GeoSmartCity

cip competitiveness and innovation framework programme 2007–2013

The "Hub"

to support the monitoring of local energy plans

(Stein) Runar Bergheim
DIRECTOR OF RESEARCH & DEVELOPMENT

Asplan Viak Internet

Overview

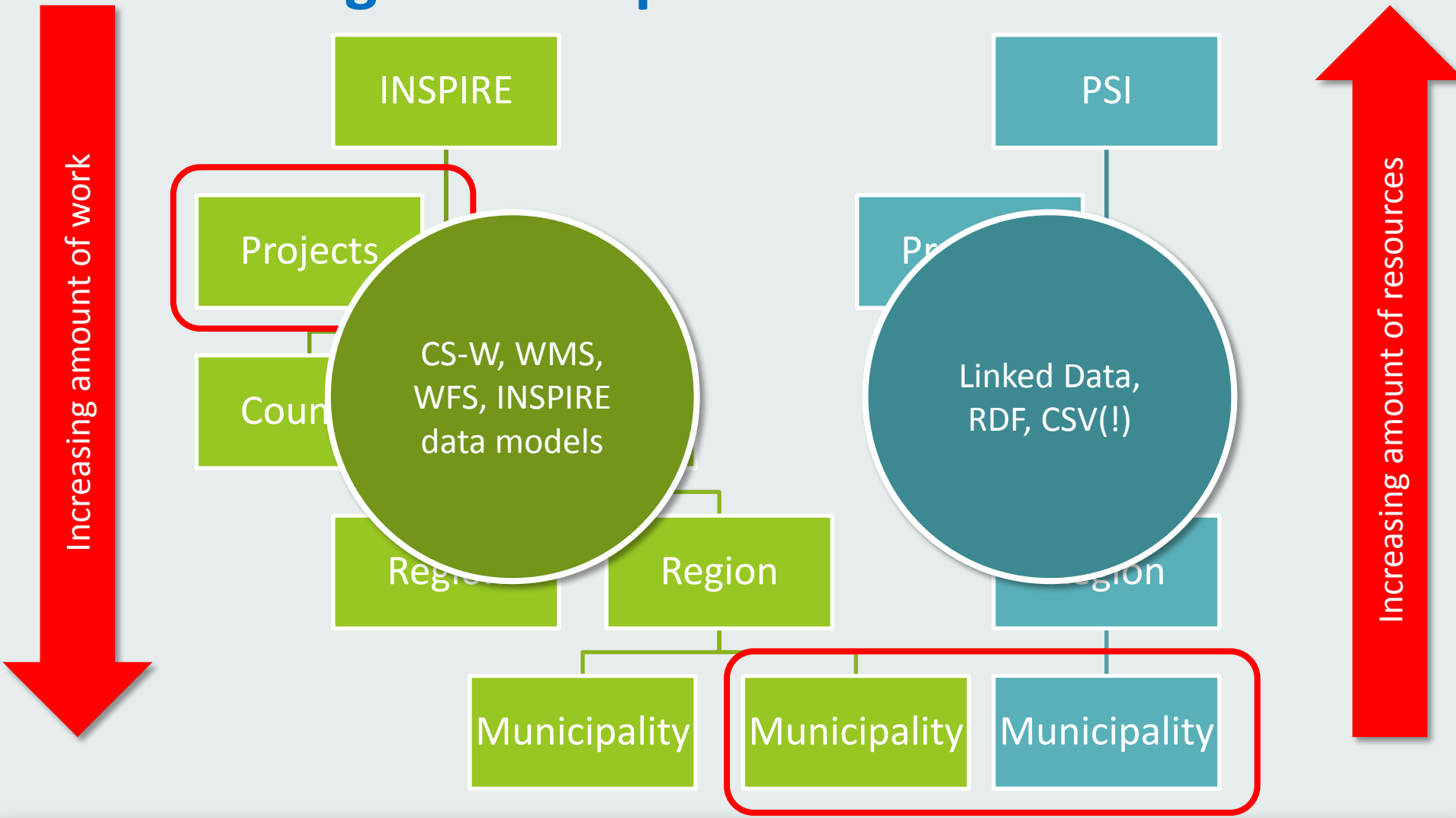
What problem does the Hub address: European Data Infrastructures

What is the Hub, why is it needed and how is it different

What will the Hub do, features, services

How to learn more, contribute (or merely lurch in the shadows) as we proceed

The challenge of European Data Infrastructures



The Hub: a manageable geospatial platform

Feature rich

- «All the» geospatial FLOSS components
- Supports mulitple data infrastructures

Robust

- Solid integration

Scalable

- Can be extended to support larger volumes

Manageable

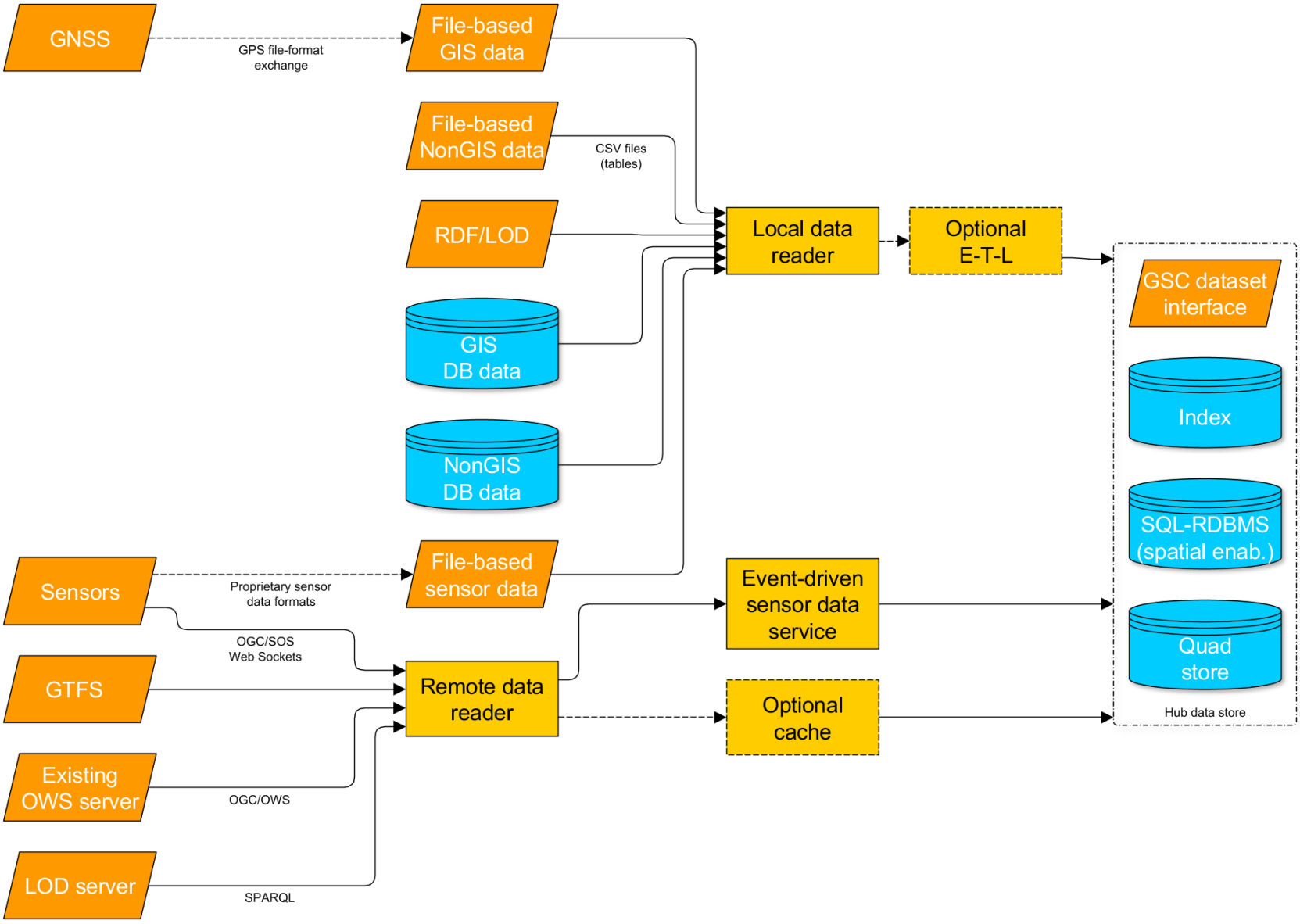
- Easy to update, maintain, separation of applications from data

FLOSS

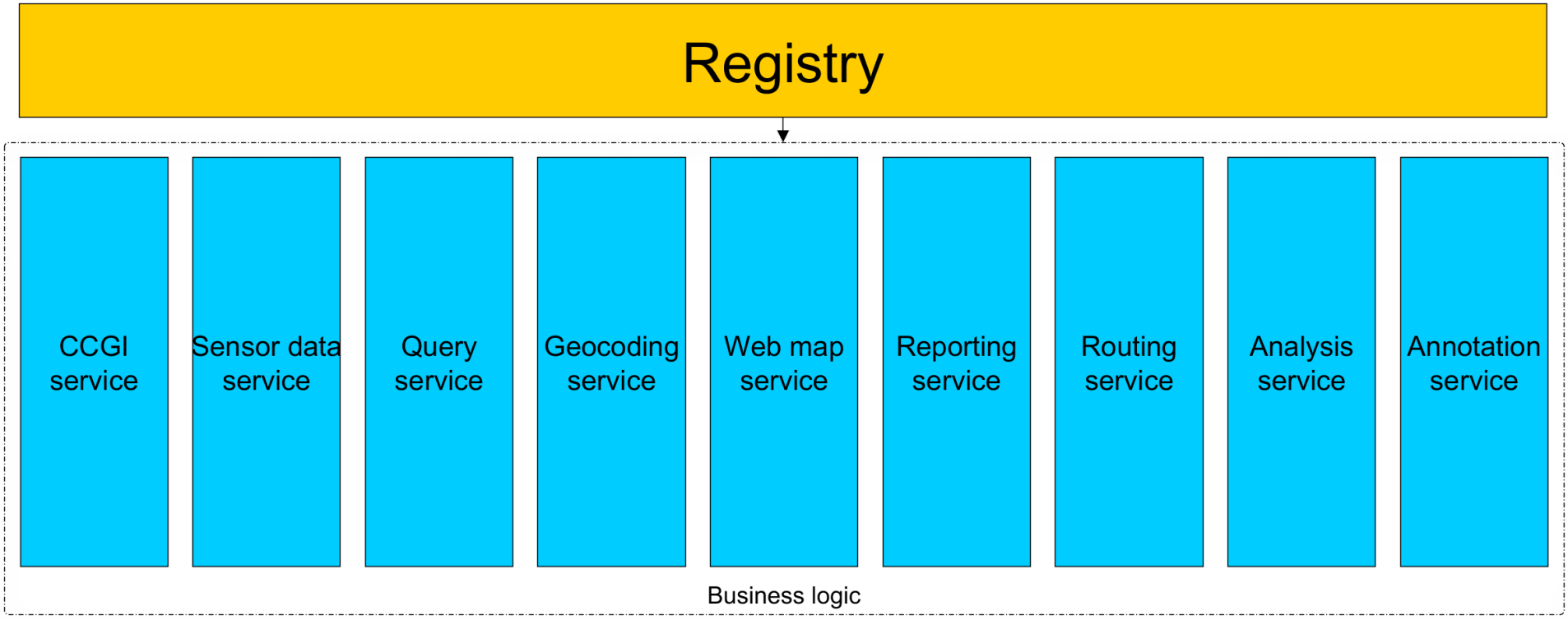
Useful (rather than Exciting?)

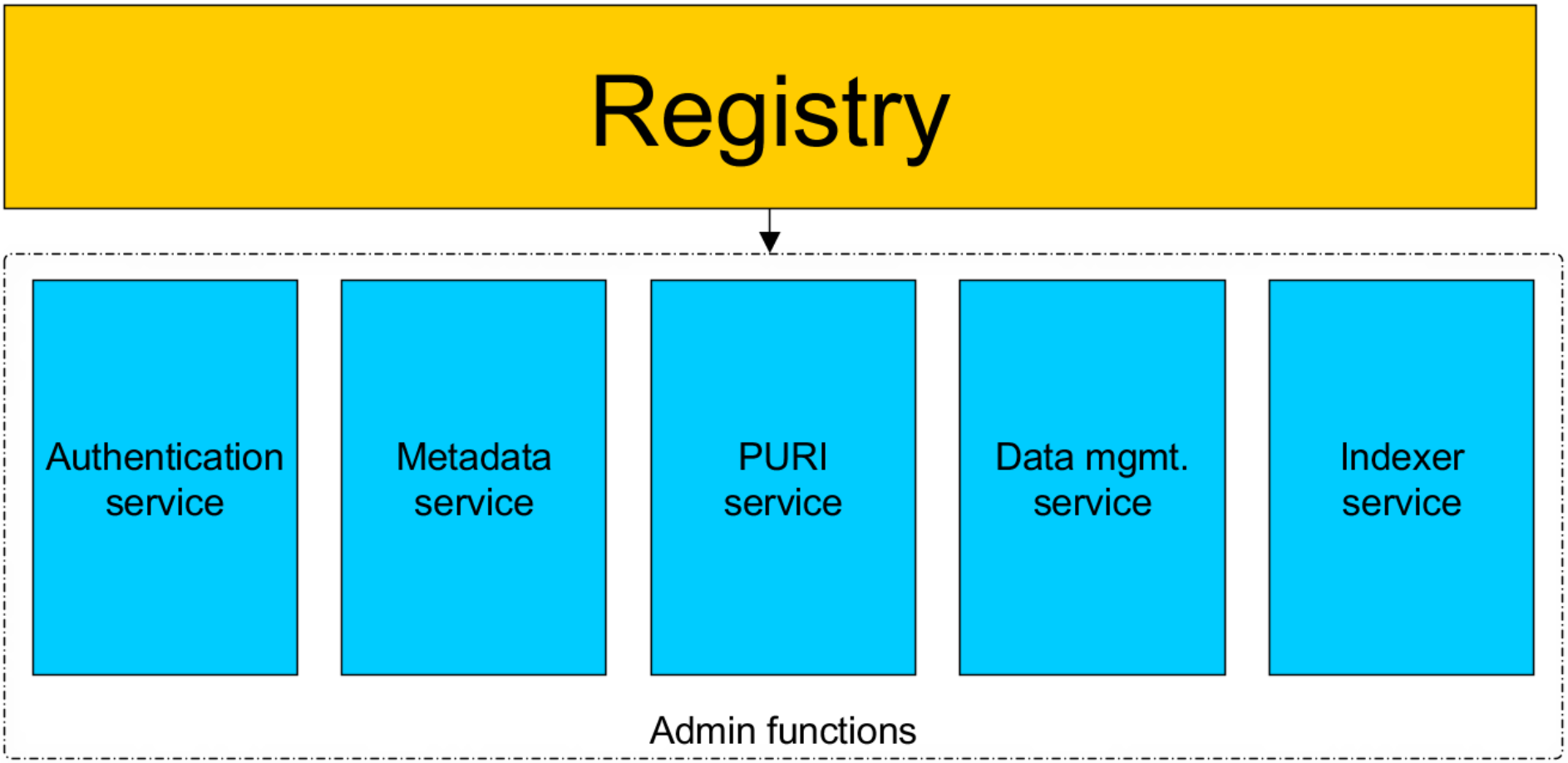
In short:

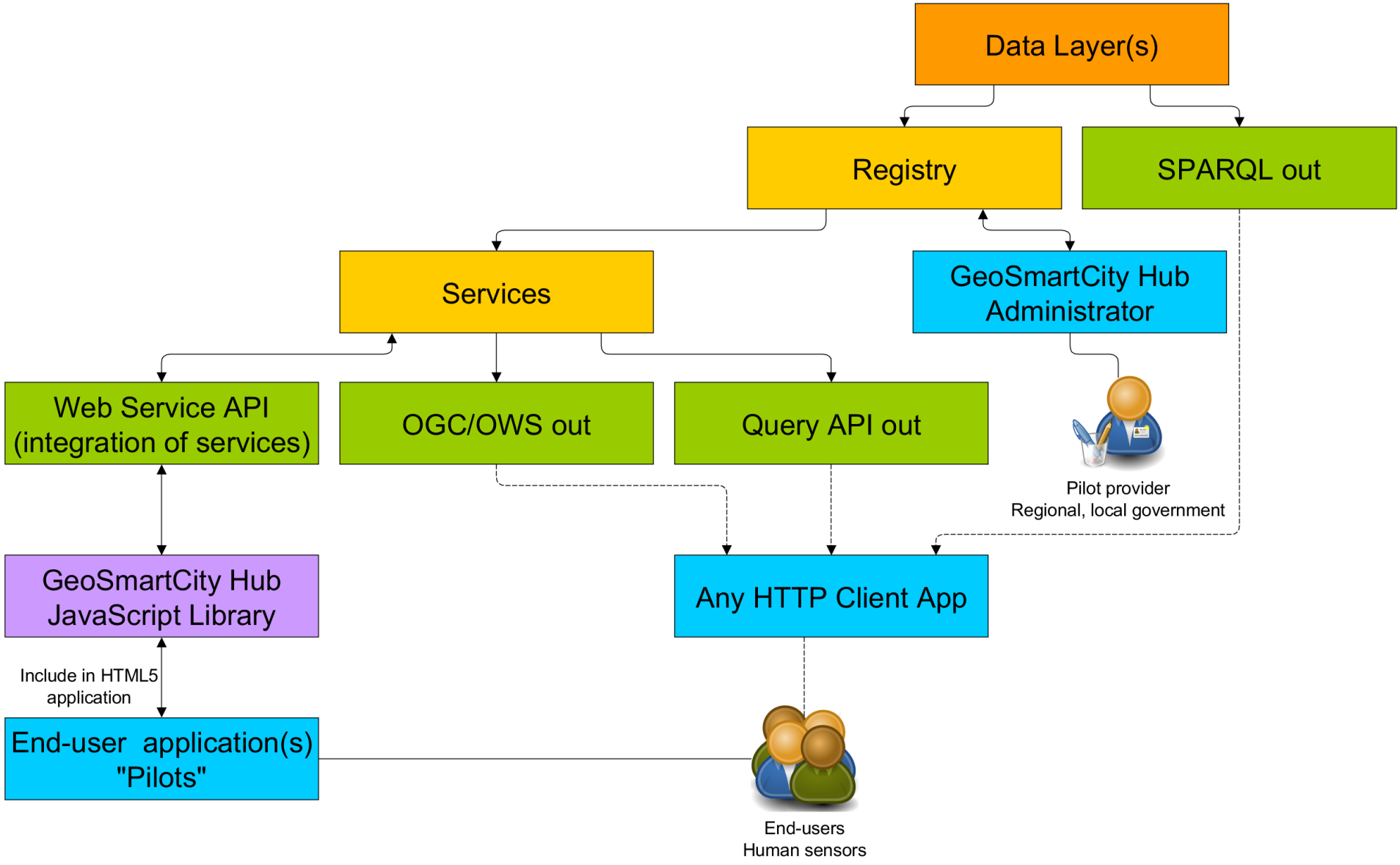
A geospatial FLOSS platform to effortlessly deploy, trust and build on



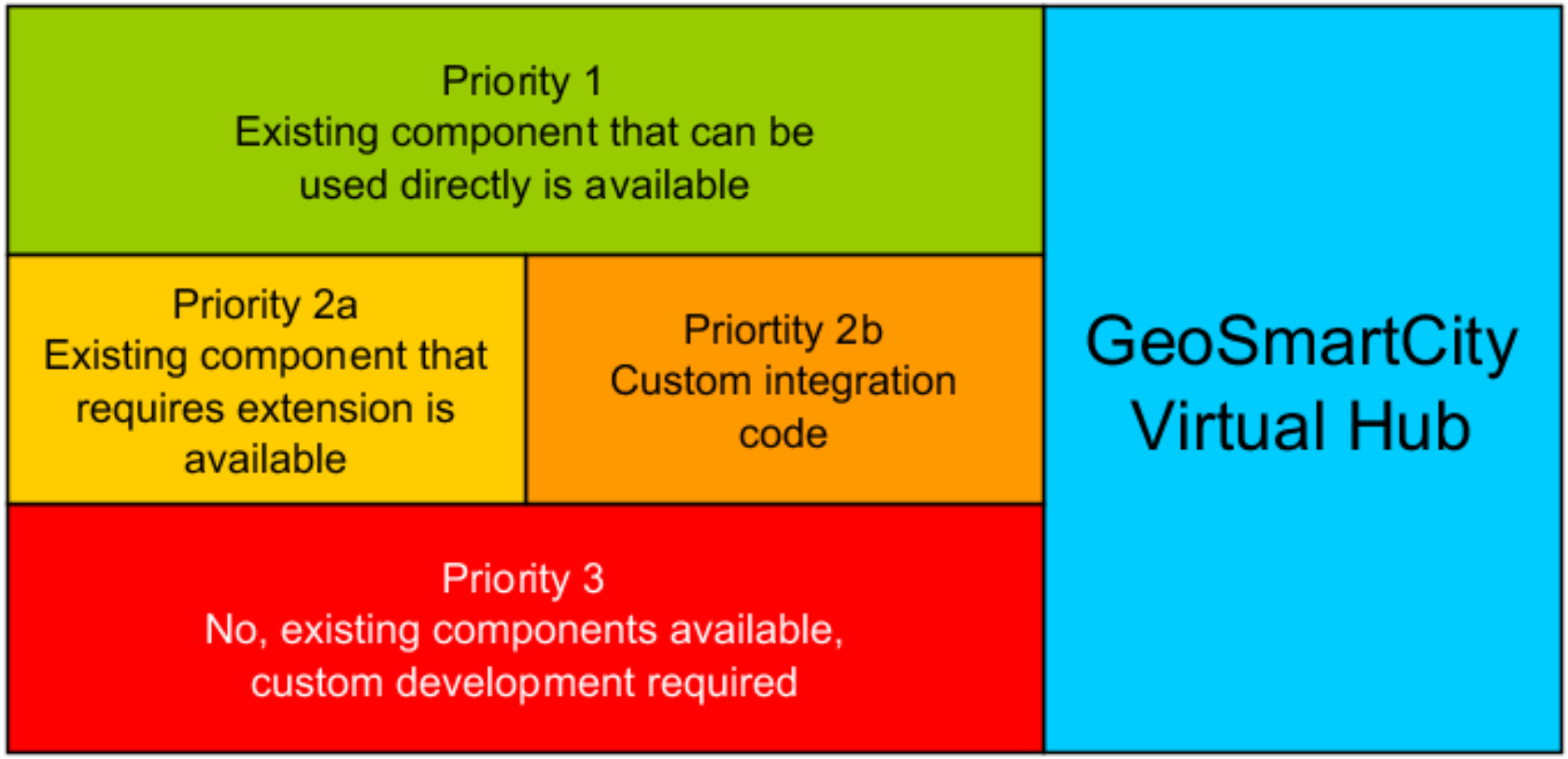
Virtual, physical data layer


Registry
CCGI service
Sensor data service
Query service
Geocoding service
Web map service
Reporting service
Routing service
Analysis service
Annotation service
Business logic


Registry
Authentication service
Metadata service
PURI service
Data mgmt. service
Indexer service
Admin functions


Data Layer(s)
Registry
SPARQL out
Services
GeoSmartCity Hub Administrator
Web Service API (integration of services)
OGC/OWS out
Query API out
Pilot provider
Regional, local government
GeoSmartCity Hub JavaScript Library
Any HTTP Client App
Include in HTML5 application
End-user application(s) "Pilots"
End-users
Human sensors

Component Selection Criteria



Apache, Tomcat, GeoServer, PostgreSQL, PostGIS, Virtuoso + 10-15 others

Yet another platform to bind them all?

How you can contribute

Are you interested in what we do – or do you think we're derailed and would like to have a laugh at us?

All what we build will be on GitHub

https://github.com/gsc-dev

Also, check out our project web site

http://www.geosmartcity.eu/