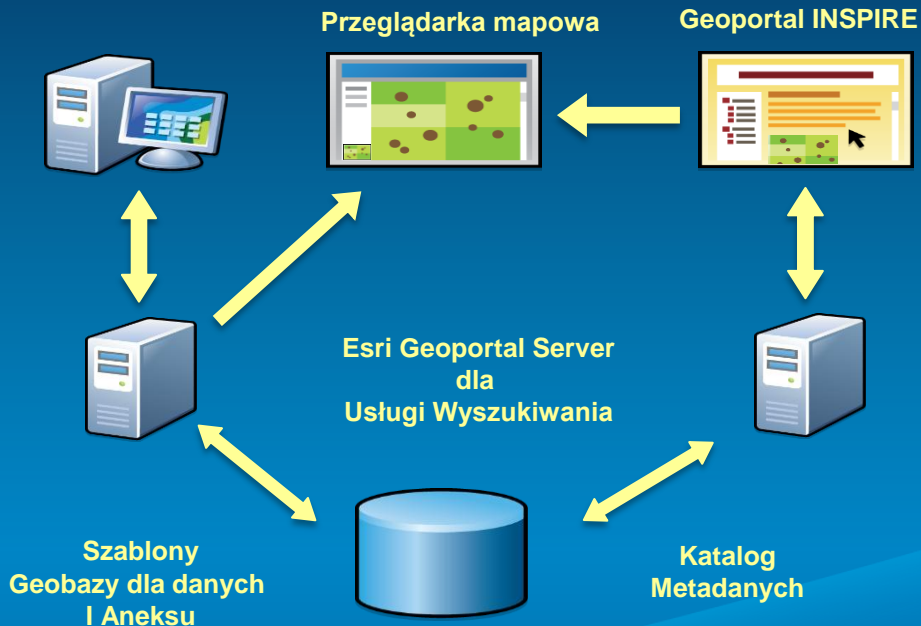
- Usługa przeglądania INSPIRE
- Usługa pobierania INSPIRE
- Model danych z Aneksu I Dyrektywy
- Usługa wyszukiwania INSPIRE



ArcGIS for INSPIRE: komponenty

Rozszerzenie dla ArcGIS Desktop, pozwalające na tworzenie i zarządzanie danymi

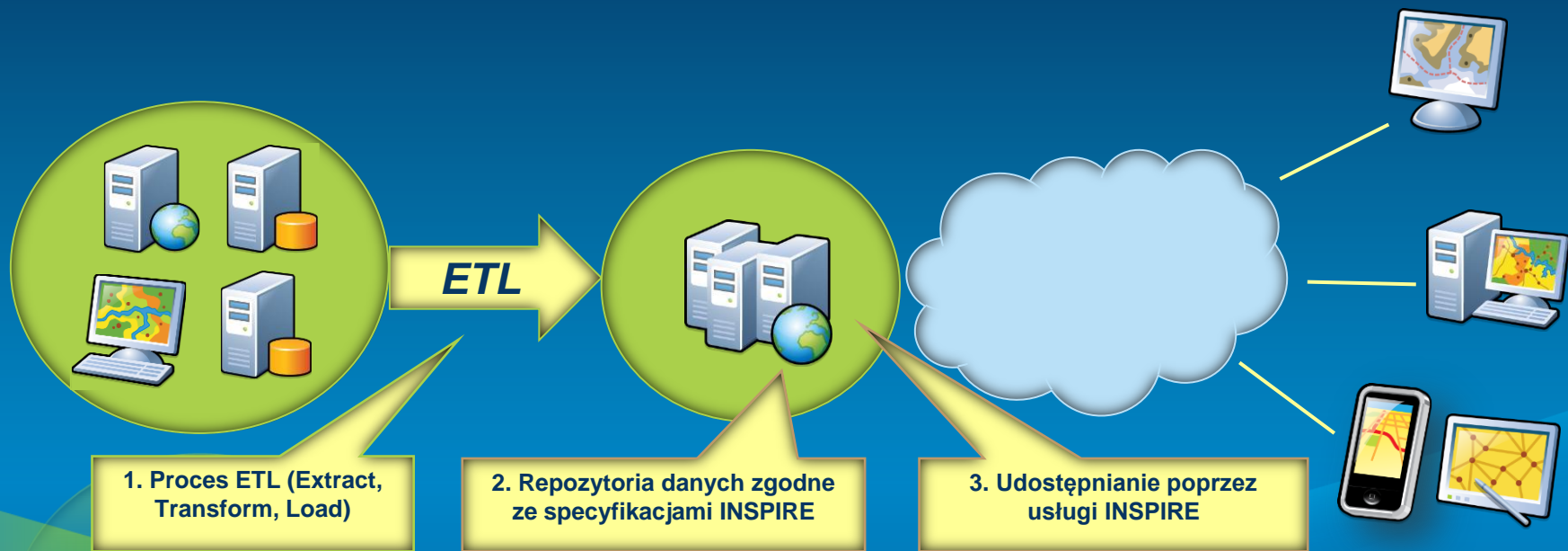
Rozszerzenie dla ArcGIS Server pozwalające na tworzenie i zarządzanie usługami przeglądania i pobierania



ArcGIS for INSPIRE: zgodność z INSPIRE

INSPIRE Implementing Rule	Technical Guidance
Regulation on INSPIRE Network Services - INSPIRE View Service	Technical Guidance for the implementation of INSPIRE View Services 3.1
Regulation on INSPIRE Network Services - INSPIRE Download Service	Technical Guidance for the implementation of INSPIRE Download Services 3.0
Regulation on interoperability of spatial data sets and services	Technical Guidance on Annex I data themes (Administrative Units, Cadastral Parcels, Geographical Names, Hydrography, Protected Sites, Transport Networks, Addresses, Coordinate Reference Systems, Geographical Grid Systems) 3.0.1

ArcGIS for INSPIRE: udostępnianie danych



Transformacja źródeł danych do danych INSPIRE

- Przykład oparty na rozszerzeniu ArcGIS Data Interoperability

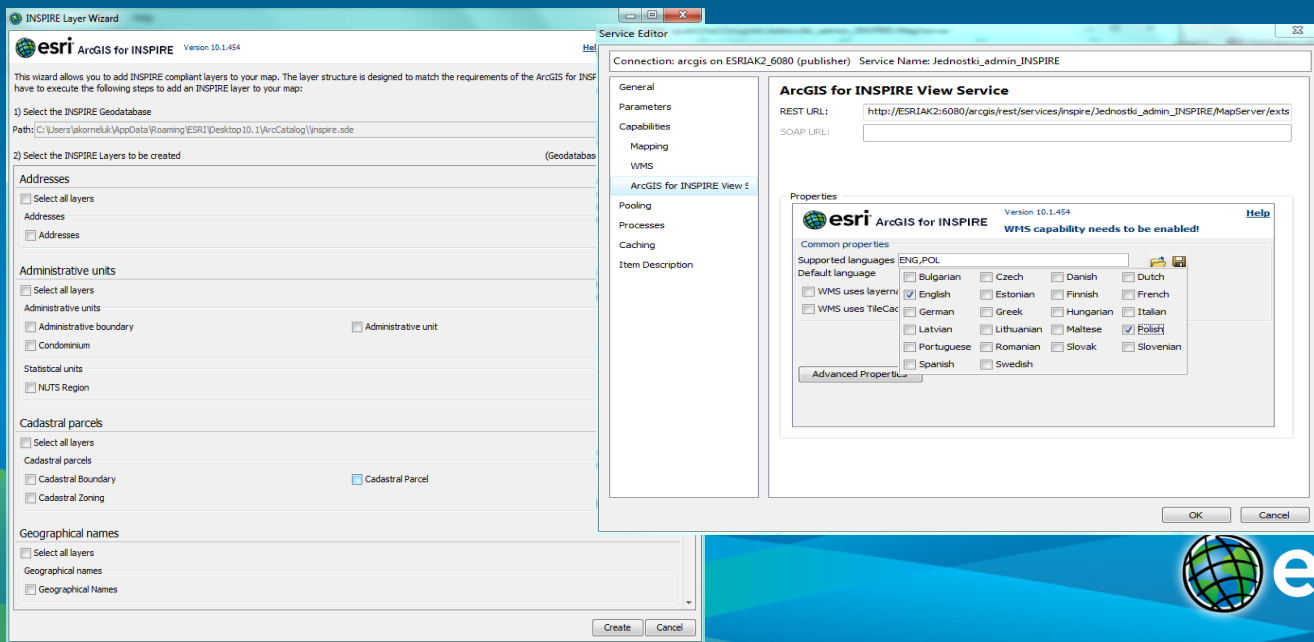
The screenshot displays two windows from the ArcGIS environment. The left window, ArcCatalog, shows a 'Catalog Tree' with the following structure:

- Folder Connections
 - Toolboxes
 - My Toolboxes
 - INSPIRE.tbx
 - inspire_AU
 - System Toolboxes
 - 3D Analyst Tools.tbx
 - Analysis Tools.tbx
 - Cartography Tools.tbx
 - Conversion Tools.tbx
 - Data Interoperability Tools.tbx
 - Data Management Tools.tbx
 - Editing Tools.tbx
 - Geocoding Tools.tbx
 - Geostatistical Analyst Tools.tbx
 - Linear Referencing Tools.tbx
 - Multidimension Tools.tbx
 - Network Analyst Tools.tbx
 - Parcel Fabric Tools.tbx
 - Schematics Tools.tbx
 - Server Tools.tbx
 - Spatial Analyst Tools.tbx
 - Spatial Statistics Tools.tbx
 - Tracking Analyst Tools.tbx
 - Database Servers
 - Database Connections
 - Add Database Connection
 - Connection to ESRIAK2.sde
 - inspire.sde
 - GIS Servers
 - Add ArcGIS Server

The right window, ArcSDE, displays a complex data flow diagram (transformer gallery) with various toolboxes and data sources. The diagram shows a flow from 'inspire_AU' through various data sources and processing steps to a final output. The diagram is divided into several colored sections: a red section at the top, a green section in the middle, and a blue section at the bottom. The flow starts with 'inspire_AU' and 'inspire.sde' and proceeds through various data sources and processing steps, including 'inspire.aneta.adAddress' and 'inspire.aneta.adAddress_comp'. The diagram also shows a 'Transformer Description' window at the bottom right.

Tworzenie kompozycji mapowej i usług INSPIRE

- Tworzenie kompozycji mapowej w aplikacji ArcMap z wykorzystaniem narzędzia „Add INSPIRE Layers”: możliwość wyboru określonego tematu danych INSPIRE i typów obiektów
- Tworzenie usług przeglądania i pobierania INSPIRE przy użyciu aplikacji ArcCatalog



Konfiguracja usług INSPIRE

- Usługa przeglądania INSPIRE

Editing the InspireView properties

Select one of the following options for defining INSPIRE View service metadata

Enter a url referencing the INSPIRE metadata record describing this INSPIRE View service

Enter all INSPIRE metadata element values, these will be exposed directly in the service capabilities document

Properties of the service

Required fields are marked yellow.

Properties	English	Polish
Title	INSPIRE View Service	INSPIRE View Service
Abstract	This service provides INSPIRE Data.	This service provides INSPIRE Data.
Common keywords	WMS,INSPIRE,ViewService,InfoMapAccess...	WMS,INSPIRE,ViewService,InfoMapAccess...
Access constraints	None	None
Fees	no conditions apply	no conditions apply
Online resource	http://ags4inspire:6080/arcgis/rest/services/inspire/JednostkiAdmin_INSPIREView/Map	
External GetFeatureInfo URL		
Authority Name		
Authority URL		
Metadata URL		
Metadata published at (YYYY-MM-DD)		
Metadata contact organisation		
Metadata contact mail		
Service created at (YYYY-MM-DD)		
Service last revised at (YYYY-MM-DD)		
Service published at (YYYY-MM-DD)	2013-05-03	
Individual temporal extent value covered by the service (YYYY-MM-DD)		
Begin of temporal extent covered by the service (YYYY-MM-DD)		
End of temporal extent covered by the service (YYYY-MM-DD)		
Degree of conformity	Conform	

```
<ExtendedCapabilities xmlns="http://inspire.ec.europa.eu/schemas/inspire_v1/1.0">
  <ResourceLocator xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">...</ResourceLocator>
  <ResourceType xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">service</ResourceType>
  <TemporalReference xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">
    <DateOfPublication>2013-03-27</DateOfPublication>
  </TemporalReference>
  <Conformity xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">
    <Specification xsi:type="inspire_common:citationInspireInteroperabilityRegulation_pol">
      <Title>...</Title>
      <DateOfPublication>2010-10-08</DateOfPublication>
      <URL>http://20101008100110102:PL:PDF:UR1</URL>
      <ResourceLocator>...</ResourceLocator>
    </Specification>
    <DegreeOfConformant/Degree>
    </DegreeOfConformant/Degree>
  </Conformity>
  <MetadataPointOfContact xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">
    <OrganizationName>Organizacja</OrganizationName>
    <EmailAddress>organizacja@gov.pl</EmailAddress>
  </MetadataPointOfContact>
  <MetadataDate xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">2013-03-28</MetadataDate>
  <SpatialDataServiceType xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">view</SpatialDataServiceType>
  <MandatoryKeyword xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">
    <KeywordValue>InfoMapAccessService</KeywordValue>
  </MandatoryKeyword>
  <Keyword xmlns="http://inspire.ec.europa.eu/schemas/common/1.0" xsi:type="inspire_common:inspireTheme_pol">
    <OriginatingControlledVocabulary>
      <Title>GENET - INSPIRE themes</Title>
      <DateOfPublication>2009-06-01</DateOfPublication>
    </OriginatingControlledVocabulary>
    <KeywordValue>Jednostki administracyjne</KeywordValue>
  </Keyword>
  <Keyword xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">...</Keyword>
  <Keyword xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">...</Keyword>
  <KeywordValue>View Service</KeywordValue>
  </Keyword>
  <Keyword xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">...</Keyword>
  <Keyword xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">...</Keyword>
  <SupportedLanguages xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">
    <DefaultLanguage>...</DefaultLanguage>
    <SupportedLanguage>...</SupportedLanguage>
  </SupportedLanguages>
  <ResponseLanguage xmlns="http://inspire.ec.europa.eu/schemas/common/1.0">
    <Language>pol</Language>
  </ResponseLanguage>
</ExtendedCapabilities>
```

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<id:StyledLayerDescriptor xmlns:ogc="http://www.opengis.net/ogc" xmlns:sld="http://www.opengis.net/sld" version="1.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.opengis.net/sld ../schema/ogc/sld/1.0.0/StyledLayerDescriptor.xsd">
  <id:NamedLayer>
    <id:Name>All Administrative Unit</id:Name>
    <id:UserStyle>
      <id:Name>inspire_common:DEFAULT</id:Name>
      <id:IsDefault>1</id:IsDefault>
      <id:FeatureTypeStyle>
        <!--<id:Description>
          <id:Title>Administrative Unit Default Style</id:Title>
          <id:Abstract>The administrative unit is rendered using a yellow (#FFFF66) fill.</id:Abstract>
        </id:Description-->
        <id:Rule>
          <id:PolygonSymbolizer>
            <id:Fill>
              <id:CmsParameter name="fill">#FFFF66</id:CmsParameter>
            </id:Fill>
            <!-- with border?
            <id:Stroke/>
          </id:PolygonSymbolizer>
        </id:Rule>
      </id:FeatureTypeStyle>
    </id>UserStyle>
  </id:NamedLayer>
</id:StyledLayerDescriptor>
```


Esri Geoportal Server

- **Metadane INSPIRE**

- **Usługa wyszukiwania INSPIRE**

- **Zarządzanie metadanymi**

- **Zarządzanie repozytoriami**

The screenshot shows the 'Create Metadata' page in the Esri Geoportal. At the top, there is a navigation bar with 'HOME', 'SEARCH', 'BROWSE', 'ADMINISTRATION', and 'LAUNCH MAP VIEWER'. Below the navigation bar, there are links for 'Manage', 'Add', and 'User'. The main heading is 'Create Metadata'. A text block explains that users select a metadata standard and click 'proceed' to complete a form. The 'On behalf of:' field is set to 'gptadmin'. Under 'Metadata standard:', there are radio buttons for various standards: FGDC, Dublin Core, North American Profile (Data), North American Profile (Services), GEMINI (Data), GEMINI (Services), INSPIRE (Data), INSPIRE (Services), and ISO 19115-2 (Imagery and Gridded Data). A 'Proceed' button is visible at the bottom. A footer note states: 'This Geoportal was built using the Geoportal Server. Please read the Disclaimer on...'

The screenshot shows the 'Manage Resources' page in the Esri Geoportal. It features a navigation bar and links for 'Manage', 'Add', and 'User'. The main heading is 'Manage Resources'. There are several input fields: 'Document title:', 'Document UUID:', 'Site UUID:', 'Document owner:' (with a dropdown menu), 'Is part of:' (with a dropdown menu), 'Approval status:' (with a dropdown menu), 'Publication method:' (with a dropdown menu), 'Protocol Type:' (with a dropdown menu), and 'Update date between:' (with two date pickers and a 'Search' button). Below the form, there is a section for 'For selected records:' with a 'Set as Posted' dropdown and an 'Execute Action' button. At the bottom, there is a table showing search results for 12 records, with columns for 'Action', 'Title', 'Owner', 'Status', 'Method', and 'Date'. The table lists several records related to 'TIGER/Line Shapefile' with various metadata and synchronization information.

The screenshot shows the 'Register Resource' page in the Esri Geoportal. It has a navigation bar and links for 'Manage', 'Add', and 'User'. The main heading is 'Register Resource'. There is a note: 'ID: Value will be generated upon saving.' and another note: 'Resource UUID: Value will be generated upon saving.' Below this, there is a 'Protocol Type:' section with radio buttons for 'URL', 'ArcGIS', 'Esri MS', 'OAI', 'WAF', 'CSW', and 'THREDDIS'. The 'CSW' option is selected. There is a 'Host Url:' field with a 'Test' button. There is also a 'Title:' field and a 'Profile:' dropdown menu set to 'GeoNetwork CSW 2.0.2 APISO'.

Esri Geoportal Server: zgodność z INSPIRE

INSPIRE Implementing Rule	Technical Guidance
Regulation on INSPIRE Network Services - INSPIRE Discovery Service	Technical Guidance for the implementation of INSPIRE Discovery Service 3.1
Regulation on INSPIRE Metadata	Technical Guidelines based on EN ISO 19115 and EN ISO 19119

Geoportal [Login](#) [Register](#) [Help](#) [About](#) [Feedback](#)

[HOME](#) [SEARCH](#) [BROWSE](#) [LAUNCH MAP VIEWER](#)

Home

The Geoportal provides easy and convenient ways to share geospatial data. All it takes is just 3 simple steps.

You can simply...

Find Data

[Search](#)

[Search Data](#)
[Download Data](#)

You can do more...

Be a User

[Create an Account](#)
[Save your Searches](#)

Share Data

[Create Metadata](#)
[Upload your Data](#)
[Publish Data](#)

Geoportal [Welcome, gCadin](#) [Logout](#) [My Profile](#) [Help](#) [About](#) [Feedback](#)

[HOME](#) [SEARCH](#) [BROWSE](#) [ADMINISTRATION](#) [LAUNCH MAP VIEWER](#)

This Geoportal was built using the Geoportal Server. Please read the [Disclaimer](#).

Search [Search](#)

My Saved Searches

Results 1-2 of 2 record(s)

[Records shown from This Site](#)
Click here to select different site or configure search.

[Expand results](#) [Zoom To Results](#) [Zoom To Searched Area](#)

[Mapa Hydrograficzna, M-34-4-C 646J Wildrew](#)

[Mapa Hydrograficzna, M-34-3-D 646J](#)


See results through REST
API: [GEOSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [CSV](#)

Additional Options

Clear

WHERE

Anywhere Intersecting Fully within

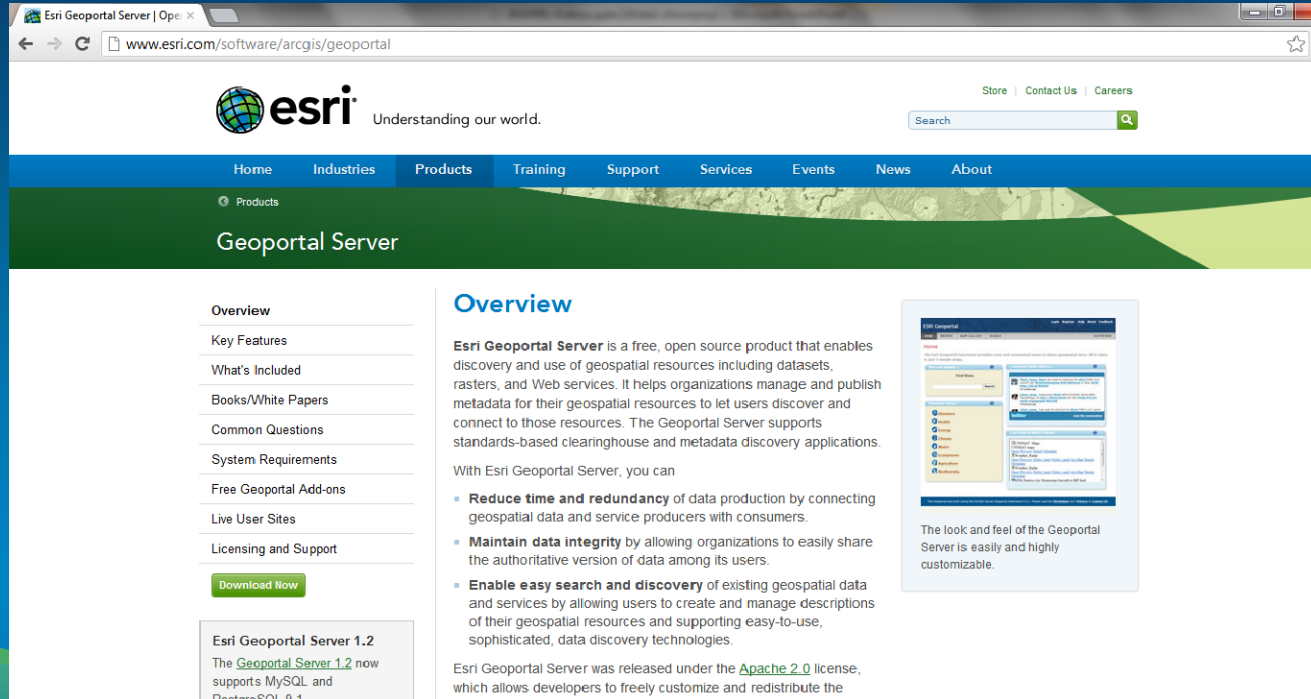


This Geoportal was built using the Geoportal Server. Please read the [Disclaimer](#) and [Privacy](#) or [Contact Us](#).

Demo

Esri Geoportal Server

Esri Geoportal Server: produkt typu open source



The screenshot shows the Esri Geoportal Server website. The browser address bar displays www.esri.com/software/arcgis/geoportal. The Esri logo and tagline "Understanding our world." are at the top left. A search bar is on the top right. A navigation menu includes Home, Industries, Products, Training, Support, Services, Events, News, and About. The "Products" menu is active, showing "Geoportal Server".

Overview

Key Features

- What's Included
- Books/White Papers
- Common Questions
- System Requirements
- Free Geoportal Add-ons
- Live User Sites
- Licensing and Support

[Download Now](#)

Esri Geoportal Server 1.2
The [Geoportal Server 1.2](#) now supports MySQL and PostgresSQL 9.1

Overview

Esri Geoportal Server is a free, open source product that enables discovery and use of geospatial resources including datasets, rasters, and Web services. It helps organizations manage and publish metadata for their geospatial resources to let users discover and connect to those resources. The Geoportal Server supports standards-based clearinghouse and metadata discovery applications.

With Esri Geoportal Server, you can

- **Reduce time and redundancy** of data production by connecting geospatial data and service producers with consumers.
- **Maintain data integrity** by allowing organizations to easily share the authoritative version of data among its users.
- **Enable easy search and discovery** of existing geospatial data and services by allowing users to create and manage descriptions of their geospatial resources and supporting easy-to-use, sophisticated, data discovery technologies.

Esri Geoportal Server was released under the [Apache 2.0](#) license, which allows developers to freely customize and redistribute the

The look and feel of the Geoportal Server is easily and highly customizable.

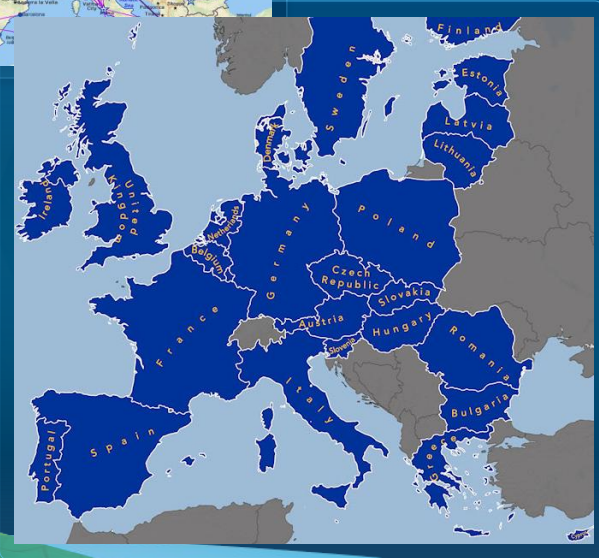
<http://www.esri.com/software/arcgis/geoportal>

<http://sourceforge.net/apps/mediawiki/geoportal>

ArcGIS for INSPIRE

Z ArcGIS for INSPIRE możesz:

- Zarządzać danymi INSPIRE
- Zarządzać metadanymi INSPIRE
- Tworzyć usługi INSPIRE
- Konfigurować usługi przeglądania i pobierania INSPIRE
- Konfigurować usługi wyszukiwania INSPIRE
- Tworzyć zbiory danych zgodne z INSPIRE, wykorzystując szablony geobazy dla tematów danych INSPIRE z I Aneksu



Dziękuję za uwagę

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