

Open Source Geo Professional @ justobjects.nl



Voorzitter



Lid van



Just van den Broecke
Geonovum OGC API Testbed
14 sept 2021, Open Geodag

Geonovum OGC API Testbed

- Juni/Juli 2021
- Friso Penninga (lead), Thijs Brentjens (lead/dev), Paul van Genuchten (dev), Just van den Broecke (dev)
- Doel: experimenteer/evalueer implementaties OGC API Features
- Toegankelijk voor derden (Tender!) om verder op te bouwen
- Experimenteer- (Sandbox) en productie- (Stabiel) omgeving
- Home: <https://apitestdocs.geonovum.nl/>

OGC API Testbed - Technisch



Open Source Container Company Docker ...
adtmag.com



Containerization: Advantages And ...
anexio.com



Containerization Crash Course - What is ...
boxboat.com



Containerization on Embedded Systems ...
blogs.knowledgelens.com



dead, long live containerization
diginomica.com



Containerizing Legacy Applications: The ...
contino.io



containers: Virtualbox, KVM, Xen, LXC ...
davidokwii.com



Containers success stories from 3 ...
techgenix.com



Apps in Containers -
t2client.com



Containers Part 1: Why You Need them ...
medium.com



The state of containers: Current trends ...
techbeacon.com



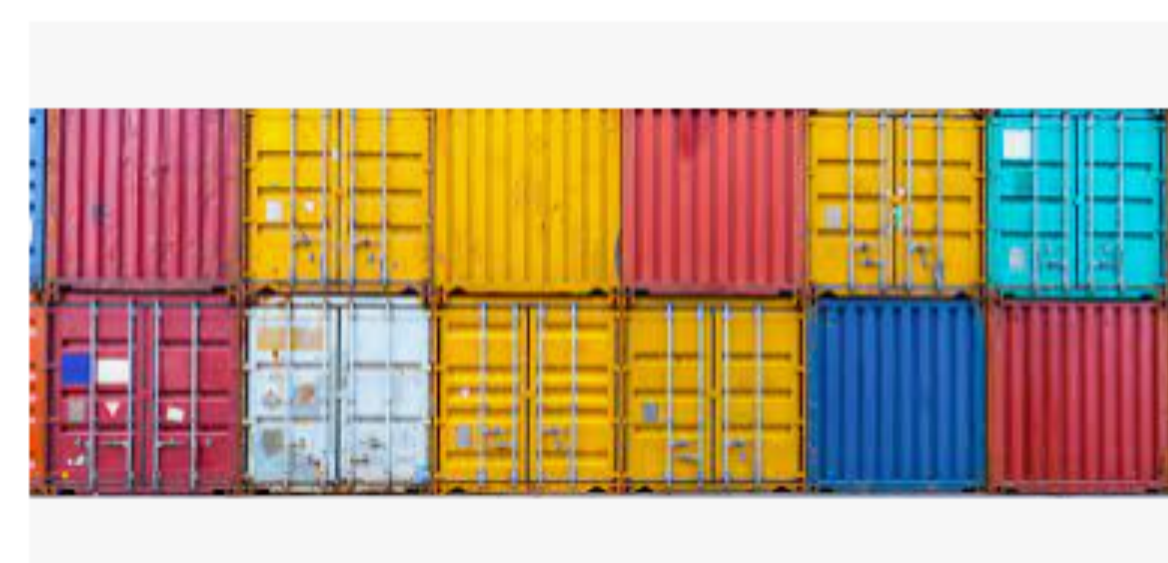
& Deploy Containerized Applications ...
medium.com



Kubernetes vs. Docker: Comparing ...
technologyadvice.com



Containerisation: Benefits and How I...
newtglobal.com



Container vs. VM security: Which is better?
searchcloudsecurity.techtarget.com



A big step forward in container ...
zdnet.com



Modularity, Microservices and ...
jaxenter.com



AWS Container Consulting
missioncloud.com



OGC API Testbed - Componenten

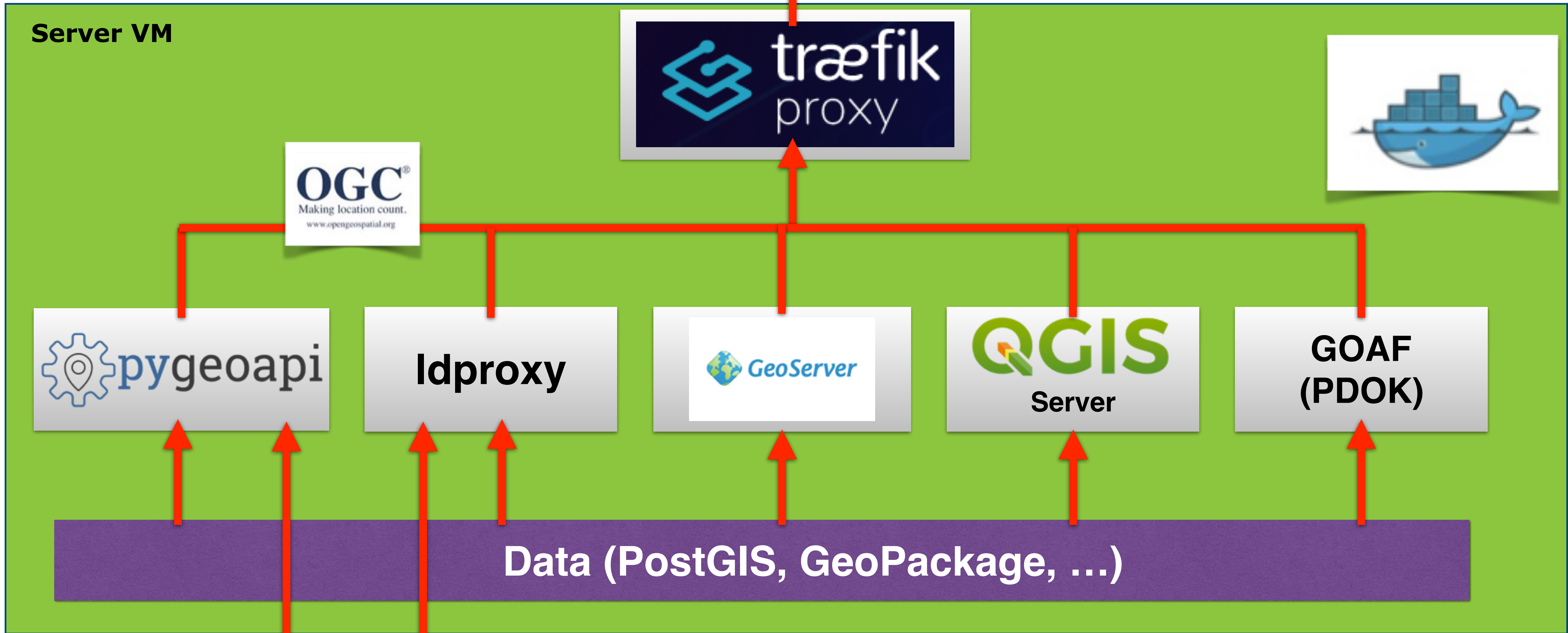
- OGC API Features
pygeoapi - GeoServer - Idproxy - QGIS Server - GOAF (PDOK)
- Endpoint/Proxy/SSL
Traefik
- Ondersteunend
PostGIS met PGAdmin4 (UI)
- Monitoring en Control
GeoHealthCheck (OGC Service Mon) - Portainer (Docker Mon)

OGC API Testbed - Service Stack

Dataflow



container

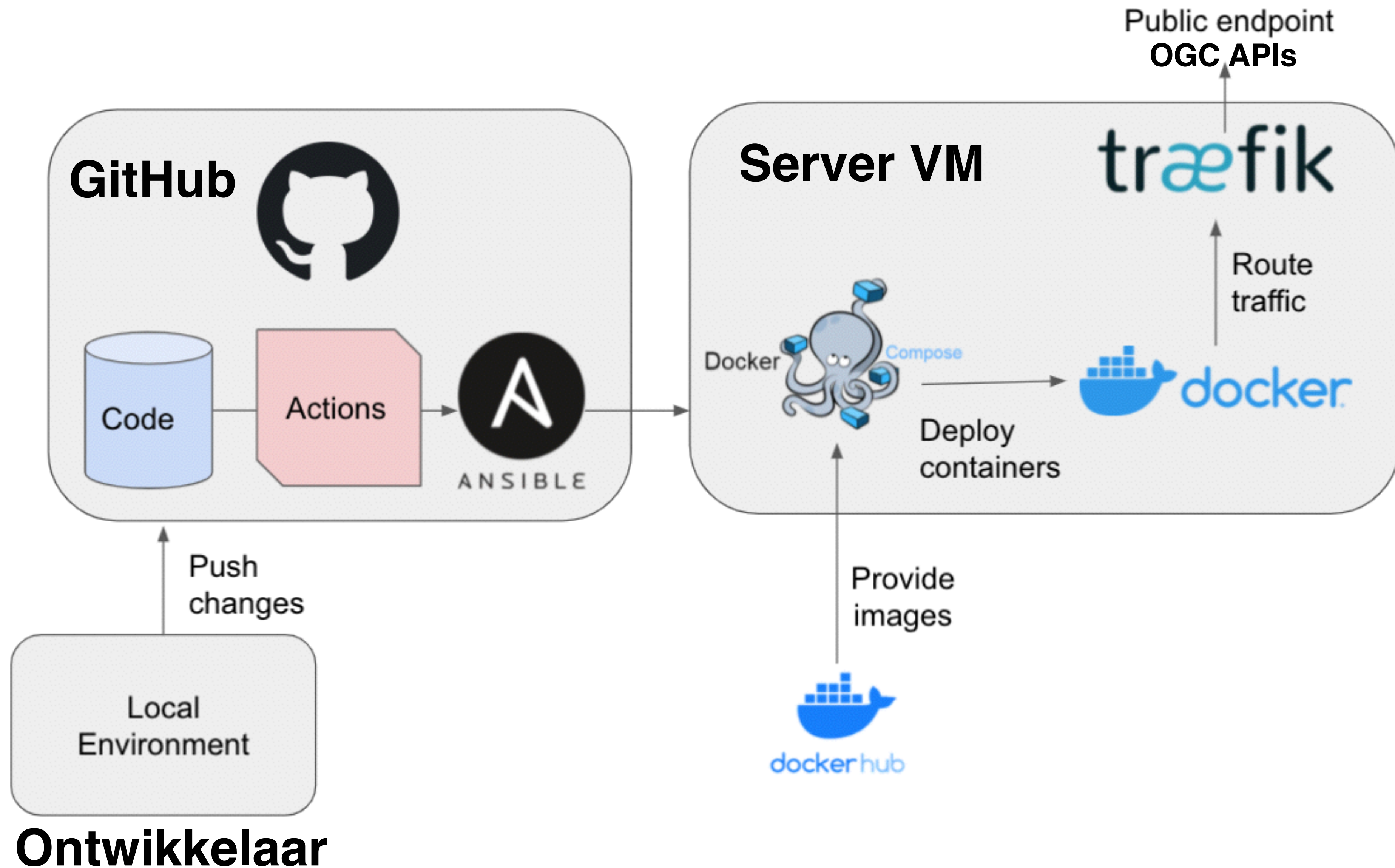


Remote Services: WFS, ESRI FS, ...

OGC API Testbed - Technisch

- Open Source via GitHub
- Moderne “DevOps/Cloud” technieken:
 - GitHub** (versie beheer)
 - Docker** (runtime)
 - Ansible** (uitrol)
 - GitHub Workflows** (CI/CD via Ansible)
- Continue uitrol, trigger door GitHub “commits”
- “**GitOps**” state of the art - <https://www.gitops.tech/>

OGC API Testbed - Technisch



OGC API Testbed - Links

- Geonovum “OGC API Testbed - Documentatie”
<https://apitestdocs.geonovum.nl/>
- Geonovum “OGC API Testbed - Live Server”
<https://apitestbed.geonovum.nl/>
- pygeoapi Home - <https://pygeoapi.io>
- pygeoapi - INSPIRE Conf 2020 Presentation:
<https://inspire.ec.europa.eu/sites/default/files/oarec-pygeoapi-inspire.pdf>