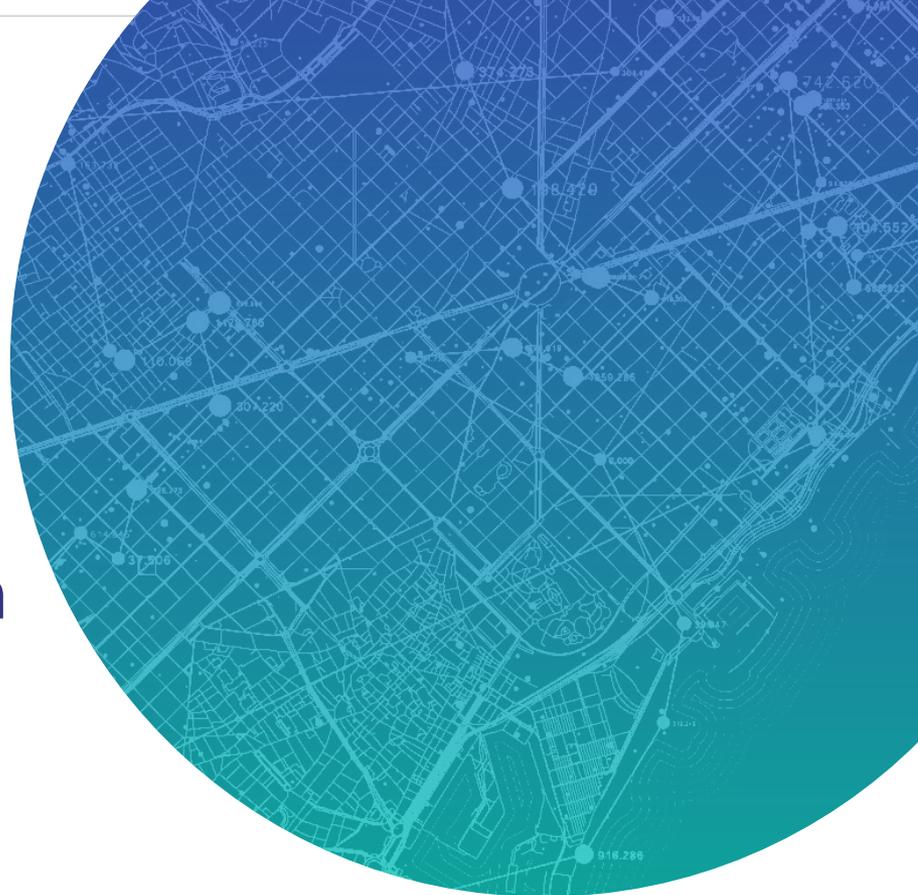


GERS

Interoperability by Design

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**Interoperability isn't a technical
choice, it's a structural requirement**

The Post-Portal Era

A dataset isn't the truth; it is a **representation** of the truth.

Physical
world



Govt
registries

Legal
definitions



Admin
processes

We need a shared language



Global

Everything,
everywhere



Unique

Everything is
identifiable



Persistent

Identity holds
over time



Open

Referenceable
by all

Overture Reference Map



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

215 million address point entities
across 17 countries

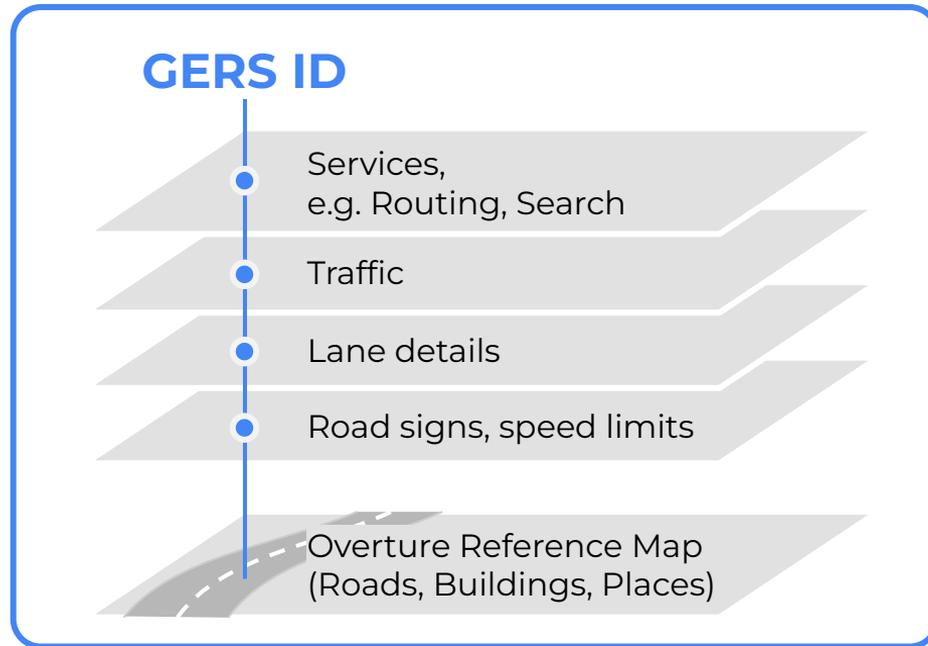


Base

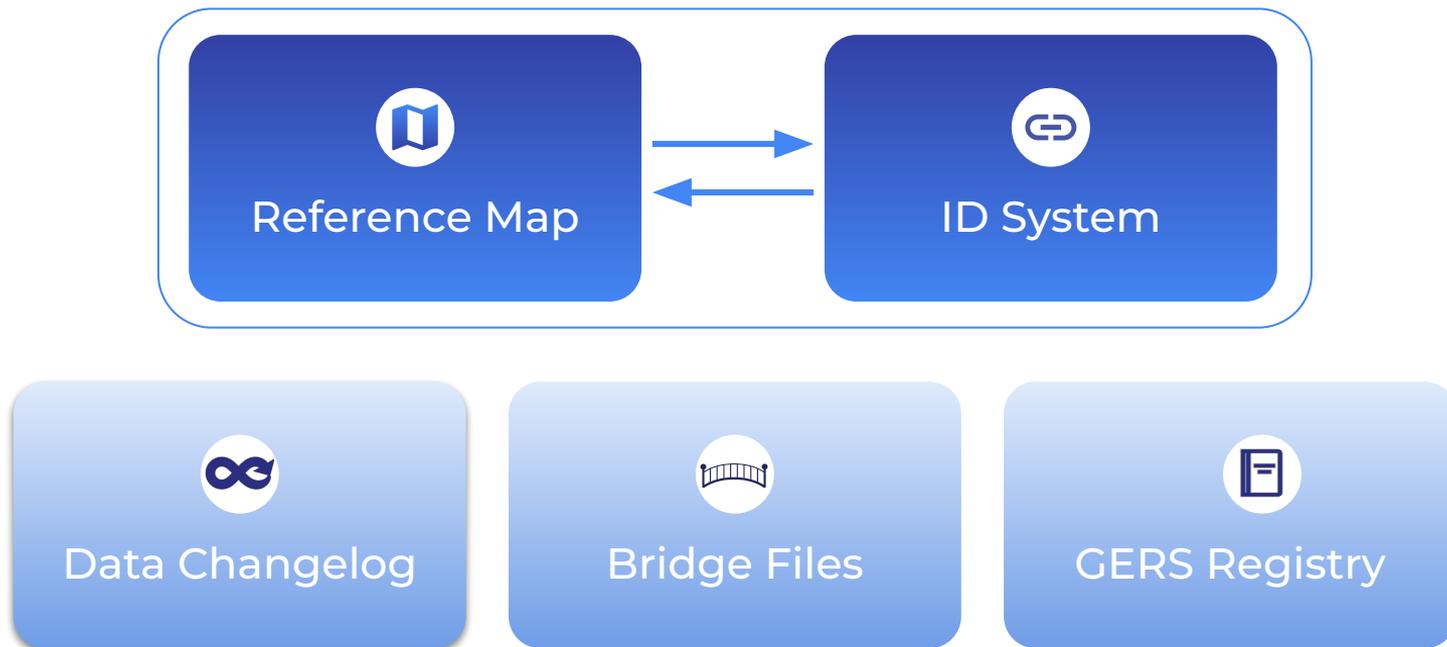
Contextual layers for map visualization
incl. land & water data

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



The GERS Framework



GERS ID: the reference anchor

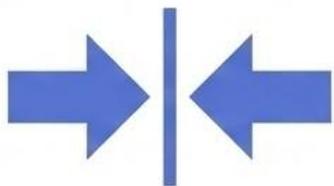
- IDs are neutral, durable, non-semantic, and non-authoritative.
- enable linkability, not replacement.
- work across heterogeneous datasets without imposing a model.
- support versioning, lineage, and provenance.
- scale to billions of entities with uncertainty and imprecision in mind.

GERS doesn't tell you how to model the world; it tells you when two datasets are *talking about the same thing*.

GERS as enabling infrastructure



Data becomes **joinable** rather than replaceable



Governance becomes about **alignment**, not consolidation



AI models can ground outputs in shared reality, improving **verifiability**



Public and private data can interoperate without giving up **autonomy**



Cross-border **harmonization** becomes feasible without forcing uniformity



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Thank you

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