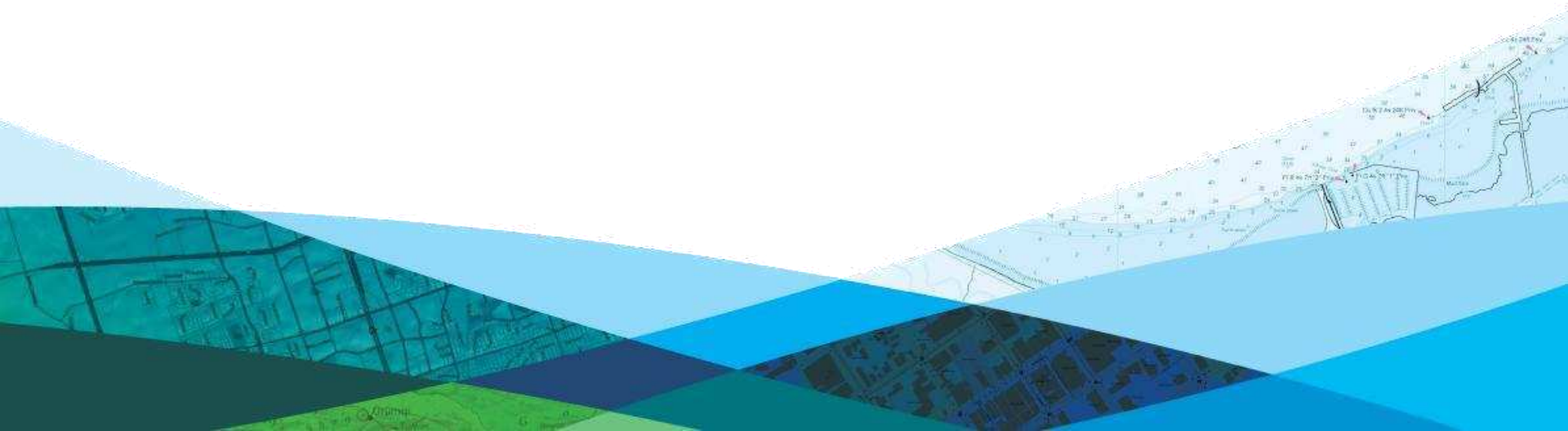


Capacidades de los Servicios OGC de ArcGIS Server

Isaac Medel

Isaac.medel@esri.es



AGENDA



- Servicios OGC soportados por ArcGIS Server



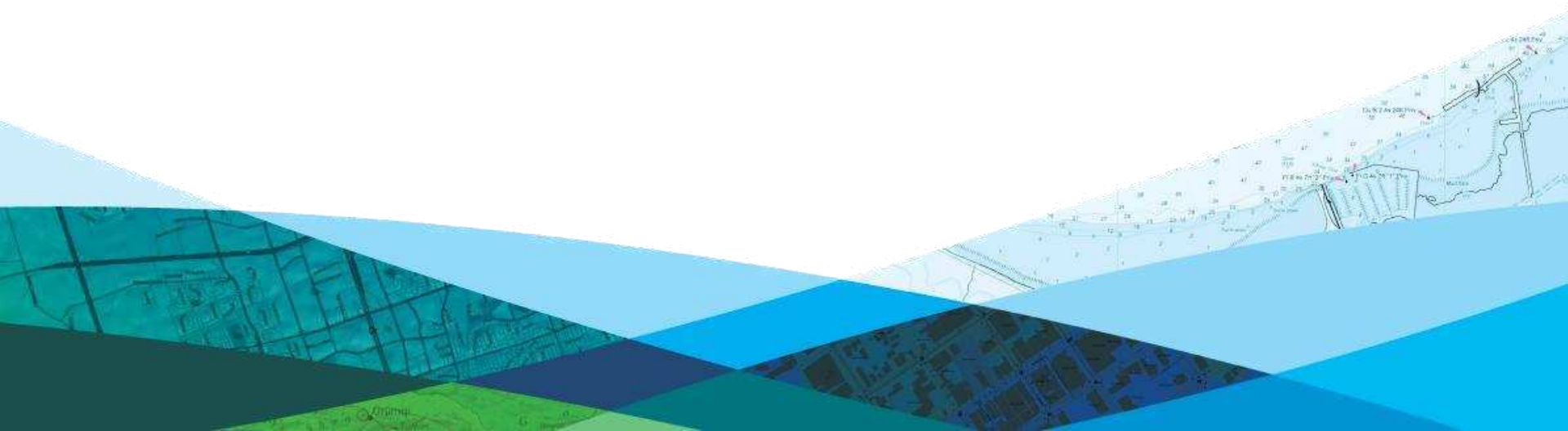
- Creación de Servicios OGC



- Implementaciones de servicios OGC de Esri

Servicios OGC soportados por ArcGIS Server

Versión 10.1



Participación de esri en organizaciones de estándares

ISO

ANSI/INCITS

IHO

OGC

OMA

FGDC

OASIS

CEN

WS-I

CSGDI

ACSM

DGIWG

ASPRS

EPSG



Participación en la OGC



- Esri
 - Miembro Principal
 - Participa activamente:
 - Comites técnicos
 - Comites de planificación
 - Junta Directiva
 - Los 3 programas OGC
 - Programa de Interoperabilidad
 - Programa de estándares
 - Alcance comunitario y Programa de adopción
- Actual presidente
 - Grupo de trabajo de metadatos
 - Grupo de trabajo de Web Map Service
- Cuenta con un miembro electo en la junta de Arquitectura OGC

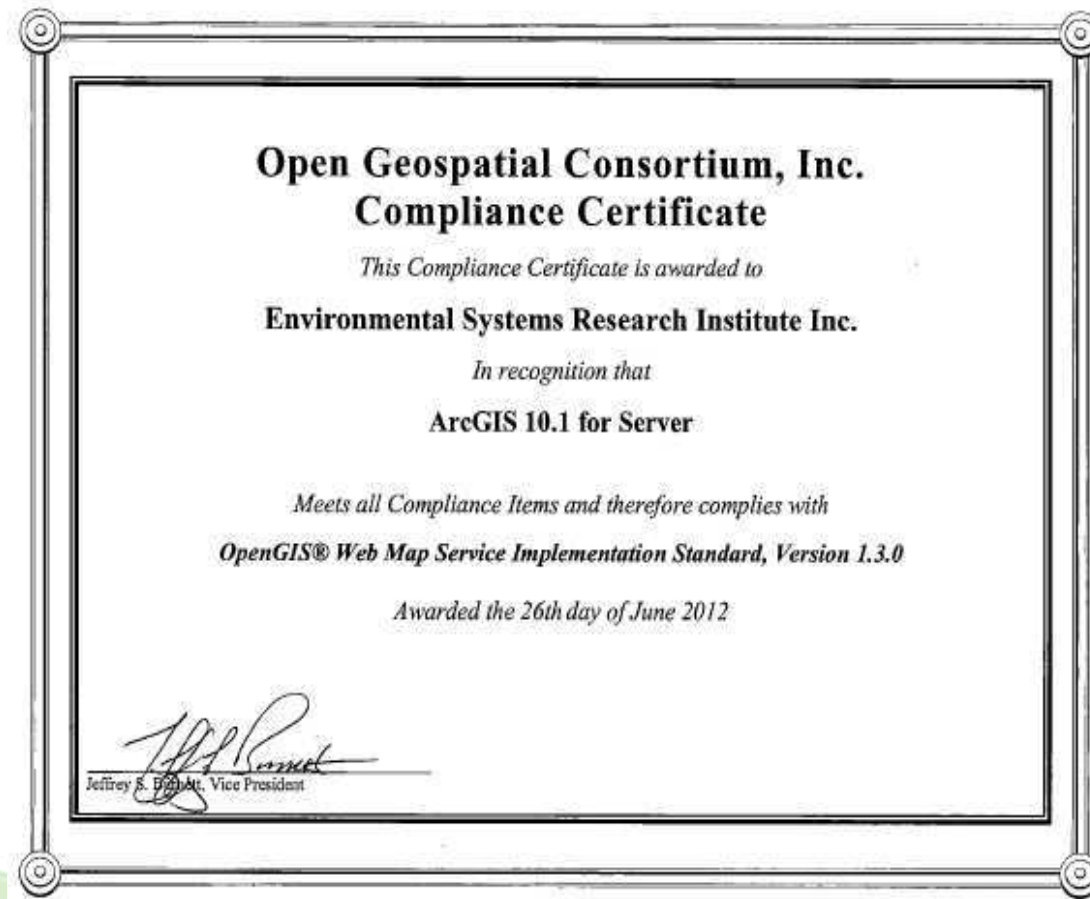
Productos Registrados de esri en la OGC

• Listado de Open Geospatial Consortium

ESRI	Top		
Product Name	Type	Contact	Date
ArcExplorer Web	Client	Sankaran, Satish	2005-01-12
* ArcGIS 8.1	Client	Sankaran, Satish	2001-06-21
ArcGIS 9.0	Client	Sankaran, Satish	2005-01-12
ArcGIS 9.2	Client	Sankaran, Satish	2008-10-24
ArcGIS 9.3	Client	Sankaran, Satish	2008-06-11
ArcGIS 10	Client	Sankaran, Satish	2010-06-30
ArcGIS 10.1	Client	Sankaran, Satish	2012-08-31
ArcGIS Data Interoperability Extension 9.0	Client	Sankaran, Satish	2005-02-25
ArcGIS Explorer	Client	Sankaran, Satish	2008-03-11
* ArcGIS for Server 10.1	Server	Sankaran, Satish	2012-06-26
* ArcGIS for Server Enterprise (ArcSDE) for DB2 10.1	Server	Sankaran, Satish	2012-06-26
* ArcGIS for Server Enterprise (ArcSDE) for Informix 10.1	Server	Sankaran, Satish	2012-06-26
* ArcGIS for Server Enterprise (ArcSDE) for Oracle 10.1	Server	Sankaran, Satish	2012-06-26
* ArcGIS for Server Enterprise (ArcSDE) for PostgreSQL 10.1	Server	Sankaran, Satish	2012-06-26
* ArcGIS for Server Enterprise (ArcSDE) for SQL Server 10.1	Server	Sankaran, Satish	2012-06-26
ArcGIS Interoperability Tool Bar Add-on 8.3	Client	Sankaran, Satish	2005-02-07
ArcGIS Server 9.0	Server	Sankaran, Satish	2005-01-12
* ArcGIS Server 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server 9.3 SP1	Server	Sankaran, Satish	2008-03-11
* ArcGIS Server 9.3	Server	Sankaran, Satish	2008-10-09
* ArcGIS Server 10.0	Server	Sankaran, Satish	2010-06-01
* ArcGIS Server Enterprise (ArcSDE) for DB2 10.0	Server	Sankaran, Satish	2010-06-01
* ArcGIS Server Enterprise (ArcSDE) for DB2 - Spatial Types and Functions 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server Enterprise (ArcSDE) for Informix 10.0	Server	Sankaran, Satish	2010-06-01
* ArcGIS Server Enterprise (ArcSDE) for Informix - Spatial Types and Function 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server Enterprise (ArcSDE) for Oracle 10.0	Server	Sankaran, Satish	2010-06-01
* ArcGIS Server Enterprise (ArcSDE) for Oracle - Binary Schema 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server Enterprise (ArcSDE) for Oracle - Spatial Types and Functions 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server Enterprise (ArcSDE) for PostgreSQL 10.0	Server	Sankaran, Satish	2010-06-01
* ArcGIS Server Enterprise (ArcSDE) for PostgreSQL - Spatial Types and Functi 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server Enterprise (ArcSDE) for SQL Server 10.0	Server	Sankaran, Satish	2010-06-01
* ArcGIS Server Enterprise (ArcSDE) for SQL Server - Binary Schema 9.3.1	Server	Sankaran, Satish	2009-07-01
* ArcGIS Server Enterprise: DB2 - Spatial Types and Functions 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server Enterprise: Informix - Spatial Types and Functions 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server Enterprise: Oracle - Binary Schema 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server Enterprise: Oracle - Spatial Types and Functions 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server Enterprise: SQL - Binary Schema 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server Enterprise: SQL Server Express - Binary Schema 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server for DB2 9.3	Server	Sankaran, Satish	2008-10-01

* ArcGIS Server Enterprise: SQL - Binary Schema 9.2	Server	Sankaran, Satish	2006-10-24
* ArcGIS Server for DB2 9.3	Server	Sankaran, Satish	2008-10-01
* ArcGIS Server Geoportal Extension 9.3.1	Server and Client	Sankaran, Satish	2009-07-01
* ArcGIS Server Geoportal Extension 10.0	Server	Sankaran, Satish	2010-06-01
ArcIMS 3.0	Server	Sankaran, Satish	2000-10-10
ArcIMS 4.0	Server	Sankaran, Satish	2002-10-29
ArcIMS 4.0.4.0.1	Server	Sankaran, Satish	2005-02-07
ArcIMS 4.0.4.0.1	Server and Client	Sankaran, Satish	2005-02-07
* ArcIMS 9.0	Server	Sankaran, Satish	2005-08-25
ArcIMS 9.0.9.1	Server	Sankaran, Satish	2006-01-26
* ArcIMS 9.1	Server and Client	Sankaran, Satish	2005-08-25
* ArcIMS 9.1 SP1	Server	Sankaran, Satish	2005-11-01
* ArcIMS 9.2	Server	Sankaran, Satish	2006-10-24
* ArcIMS 9.3	Server	Sankaran, Satish	2008-10-01
ArcIMS Data Delivery Extension 9.0	Server	Sankaran, Satish	2005-01-12
ArcIMS Metadata server 4.0.4.0.1	Server and Client	Sankaran, Satish	2005-01-12
ArcIMS Metadata Server 9.0	Server and Client	Sankaran, Satish	2005-01-12
* ArcSDE for DB2 8.1	Server and Client	Sankaran, Satish	2001-06-21
* ArcSDE for DB2 9.0	Server	Sankaran, Satish	2005-08-22
* ArcSDE for DB2 9.1	Server	Sankaran, Satish	2005-08-22
* ArcSDE for Informix 8.1	Server and Client	Sankaran, Satish	2001-06-21
* ArcSDE for Informix 9.0	Server	Sankaran, Satish	2005-08-22
* ArcSDE for Informix 9.1	Server	Sankaran, Satish	2005-08-22
* ArcSDE for Informix 9.3	Server	Sankaran, Satish	2008-03-11
* ArcSDE for Oracle 9.0	Server	Sankaran, Satish	2005-08-22
* ArcSDE for Oracle 9.1	Server	Sankaran, Satish	2005-08-22
* ArcSDE for Oracle 9.3	Server	Sankaran, Satish	2008-10-01
* ArcSDE for Postgres 9.3	Server	Sankaran, Satish	2008-10-01
* ArcSDE for SQL Server 9.0	Server	Sankaran, Satish	2005-08-22
* ArcSDE for SQL Server 9.1	Server	Sankaran, Satish	2005-08-22
* ArcSDE for SQL Server 9.3	Server	Sankaran, Satish	2008-10-01
ArcWeb Services 2006	Server	Sankaran, Satish	2005-12-15
Esri Geoportal Server	Server	Sankaran, Satish	2010-11-15
* Esri Geoportal Server 1.2.2	Server	Sankaran, Satish	2012-06-26
GIS Portal Tool Kit 2.0	Server and Client	Sankaran, Satish	2004-11-01
GIS Portal Tool Kit 9.3	Server and Client	Sankaran, Satish	2008-12-09
GIS Portal Toolkit 3.1	Server and Client	Sankaran, Satish	2008-06-11
* Spatial Database Engine for DB2 Datajoiner 3.0.2	Client	Sankaran, Satish	1999-12-23
* Spatial Database Engine for Informix 3.0.2	Client	Sankaran, Satish	1999-12-23
* Spatial Database Engine for Oracle 3.0.2	Client	Sankaran, Satish	1999-12-23

ArcGIS 10.1 – OGC Compliance



Compliance Certificates
available for

WMS

WFS

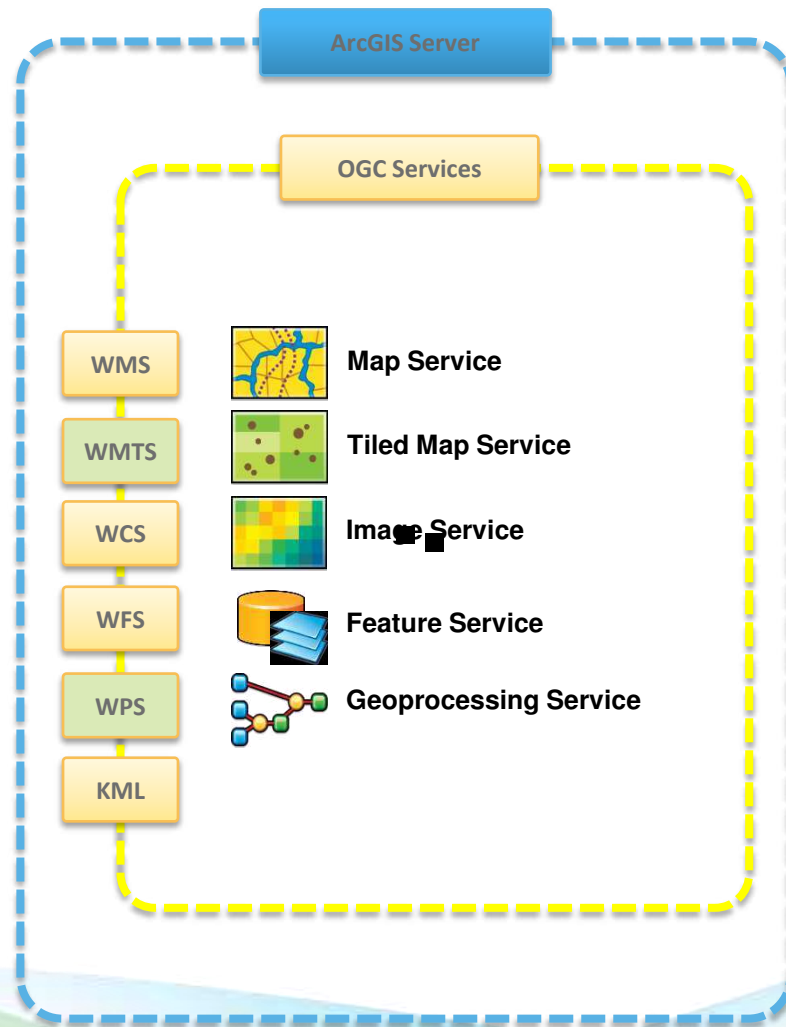
WCS

CS-W

Simple Features

<http://www.opengeospatial.org/resource/products/compliant#ESRI>

Soporte OGC en ArcGIS Server



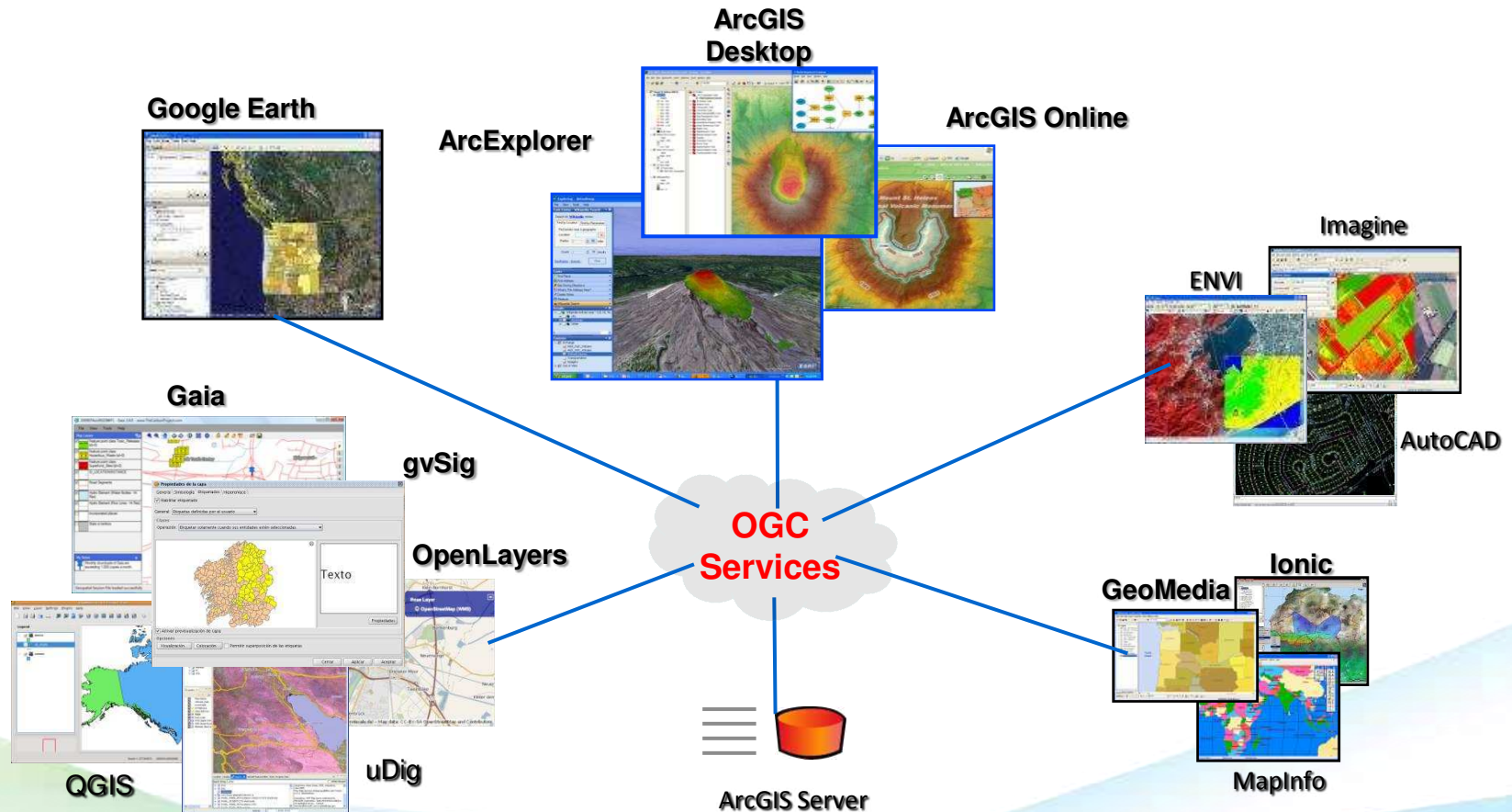
WMTS y WPS – Novedad en 10.1

Estándares soportados de OGC / ISO (ArcGIS 10.1)

- WMS
 - + SLD
 - + *Filter Encoding Support*
 - + *Time Support*
- WFS
 - + *Transactions*
 - + *Filter Encoding Support*
- WCS
 - + GeoTiff, NITF, HDF, JPEG, JPEG2000, PNG
- WMTS
 - + *REST & KVP Encoding*
- WPS
 - + *Synchronous*
 - + *Asynchronous*
 - + *Data and Services as inputs*
- CSW
 - + OGC Core
 - + ISO 19139
 - + ebRIM

<http://www.esri.com/library/whitepapers/pdfs/supported-ogc-iso-standards.pdf>

ArcGIS Server – Sistema Abierto e Interoperable



REST

AGENDA



- Servicios OGC soportados por ArcGIS Server



- Creación de Servicios OGC

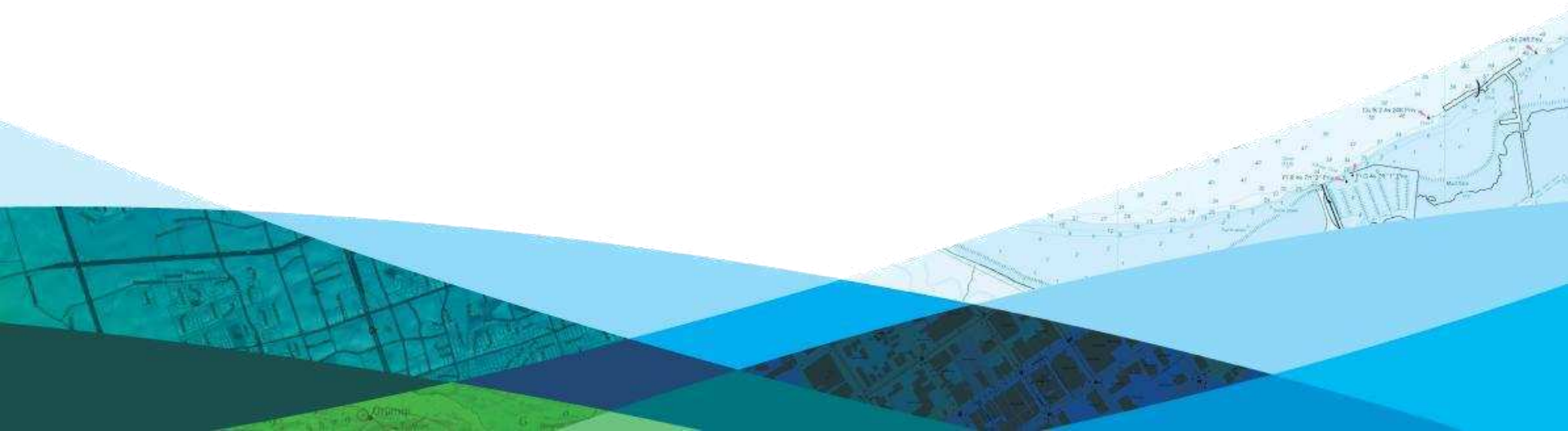


- Implementaciones de servicios OGC de Esri

Creación de Servicios OGC

Flujo de creación simplificado.

Metodologías.



AGENDA



- Servicios OGC soportados por ArcGIS Server



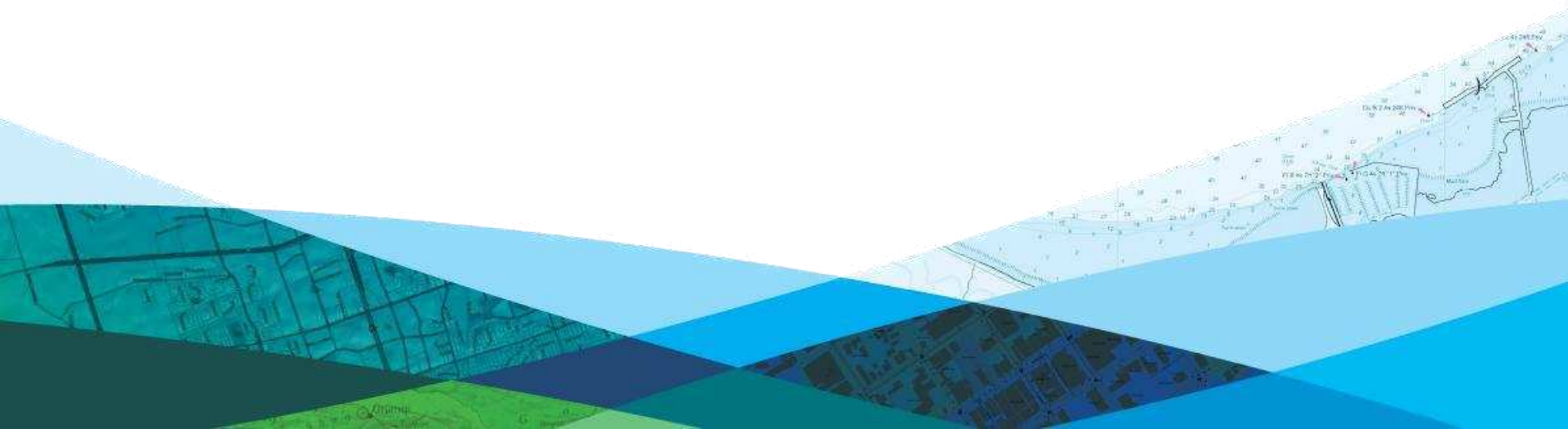
- Creación de Servicios OGC



- Implementaciones de servicios OGC de Esri

Implementaciones de servicios OGC creados con tecnología esri

Ejemplos de servicios OGC de esri



Servicios OGC de IDEs creadas con tecnología esri

- IDERM, IDE de la Región de Murcia
 - <http://iderm.imida.es/cartomur/>
- Confederación hidrográfica miño-sil
 - <http://siams.chminosil.es/web/guest/servicios-ogc>
- IDENA
 - <http://idena.navarra.es/busquedas/?lang=>
- Otras

Piloto para la Junta de Andalucía.

The screenshot shows the 'ARCGIS FOR INSPIRE' web application interface. At the top, there is a header with the logo of the Junta de Andalucía and the text 'ARCGIS FOR INSPIRE' and 'CONSEJERÍA DE MEDIO AMBIENTE'. Navigation links include 'Iniciar sesión', 'Registrar', 'Ayuda', and 'Acerca de'. Below the header, there is a secondary navigation bar with 'INICIO', 'BUSCAR', 'VISUALIZADOR', and 'DESCARGAS'. The main content area is divided into several sections:

- Búsqueda de información:** A section with the heading 'Encontrar datos' and a search input field with a 'Buscar' button.
- Cómo usar ArcGIS for INSPIRE:** A section with three sub-sections: 'Búsqueda ...', 'Visualización ...', and 'Descarga ...'. Each sub-section contains a video player with a play button and a 'YouTube 0:40' label.
- Enlaces de interés:** A section with three columns, each containing a logo and text: 'INSPIRE' (with a globe logo), 'IDEE' (with a blue circular logo), and 'REDIAM' (with a green logo and the text 'CONSEJERÍA DE AGRICULTURA, PESCA Y MEDIO AMBIENTE').

At the bottom of the page, there is a footer with the text: 'Lea las páginas [Cláusula de protección](#) y [Privacidad](#) o [Comuníquese con nosotros](#).'

- [Validación del Servicios WMS conforme a INSPIRE](#)

