



GT de la IDEE

Reunión 13 de Diciembre 2022

OGC API

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Solution Engineer AAPP



Visión de ArcGIS

Un Sistema geoespacial integral que apoya a múltiples comunidades

Gestión de la información

Cartografiar
y Visualizar

Análisis espacial
y Ciencia de Datos

Infraestructura
Geoespacial

Servicios de cartografía
y localización

Análisis

Imágenes

Desarrolladores

Open

Software, SaaS and PaaS

GIS

ArcGIS



Estándares en todo el Sistema ArcGIS

DOMAIN DATA MODELS

INSPIRE
FGDC
ISO LADM, ...
IHO S-57 / S-100 series
NENA
...

METADATA

FGDC CSDGM
ISO 19115 / 19139
INSPIRE
North Am. Profile
Dublin Core
...

WEB SERVICES/APIs

GeoServices REST
OGC WFS, WMS, WMTS
OGC API Features, Tiles,
Records...
I3S
...

SECURITY

Data Sovereignty
Trust
Identity
GAIA X

ENCODINGS

JSON
XML
GML
RDF

CATALOG & SEARCH

DCAT
DCAT-AP
SEO practices
CSW

ACCESSIBILITY

WCAG
W3C



Data & Metadata



Web Services &
Metadata



Work with
Partners



Open &
Private Data



Hub Sites &
Catalog



Maps &
Apps

producir



publicar



colaborar



compartir



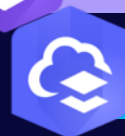
usar (& reutilizar)



ArcGIS Pro



ArcGIS Enterprise



ArcGIS Online



ArcGIS Hub Basic



ArcGIS Hub Premium

Servicios Interoperables

Utilizar las normas abiertas y las normas de facto en paralelo para lograr la máxima interoperabilidad - UN GGIM

Geoservices REST (Esri ArcGIS Services)

- Map Service, Feature Service, GP Service, Image Service

GeoServices

GeoServices is a REST-based application programming interface that provides developers consistent and complete access to structured data.

Using the API, developers can query data using a SQL-like where clause, geospatial and time filters, perform aggregations, sorting, text search, and spatial projection. Data are available in common [JSON](query.html) and [Image](view.html) formats.

Originally developed by Esri, in 2010 the specification was transferred to the [Open Web Foundation](#).

To learn even more about all of the capabilities of GeoServices, read the [full API documentation](#).

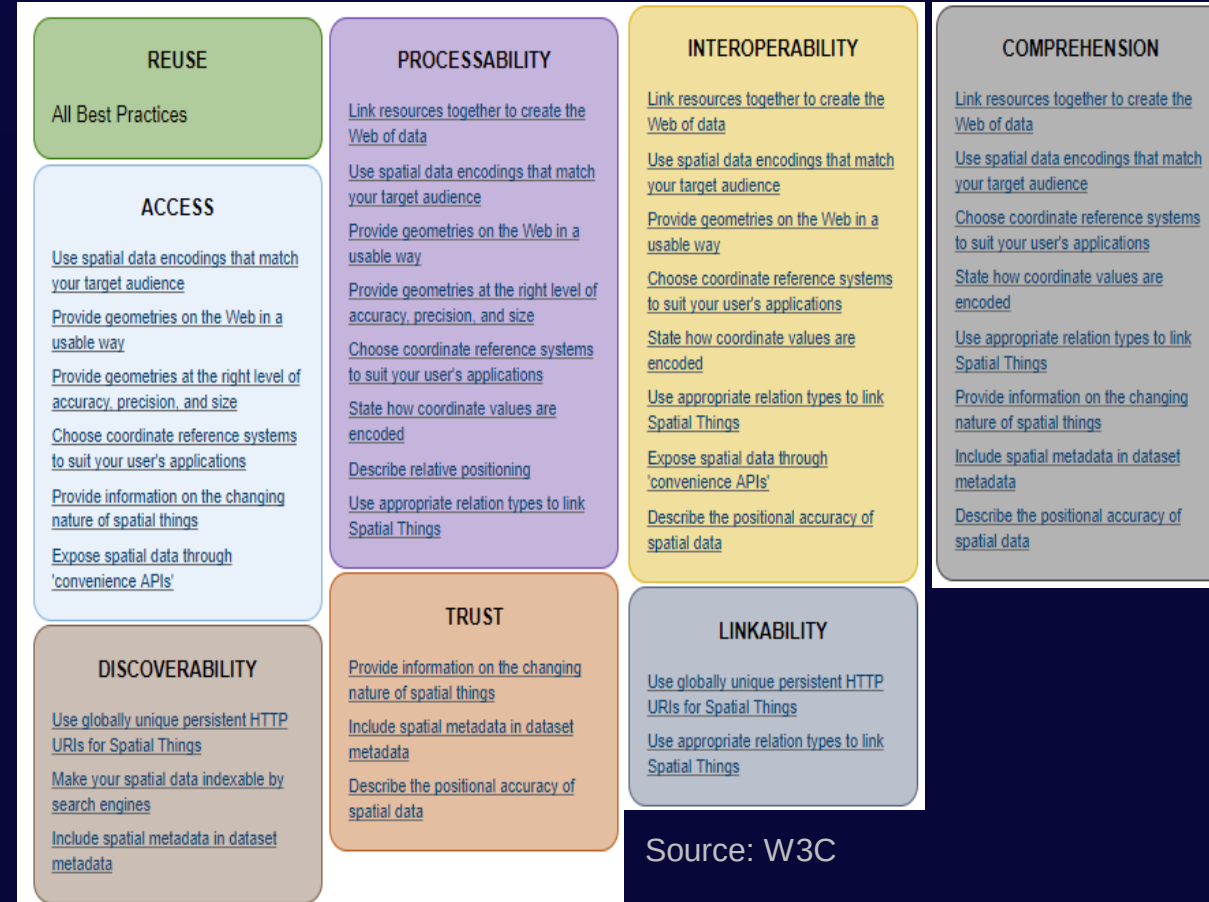
GeoServices REST (Sept 2010)

Open Geospatial Consortium (OGC) Services

WMS , WFS, WCS, WMTS, WPS, .CS-W ...

OGC API - Maps, OGC API -Tiles, OGC API –

Features, OGC API-Records, ...



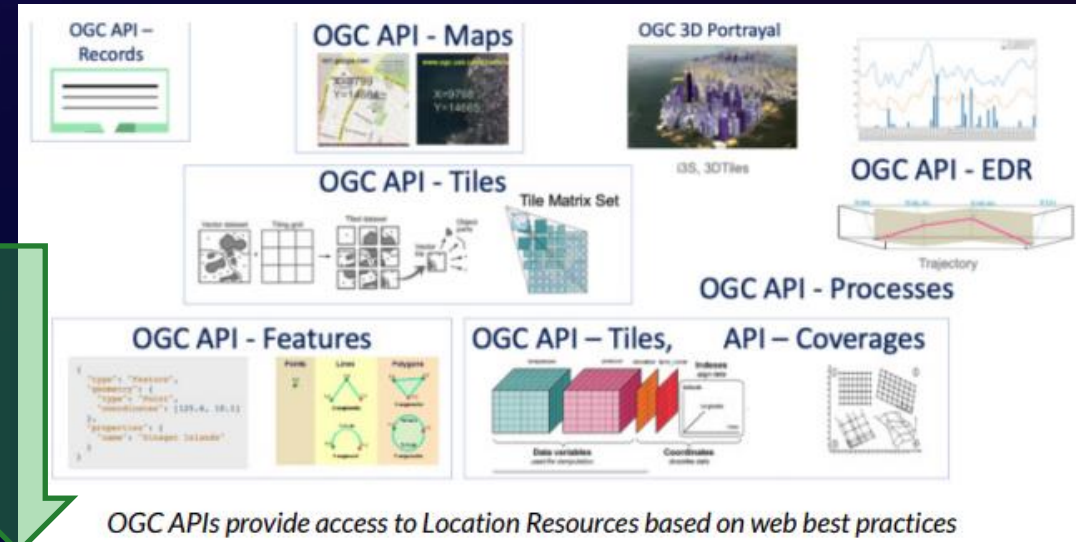
OGC APIs

Developer Friendly, Web Friendly

OGC API – Features

ArcGIS Online ✓
ArcGIS Javascript API ✓
ArcGIS Runtime ✓
ArcGIS PRO ✓

ArcGIS Enterprise 11.0

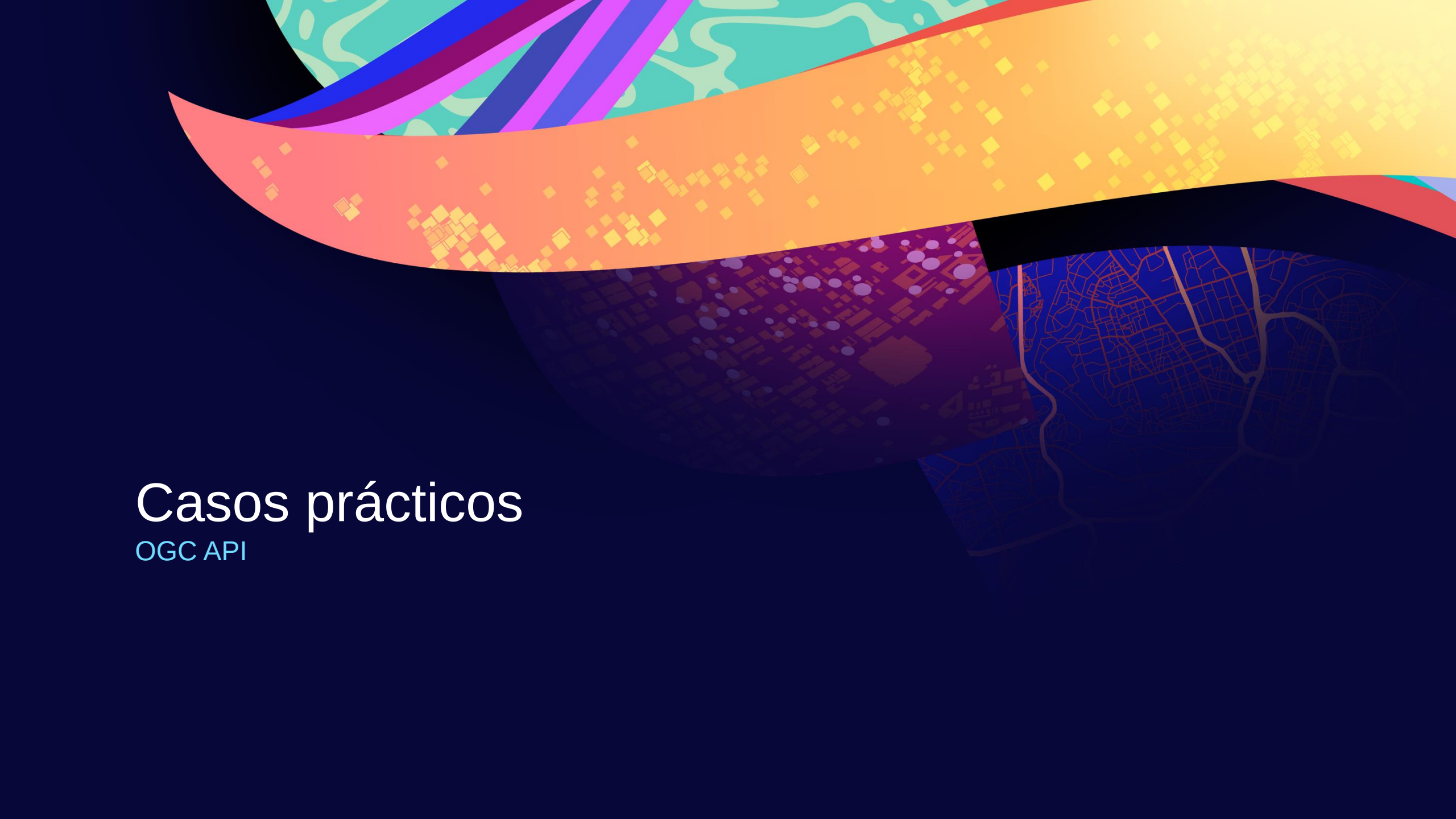


2020, 2021, 2022, ...

OGC	OGC API - Features - Part 1: Core	17-069
OGC	OGC API - Features - Part 2: Coordinate Reference System by Reference	18-058
OGC	OGC API - Features - Part 3: Filtering and the Common Query Language (CQL)	19-079
OGC	OGC API - Features - Part 4: Create, Replace, Update and Delete	20-002
OGC	OGC API - Features - Part 5: OpenAPI 3.1	

- <https://ogcapi.ogc.org/>
- <https://ogcapi.ogc.org/apiroadmap.html>

*We provide flexible, configurable, customizable, scalable, and easily deployable technology...
...based on open standards and specifications*

The background features a dark blue field with several overlapping, wavy, translucent bands in shades of orange, yellow, and purple. These bands are decorated with a pattern of small, glowing yellow squares. Below the bands, there are faint, stylized map patterns in purple and blue, including a grid of streets and a network of lines resembling a river or road system.

Casos prácticos

OGC API

🔍 Find page...

- > Analysis
- > Augmented reality
- > Data
- > Geometry
- > Geoprocessing
- > GraphicsOverlay
- > Hydrography
- ▼ Layers
 - Add an integrated mesh layer
 - Add a point scene layer
 - Apply mosaic rule to rasters
 - ArcGIS map image layer
 - ArcGIS tiled layer
 - ArcGIS vector tiled layer URL
 - Browse OGC API feature service
 - Browse WFS layers
 - Blend renderer
 - Control annotation sublayer visibility
 - Stretch renderer
 - Map image layer sublayer visibility
 - Create and save KML file
 - Feature collection layer
 - Display annotation

Browse OGC API feature service

View in WPF WinUI UWP Forms iOS **Android** View on GitHub 📄

Browse an OGC API feature service for layers and add them to the map.

LOAD SERVICE

CHOOSE A LAYER



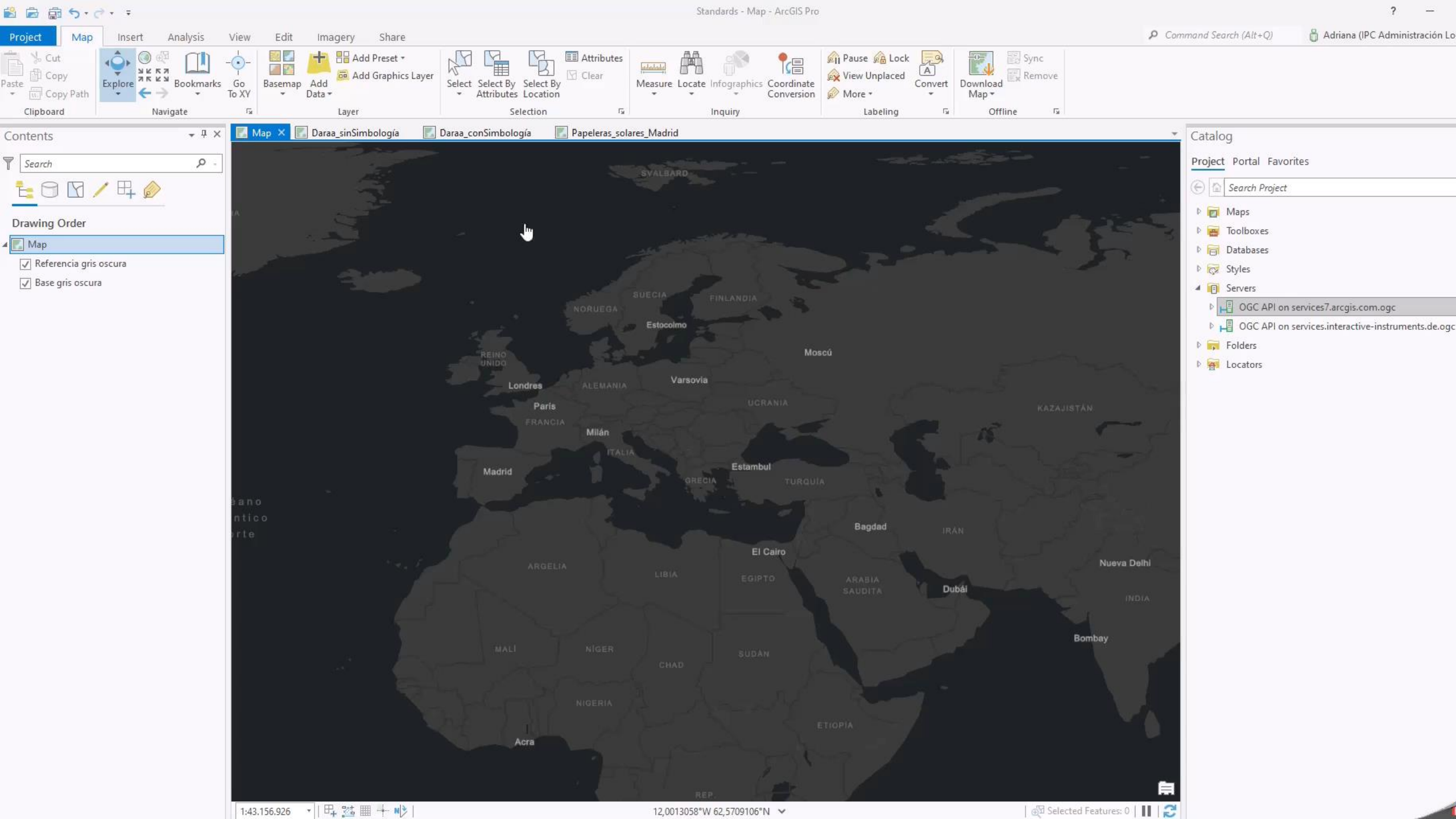
KADDB, Esri, © OpenStreetMap contribut... Powered by Esri

On this page

- Use case
- How to use the sample
- How it works
- Relevant API
- About the data
- Additional information
- Tags
- Sample code

Was this page helpful?

👍 Yes 🗑 No



Contenido - Mi contenido

Provincias - Información general

ipcadmonlocal.maps.arcgis.com/home/content.html?view=table&sortOrder=desc&sortField=modified&folder=4a2ffe7805194a389179ac19e8597536#content

Inicio

Galería

Mapa

Escena

Notebook

Grupos

Contenido

Organización

Adriana Rangel

adriana.rangel_AdminLo...

Contenido

Mi contenido

Mis favoritos

Mis grupos

Mi organización

Living Atlas

Nuevo elemento

Crear aplicación

Buscar OGC_API

Tabla

Fecha de modificación

Filtro

Carpetas

Filtrar carpetas

MAPAMA

Medio Ambiente

MITECO

OGC_API

Piloto_RelojAuristico

Presentaciones

Report Templates

Se han seleccionado 1

Borrar selección

Categorizar

Mover

Cambiar Propietario

Compartir

Eliminar

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Provincias

Feature Layer (alojado)

26 oct 2022

Provincias

Service Definition

26 oct 2022

Filtros

Categorías

Direcciones

Unidades administrativas (1)

Parcelas catastrales

Sistemas de coordenadas de

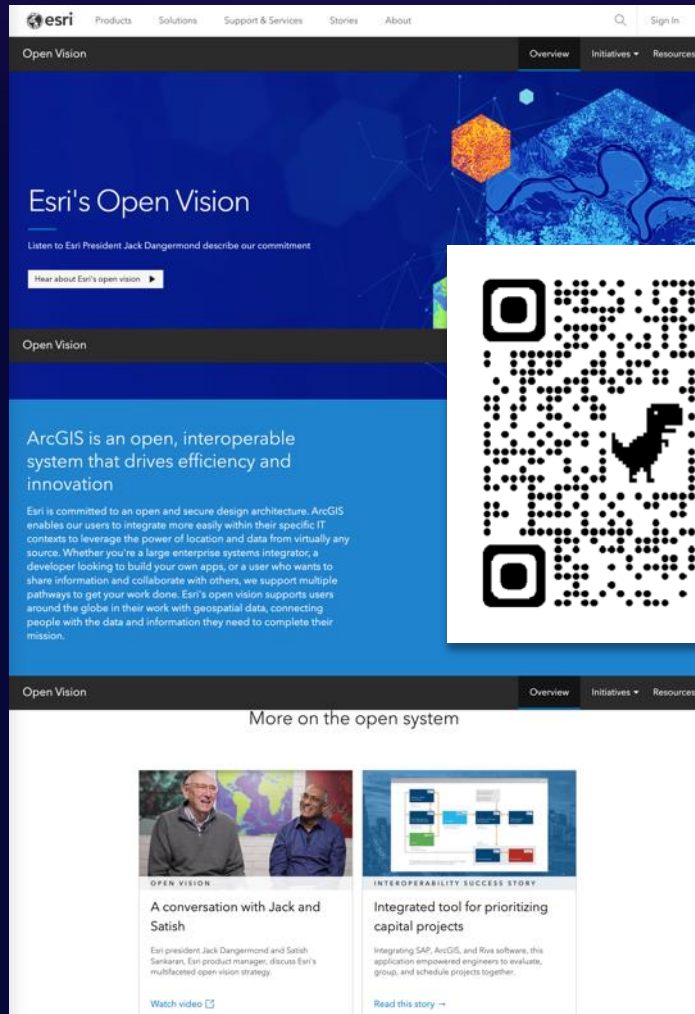
Open Vision

De lo local a lo global...

*El **uso compartido**, la **colaboración**,
y la **interoperabilidad** son cruciales
para abordar los desafíos actuales con
urgencia.*

Los sistemas abiertos, accesibles e interoperables impulsan la eficiencia y la innovación.

Open Vision & Geospatial Infrastructure Resources



<https://www.esri.com/en-us/arcgis/open-vision>



<https://www.esri.com/en-us/arcgis/integrated-geospatial-infrastructure>



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¡Gracias!



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WHERE[®]