

Esri Geoportal Server

JIIIDE 2012



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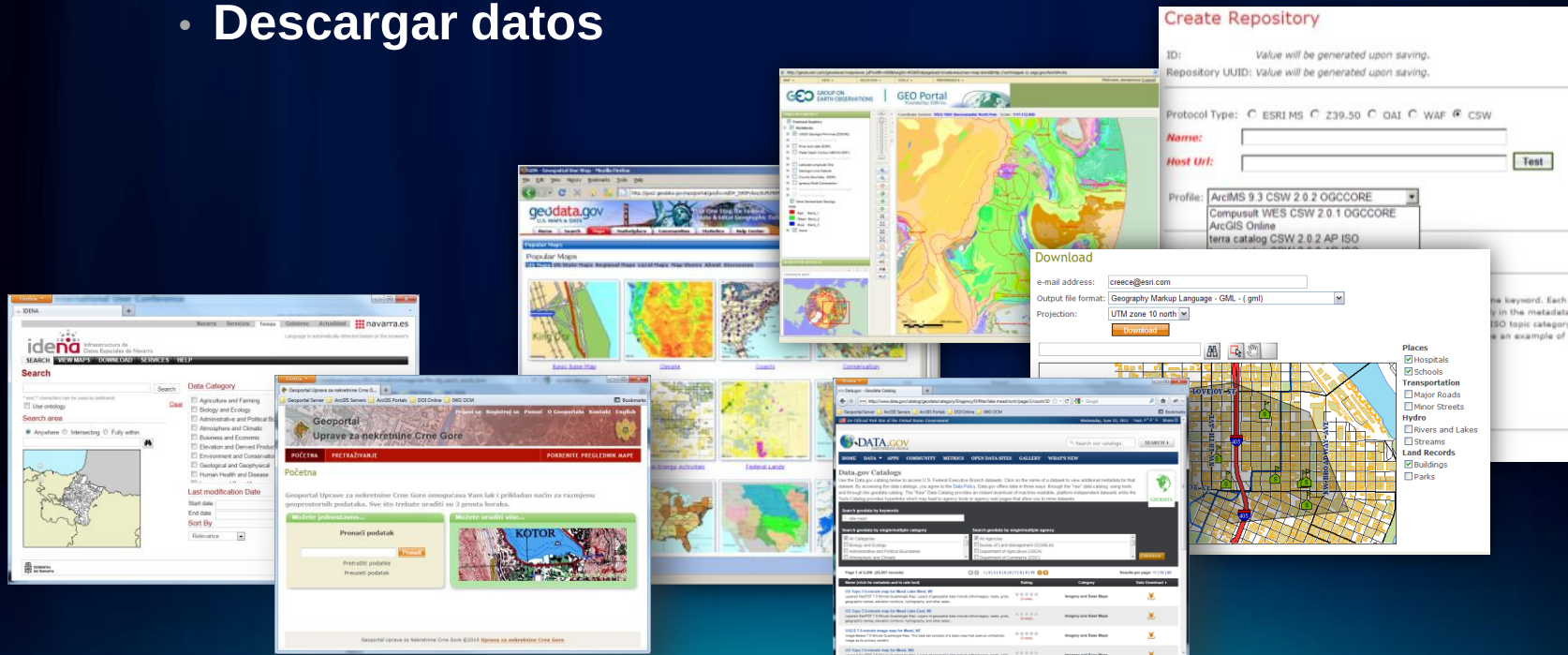
Nuevo y Familiar

- **Geoportal Extension es ahora Esri Geoportal Server**
- **Liberado bajo licencia Apache 2.0**
- **Disponible en SourceForge**
 - **Código**
 - **Documentación**
 - **Comunicados**
 - **Comunidad**
- **No requiere ArcGIS Server**

Esri Geoportal Server

Habilita la búsqueda y el uso de recursos geospaciales en entornos heterogeneos

- Buscar y visualizar recursos geospaciales
- Gestionar, publicar y almacenar metadatos
- Visualizar servicios de mapas activos
- Descargar datos



Casos de uso: “Yo quiero encontrar datos ...”

Solución:

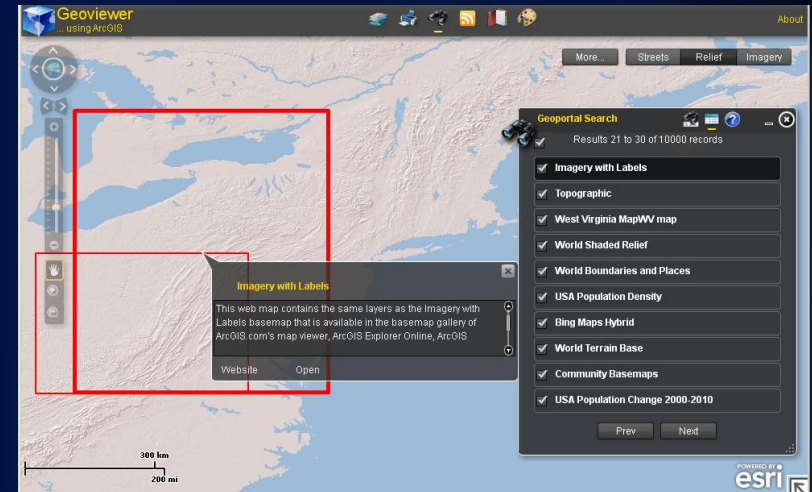
- Búsqueda de palabras simples
- Búsqueda espacial
- Búsquedas complejas
- Opciones avanzadas para expertos
- Mínima coincidencia y clasificación
- Servicios de *Thesaurus*
- Los resultados de la búsqueda son de fácil comprensión...

The screenshot displays the ArcGIS Search interface. At the top, there's a search bar with the word 'wind' entered. Below it, a map shows a world view with a red rectangle highlighting a region in the Atlantic Ocean. To the right of the map, there's a list of search results for 'wind'. The first result is 'QuickScat Wind Speed', followed by 'Global Surface Meteorology Monitoring Network', and 'NCEP Forecast'. A dropdown menu titled 'Additional Options' is open, showing a list of content types: 'Any', 'Live Map Services', 'Downloadable data', 'Offline Data', 'Static Map Images', 'Documents', 'Applications', 'Geographic services', 'Clearing Houses', 'Map Files', 'Geographic Activities', and 'Unknown'. Below the search bar, there's a section for 'hurricanes' with a search button. Underneath, it shows 'Records shown from: ArcGIS.com' and '3 Results'. The first result is 'ArcGIS.com' with '119 Results'. At the bottom, there's a section titled 'Select sites where the search will be distributed' with a list of checkboxes: 'This Site' (checked), 'ArcGIS.com' (checked), 'ArcGIS Portal', 'USGS Science Base', 'YouTube', 'National Snow and Ice Data Center', 'AidData', and 'World Bank Projects'.

Casos de uso: “Yo quiero hacer un mapa ...”

Solución:

- Previsualización de servicios:
 - Servicios de mapa de ArcGIS Server
 - Servicios de Imagen de ArcIMS
 - OGC WMS
 - GeoRSS
 - KML
- Ofrece puntos de integración de visores de mapas en diferentes plataformas
 - ArcGIS.com Viewer
 - JavaScript, Flex, Silverlight
 - ArcGIS Desktop ArcMap
 - ArcGIS Explorer
 - Java ADF



Casos de uso: “Yo quiero descargar datos ...”

Solución:

- Seleccionar área
- Seleccionar datos
- Establecer opciones
- Enlace de descarga por mail o directamente
- Basado en un servicio de geoprocесamiento
- Configurable en Python

Download

e-mail address:

Output file format:

Projection:

Places

- ☒ Hospitals
- ☒ Schools

Transportation

- ☐ Major Roads
- ☐ Minor Streets

Hydro

- ☐ Rivers and Lakes
- ☐ Streams

Land Records

- ☒ Buildings
- ☐ Parks



Casos de uso: “Yo quiero compartir mis recursos...”

Solución:

- Registrar Servidores o Servicios directamente
 - Crear metadatos *online*
 - Subir/cargar metadatos
 - Registrar servicios de catálogo para *harvesting*
 - Estándares de metadatos soportados:
 - ISO 19115/19139
 - North American Profile
 - Dublin Core
- Se pueden configurar nuevas plantillas

The image displays three overlapping screenshots of web forms from the Open Geospatial Consortium (OGC) website, illustrating the process of registering new items and uploading metadata.

Register New Item: This form is used to register a new item. It includes a dropdown for "On behalf of:" (set to "mhogeweg") and a "Level of Detail" section with radio buttons for "Simple Item Description", "Detailed Item Description", "ISO 19139/19119 Web Services", "ISO 19139/19115 Data", "North American Profile", "INSPIRE Profile to ISO", and "IEEE Standards Register". A "Proceed" button is at the bottom.

Create Repository: This form is used to create a new repository. It includes a "Protocol Type" section with radio buttons for "ESRI MS", "Z39.50", "OAI", "WAF", and "CSW" (selected). It has input fields for "Name:" and "Host Url:" with a "Test" button. A "Profile:" dropdown menu is open, showing a list of profiles including "ArdIMS 9.3 CSW 2.0.2 OGCCORE", "Computus WES CSW 2.0.1 OGCCORE", "ArcGIS Online", "terra catalog CSW 2.0.2 AP ISO", "terra catalog CSW 2.0.0 AP ISO", "EXCAT CSW 2.0.2 OGCCORE", "SRU CSW 2.0.2 Gateway to Z39.50", "IONIC CSW 2.0.0 ebRIM", "ArdIMS 9.2 CSW 2.0.1 ebRIM", "NASA CSW 2.0.2 AP ISO", "Computus WES9 CSW 2.0.0 OGCCORE", "INSPIRE CSW 2.0.2 AP ISO", "CSW 2.0.2 AP ISO", "GeoNetwork CSW 2.0.1 ebRIM", "ArdIMS 9.2 CSW 2.0.0 OGCCORE", "ArdIMS 9.3 CSW 2.0.2 OGCCORE" (highlighted), "ArcGIS Server Image Catalog", and "ArdIMS 9.1 CSW 2.0.0 OGCCORE".

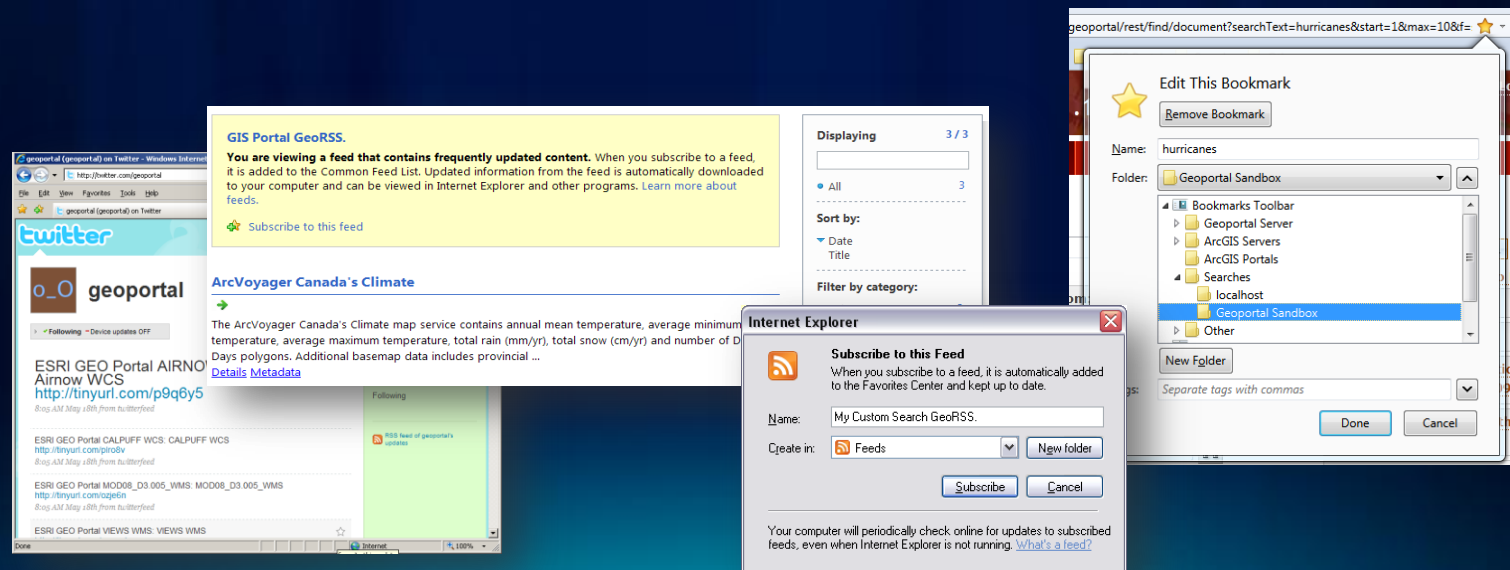
Upload Metadata: This form is used to upload metadata. It includes a "Please use the Browse button to select the metadata file from the ISO metadata standard and in Extensible Markup Language (XML) the catalog." section. It has a dropdown for "On behalf of:" (set to "mhogeweg") and a "Browse for a local file" radio button selected. It includes a "Local path:" input field and a "Browse..." button. "Upload" and "Validate" buttons are at the bottom.

Casos de uso: “Hay nuevos datos disponibles...?”

Solución:

- Criterio de búsqueda específicos del usuario
- Enlace de usuario a un servicio GeoRSS
- Subscripción del usuario a un servicio de GeoRSS
- Marcadores de búsqueda en el navegador

See results through REST API: **GEORSS** **ATOM** **HTML** **FRAGMENT** **KML**



Casos de uso: “*Está disponible mi recurso...?*”

Solución:

- Monitorización de servicios
- Verificar la implementación

- Rendimiento y escalabilidad:

<http://resources.esri.com/enterprise/ind ex.cfm?fa=performance.main>

- FGDC Service Status Checker:

<http://registry.fgdc.gov/statuschecker/>

The screenshot displays the FGDC Service Status Checker interface. At the top, a list of services is shown, including 'FireWatch WMS', 'WMS coordinator for SVC Man', 'MNP live WMS ma', 'Accessibility Test', and 'ArcVoyager Cana'. The 'Test' button for 'FireWatch WMS' is circled in red. Below this, a browser window shows the 'Service Status Checker' page for 'http://srs-mapserv.dli.wa.gov/vaui/newatch.asp?Service=WMS&Request=GetMap'. The page title is 'Service Analysis Report for 2009-07-09 2:20:09'. It includes a 'Service Information' section with a 'Service Report Card' showing a 'Valid URL' (green checkmark), 'getMap Status' (green arrow), and a 'getMap Score (0-100)' of 99.45%. The 'Registration Validation' section states 'The following test determines if the service URL is valid or invalid.' and shows a 'Registered Service' with a green checkmark and the URL 'http://srs-mapserv.dli.wa.gov/vaui/newatch.asp?Service=WMS&Request=GetMap'. The 'Test Results' section states 'The getMap is the main operation tested and scored.' and includes a table with the following data:

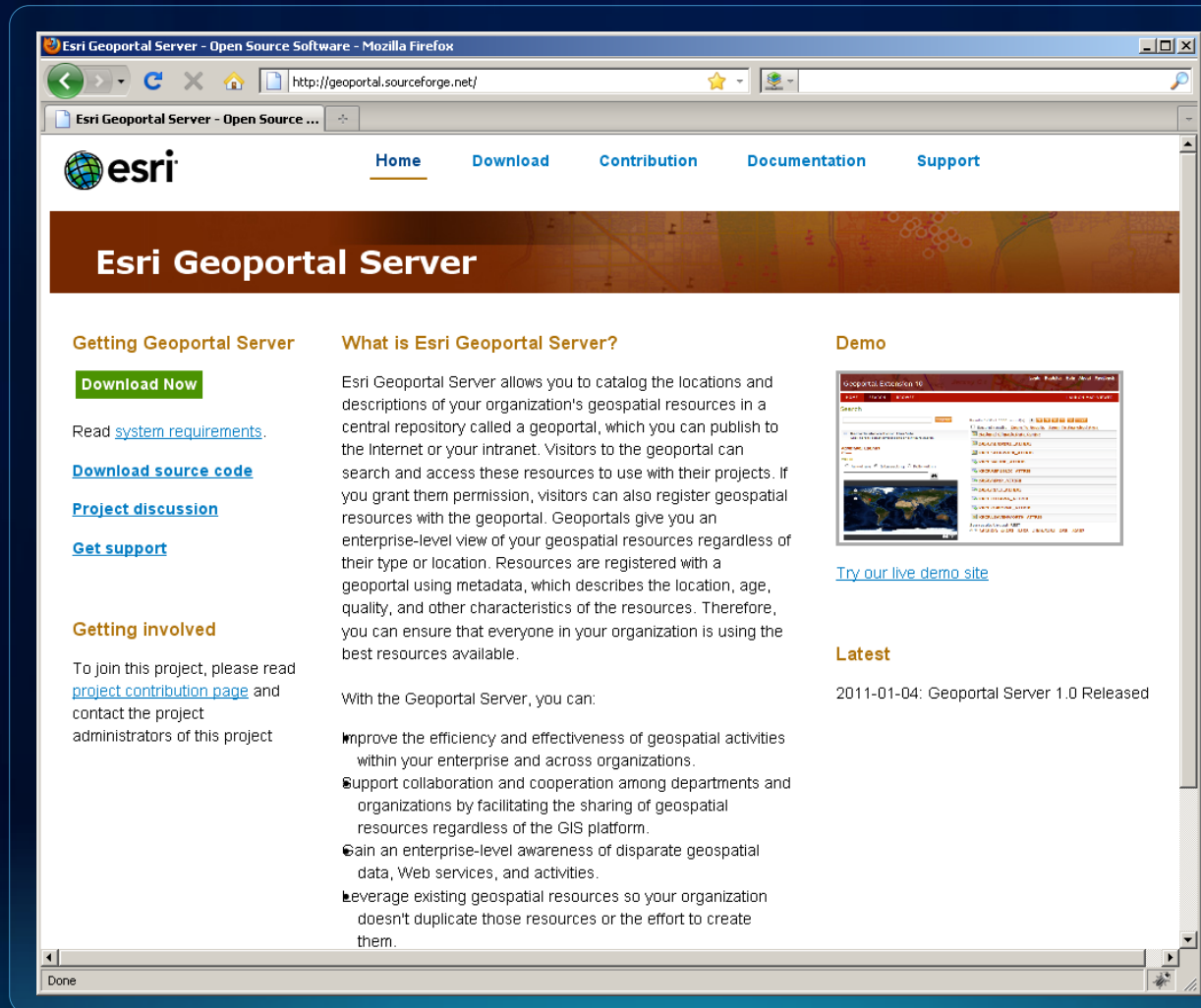
Test	Status	Response	Score (0 - 100)
getMap	↑	0.70	99.45

Below the table, a summary of tests performed is shown:

Test	Status	URL	Error
HttpServer	↑	http://srs-mapserv.dli.wa.gov.au	-
getCapabilities	↑	http://srs-mapserv.dli.wa.gov.au/newatch.asp?Service=WMS&Request=GetCapabilities	-
getMap	↑	http://srs-mapserv.dli.wa.gov.au/newatch.asp?Version=1.1.1&Request=GetMap&Service=WMS&SRS=EPSG:44:148,083,7,455&FORMAT=image/png&SR=EPSG:4326&Layers=2005_Firescans&Height=250&Width=250&Style=	-

Esri Geoportal Server

<http://esriurl.com/geoportalserver>



GEOPORTAL USA
JUNTA ANDALUCIA
IDENA
GEOIDEO

DEMO

Descubrir

Evaluar

Acceder

Descargar

Geovisualizar

Editar Metadatos

Integración de ArcGIS GeoPortal



Gracias por su atención!

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