

Achieving Chile's Geospatial Vision: How Open Collaboration Accelerates National Goals

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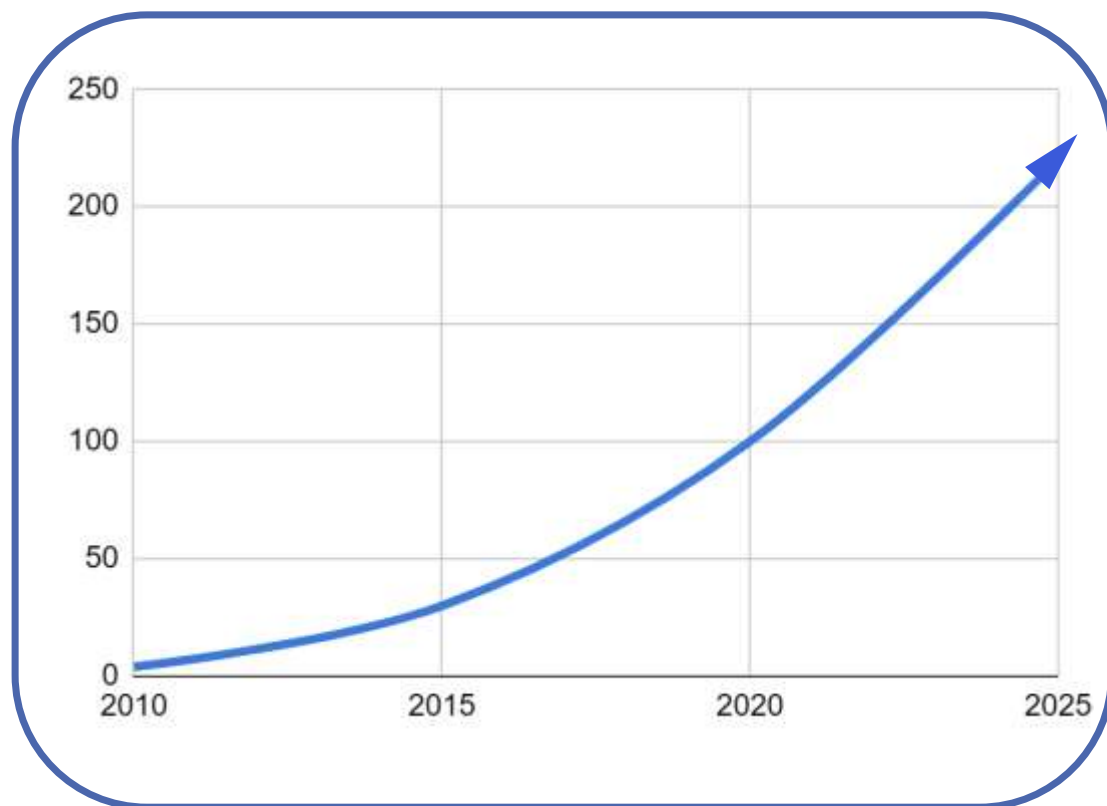


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The Geospatial Data Challenge

Available Geospatial Data



Example: Available geospatial datasets in data.gov (in thousands)

What's the problem?



Data Explosion

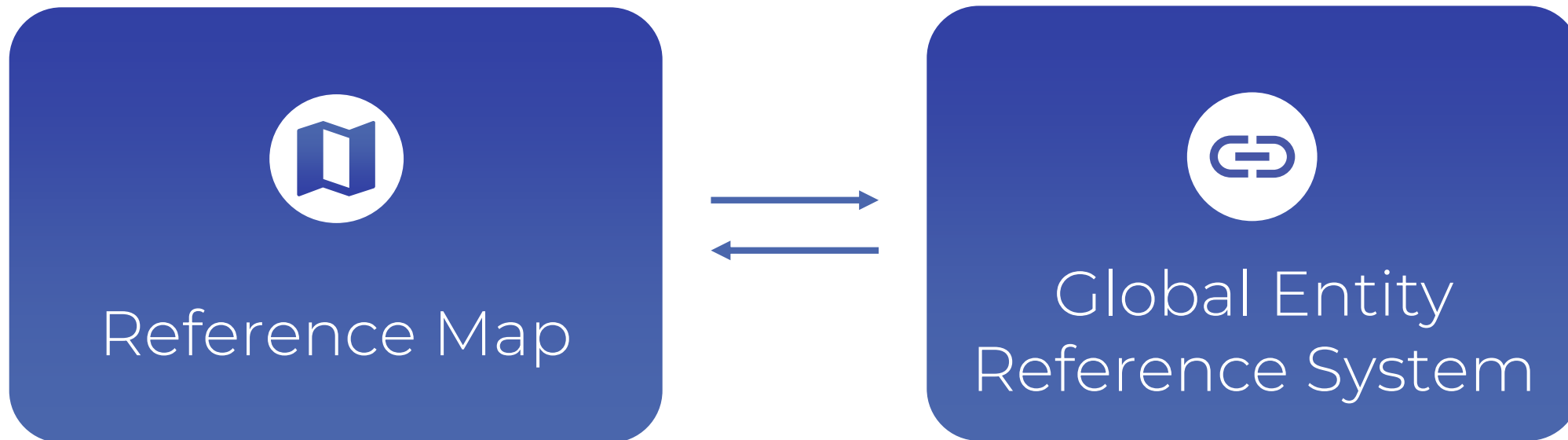


Conflation Tax



No Single "Best Map"

Reference Map & Framework



The 14 Global Fundamental Geospatial Data Themes



Global Geodetic
Reference Frame



Addresses



Buildings and
Settlements



Elevation and
Depth



Land Parcels



Physical
Infrastructure



Population
Distribution



Orthoimagery



Functional Areas



Geographical
Names



Geology and
Soils



Land Cover and
Land Use



Transport Networks



Water

Overture Data Themes



Transportation

Road networks described by
300+ million connectors & segments



Places

~70 million points of interest (POIs)
like shops, restaurants, landmarks



Divisions

Admin boundaries such as countries,
states, cities in 40+ languages



Buildings

2.6 million unique
building footprints worldwide



Addresses

~450 million address point entities
across 17 countries

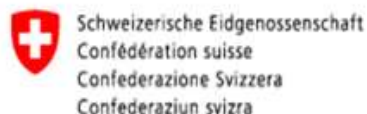


Base

Contextual layers for map visualization
incl. land & water data

Open Data Sources & Partners

Overture produces open data sets that conflate open map data from many sources. These are valuable sources of data and provide coverage and richness that would be impossible to attain otherwise. Overture gratefully acknowledges the work of these organizations in building, aggregating and organizing open map data.



Overture Buildings by Source



Global Entity Reference System (GERS)

- Universal framework for structuring & matching map data across systems
- GERS IDs identify real world entities such as road segments
- Simplifies integrating & exchanging data layers
- Becoming an OGC standard

GERS ID



Interoperability by Design



Getting Value from Collaboration on Open Data

NOW

- Open data platforms as a distribution channel
- 🔒 Access to private company data from AI, Sensors
- 🌐 Collaborative models for pushing data to citizens

NEXT

- Transparent validation checks and results
- ↻ Feedback loops to correct/improve data



A global collaborative effort to build a foundational base layer of map data to facilitate data interoperability.

What's Included?

Map data: The best open data sources
(crowdsourced, government, AI Generated, ...)

Quality & Validation: Open map data consolidated
and validated to achieve market grade quality

ID system: Data tied to IDs for interoperability (e.g.
append Overture data with proprietary attributes)

Built For

Public Sector needing interoperable map data for
evidence-based decisions

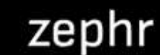
Companies building geospatial products

Open Community developers and data providers
participating in shared infrastructure

Governed by

The **Linux Foundation**, ensuring vendor neutral
governance and collaboration

The Overture Community



How Chile Can Lead Through Collaboration

Contribute Data



Join Overture



GERSify your data



Stay Connected

Web overturemaps.org
GitHub github.com/OvertureMaps
Social @OvertureMaps

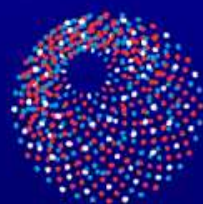




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Thank you!

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**FORTALECIMIENTO INSTITUCIONAL E INNOVACIÓN
PARA LA GESTIÓN DE DATOS GEOESPACIALES EN CHILE**

