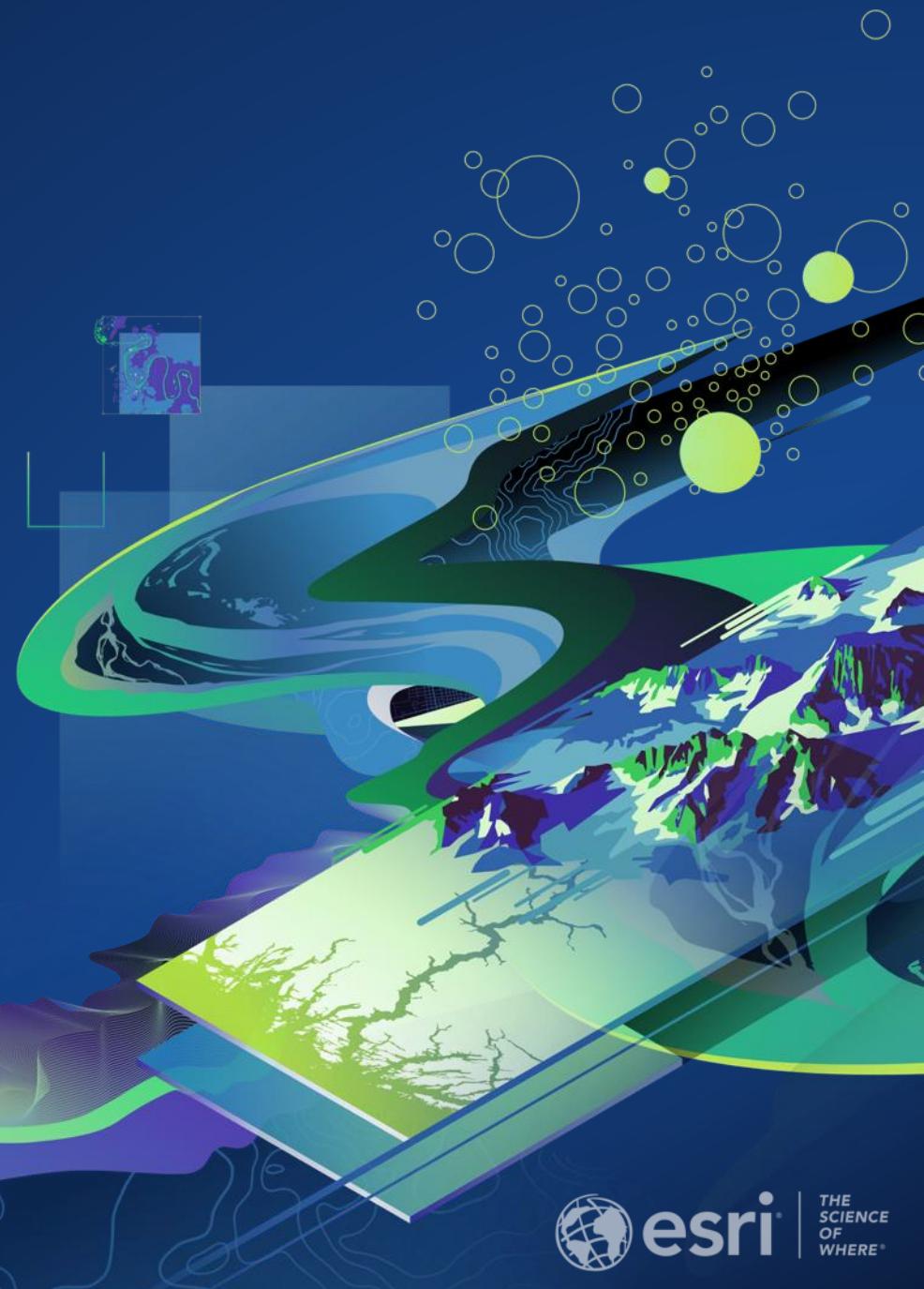


Consumo y publicación de datos con la nueva generación OGC API - Features

Adriana Rangel
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Geospatial Infrastructure, IDE, INSPIRE
Open Data & SmartCities



¿Qué es la infraestructura geoespacial?



La infraestructura Geoespacial es un habilitador tecnológico del ecosistema digital

La infraestructura geoespacial está emergiendo rápidamente

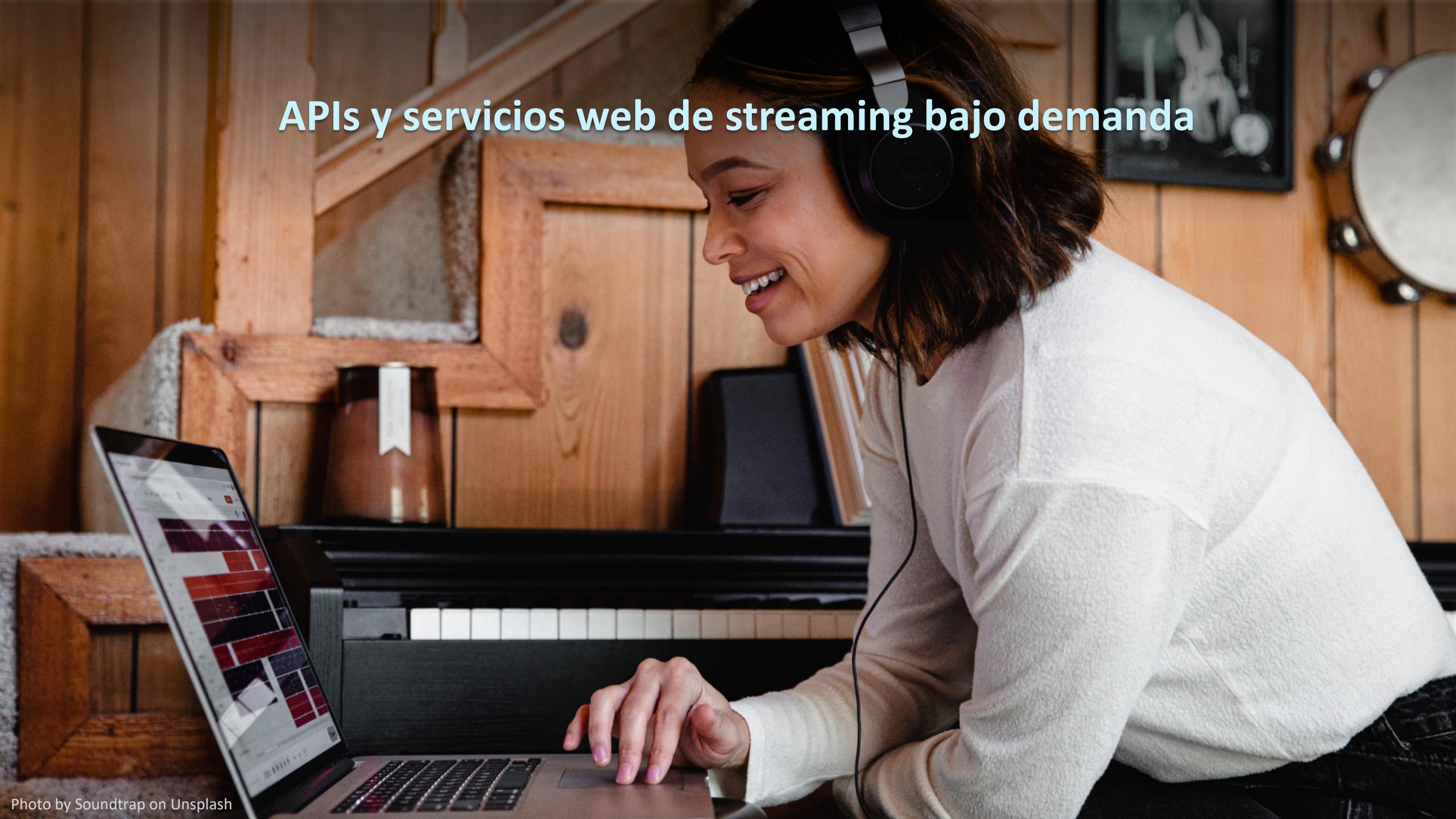
Conectando organizaciones a través de fronteras, jurisdicciones y sectores



Apoyando los principios de FAIR
Accesible, intercambiable, interoperable y reutilizable



APIs y servicios web de streaming bajo demanda



Una plataforma abierta es esencial

Iniciativas y oportunidades que evolucionan, se expanden y dinamizan el mercado

Infraestructura geoespacial integrada e IDE

Green Deal

Horizonte 2020

Directiva sobre datos abiertos

Conjuntos de datos de alto valor

GEO / GEOSS

GAIA-X

Espacios de datos

Gemelos digitales

ODS

Marco integrado de información geoespacial (IGIF)

Infraestructura de conocimiento geoespacial (GKI)

INSPIRE

Open Data

Infraestructura Nacional de Datos Espaciales

Estrategia Europea de Datos

Standards Support

OGC

IHO

ISO

OGC APIs

Web Services

INSPIRE

DCAT-AP

Estándares de dominio/industria

Servicios federados

Catálogos federados

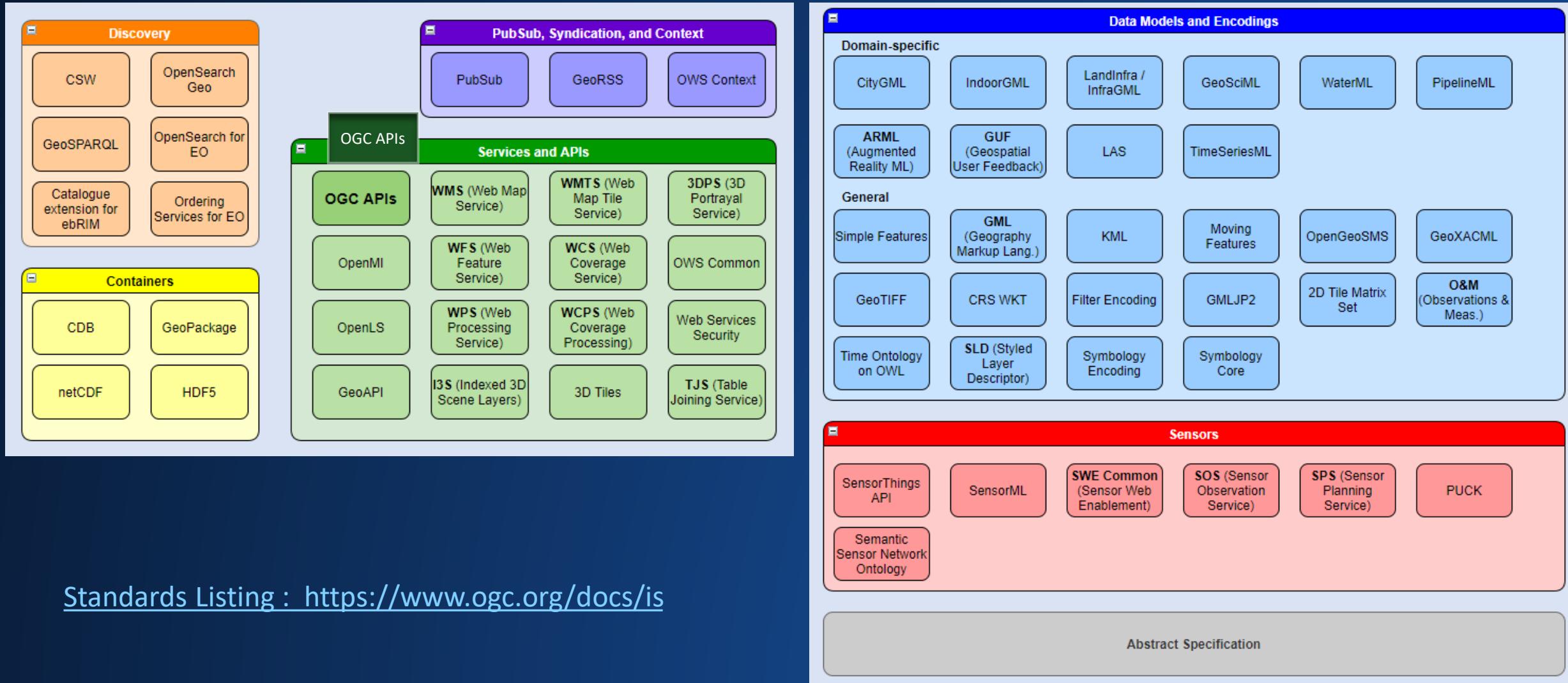
Principios de datos FAIR

Datos Abiertos

Ciencia Abierta

Metadatos y búsqueda

Panorama de estándares OGC

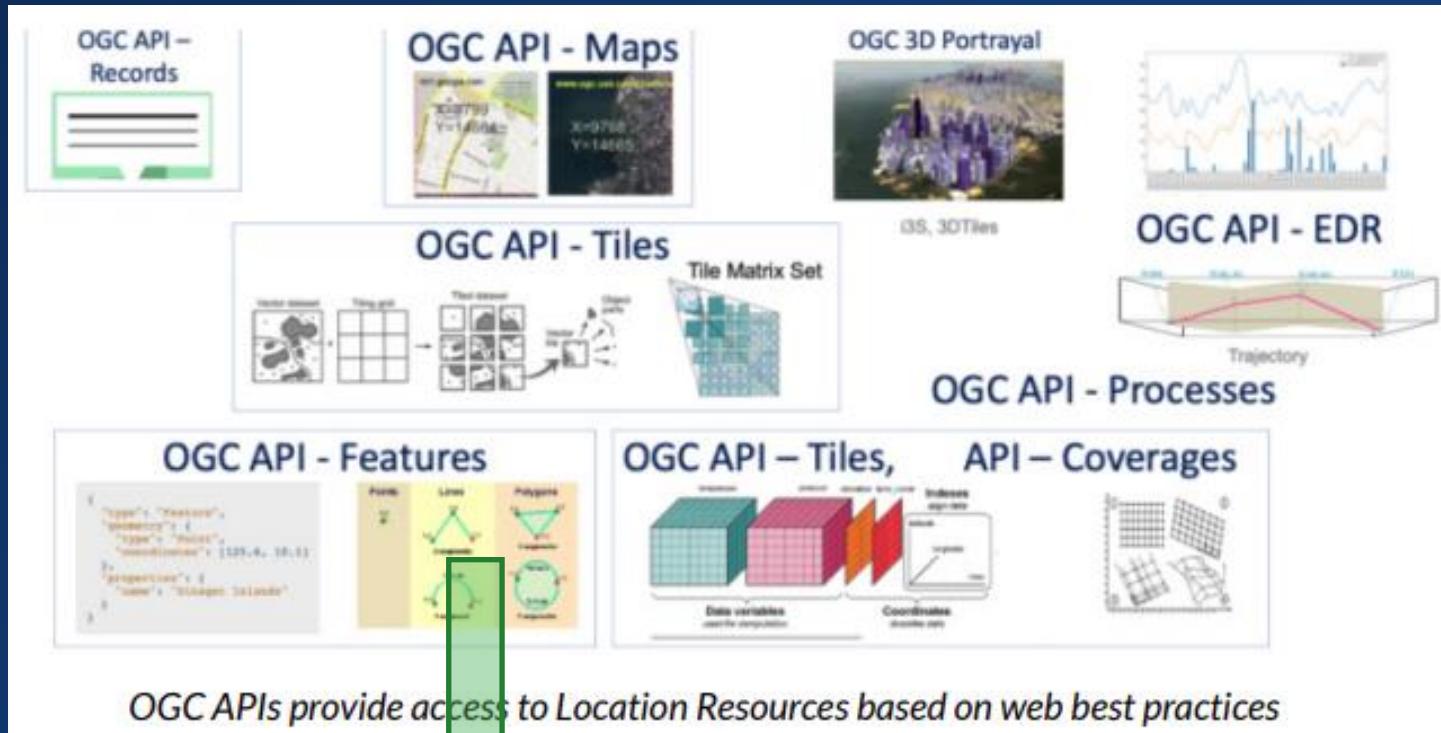


Exploración de las API de OGC



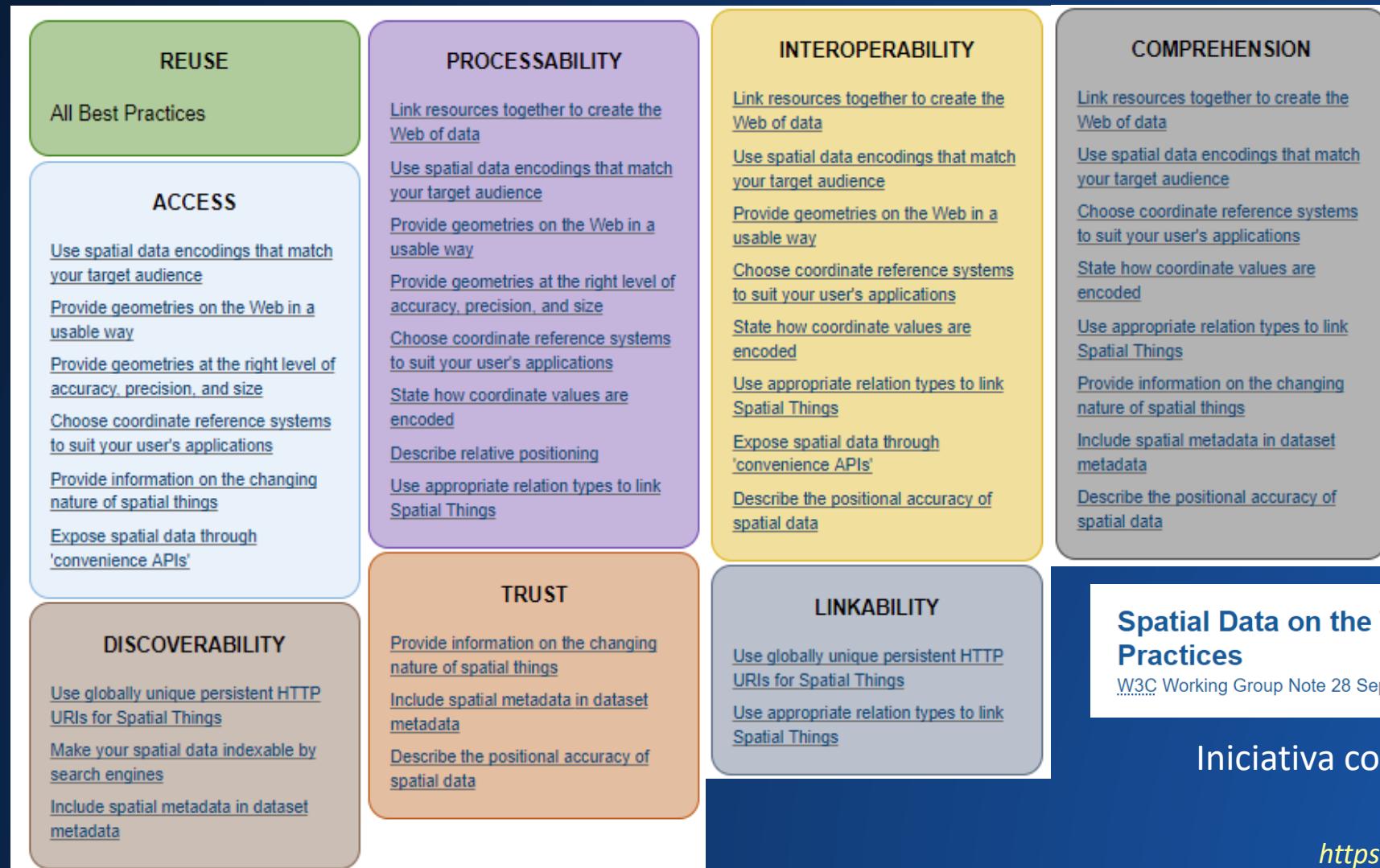
• <https://ogcapi.ogc.org/>

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



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

Prácticas recomendadas: Datos espaciales en la Web



Spatial Data on the Web Best Practices

W3C Working Group Note 28 September 2017



Iniciativa conjunta de OGC y W3C

<https://www.w3.org/TR/sdw-bp/#toc>

Soporte a Open Web Services

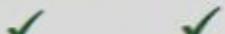
Producir, publicar, colaborar, compartir, usar

PUBLISHING OGC WEB SERVICES

ArcGIS Enterprise	ArcGIS Online
11	2021 Q2



OGC API - Features (P1)



CONSUMING OGC WEB SERVICES

ArcGIS Pro	Map Viewer	ArcGIS Runtime	ArcGIS API for JavaScript
2.8+	Online	v100.9+	4.16+

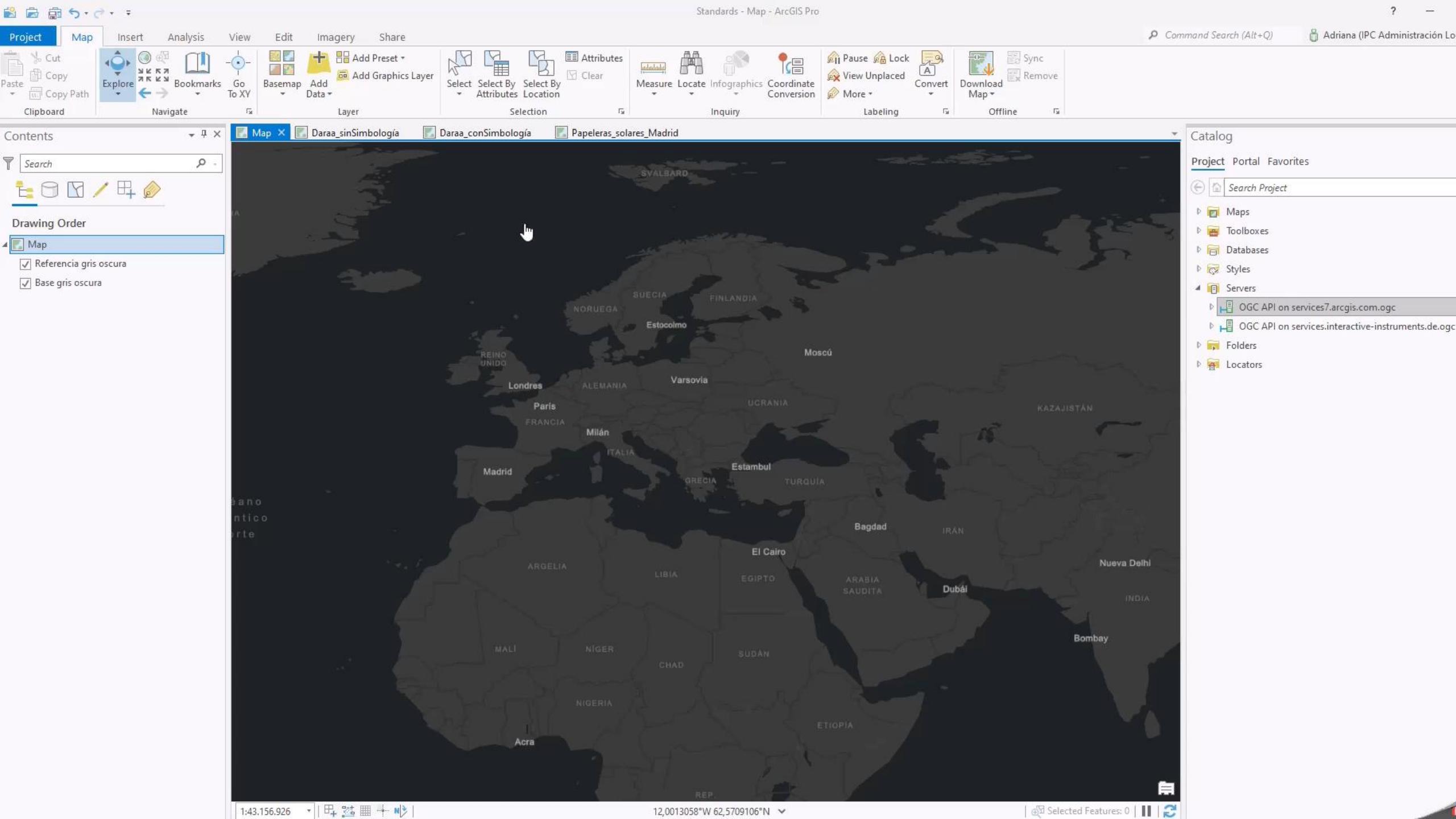
OGC API - Features (P1)





Caso práctico

OGC API Features

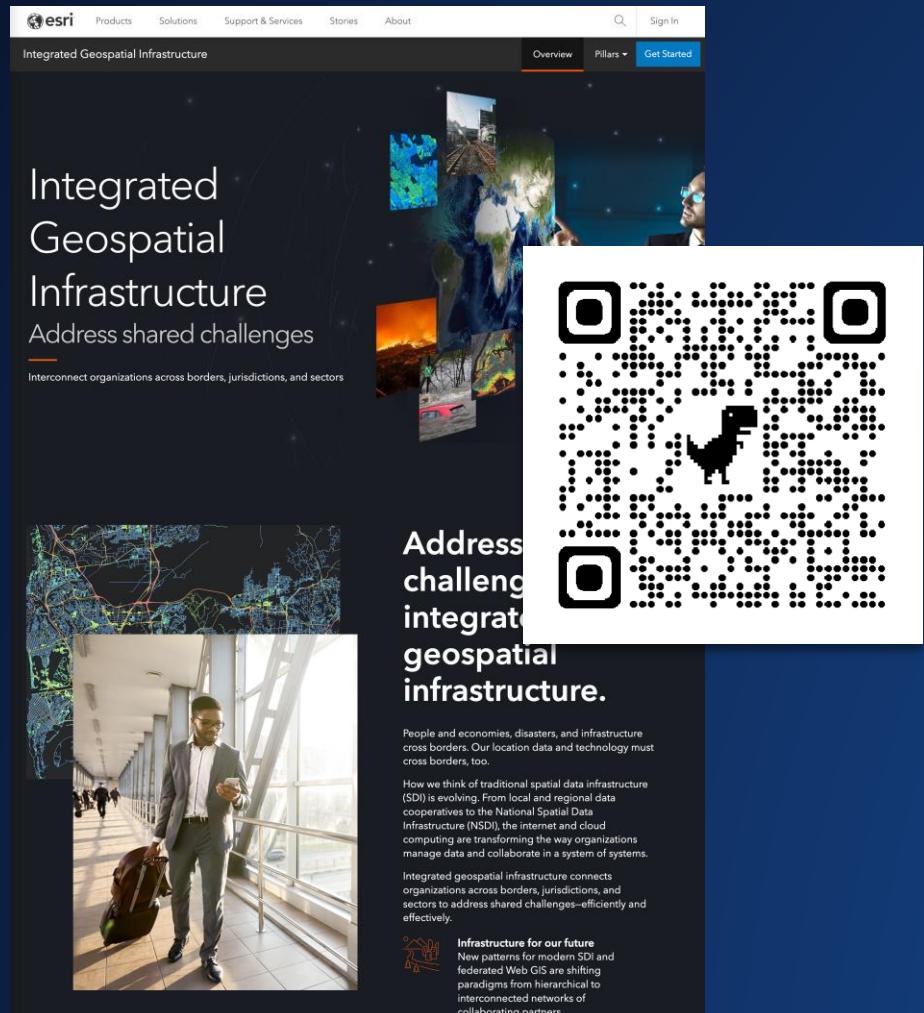


A complex 3D visualization on the left side of the slide. It features a dark blue background with various translucent, colorful layers representing geographical data. These layers include a green and yellow terrain model, a purple and blue water or cloud layer, and a black layer with a grid pattern. There are also several small yellow spheres and a small white square icon near the bottom right.

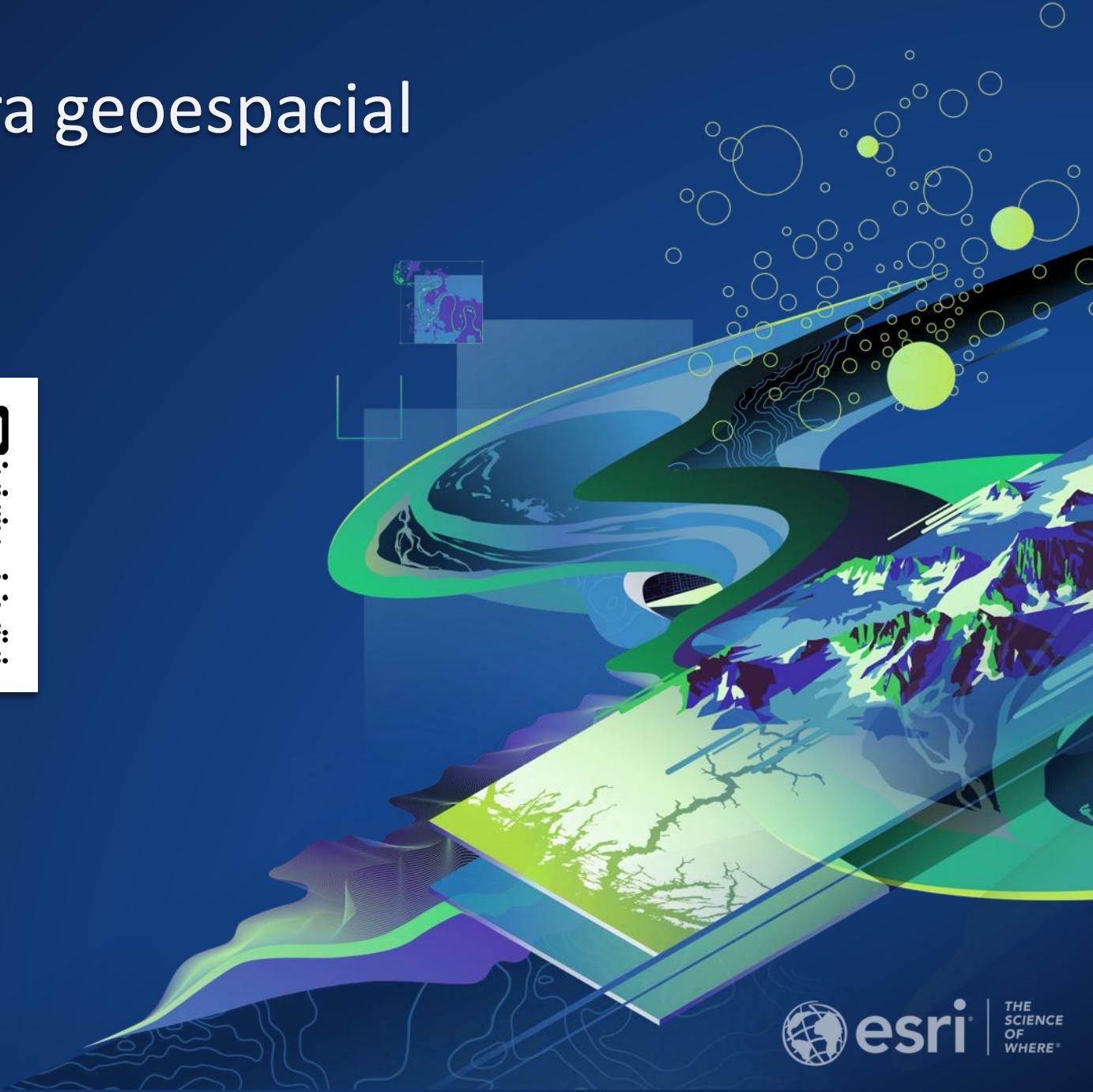
Resumen

OGC API Features

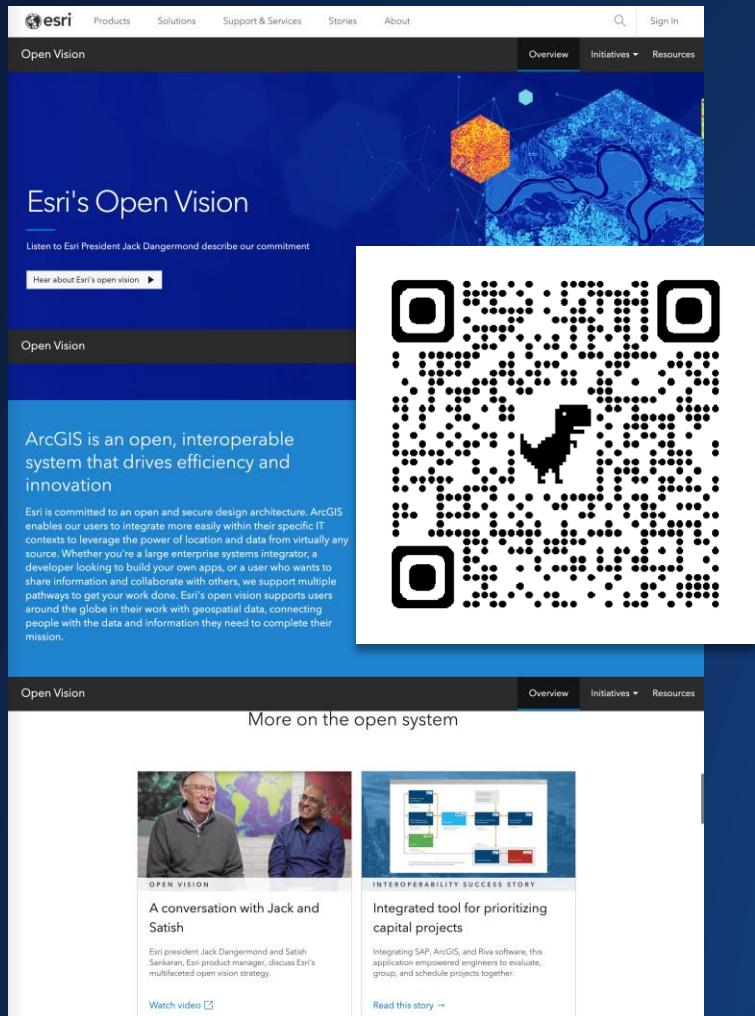
Infraestructura geoespacial



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

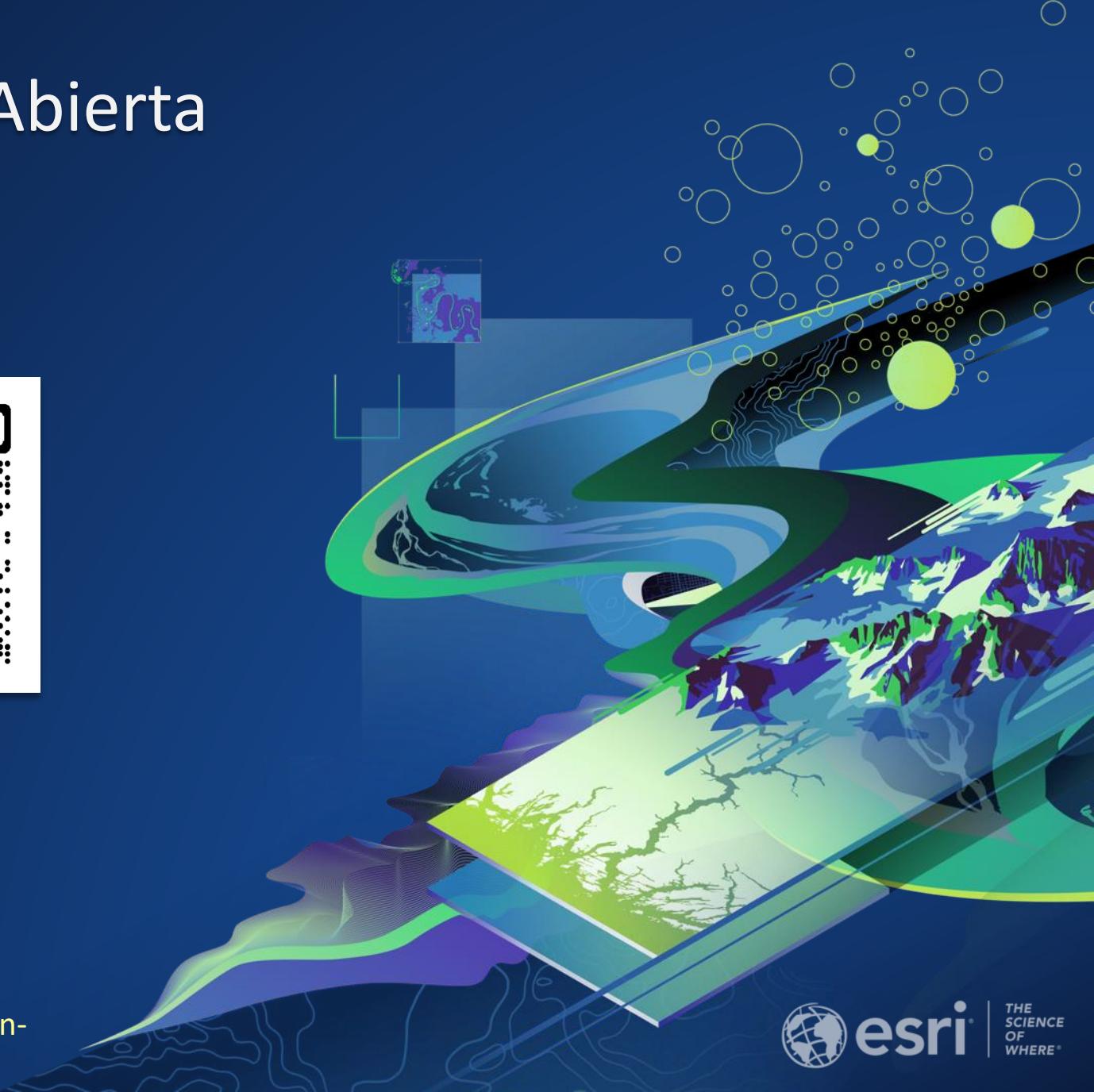


Visión Abierta



The screenshot shows the Esri Open Vision website. At the top, there's a navigation bar with links for Products, Solutions, Support & Services, Stories, About, and Sign In. Below the navigation is a search bar and a "Overview" button. The main content area features a large blue hexagonal graphic with a yellow center. A QR code is overlaid on the bottom left of the graphic. To the left of the QR code, there's a section titled "Esri's Open Vision" with a video thumbnail and a link to "Hear about Esri's open vision". Below this is another section titled "Open Vision" with a sub-section about ArcGIS being an open, interoperable system. This section includes a detailed paragraph about Esri's commitment to an open design architecture and integrates with other parts of the site via a "More on the open system" link.

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



La colaboración es clave



Solution Engineer | Technology & Innovation – Esri España |
LinkedIn

