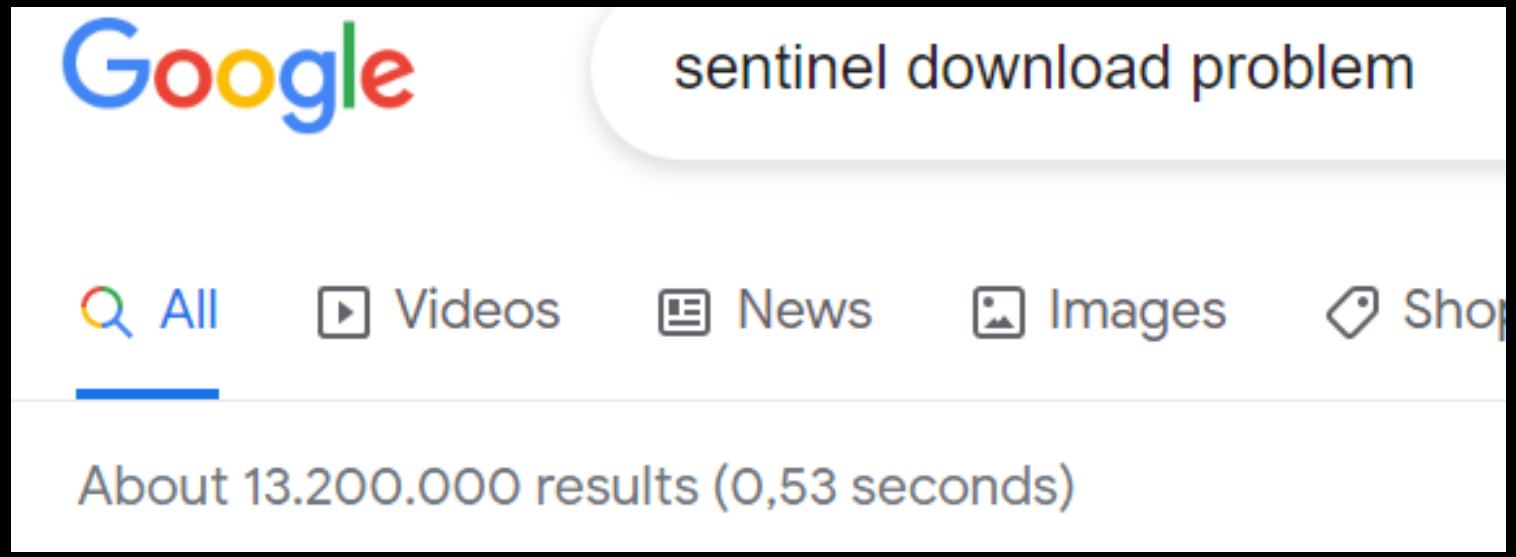
Diego Pozo Morillas

« EO Data access: extenSO, a DIAS Lesson Learnt »

LIST EO DAY, 12/10/22



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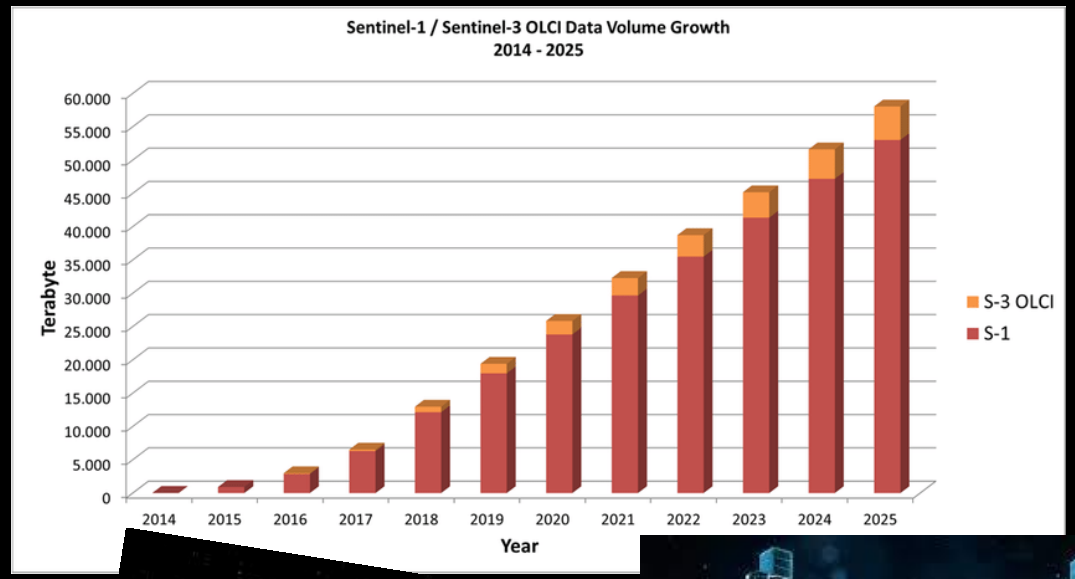
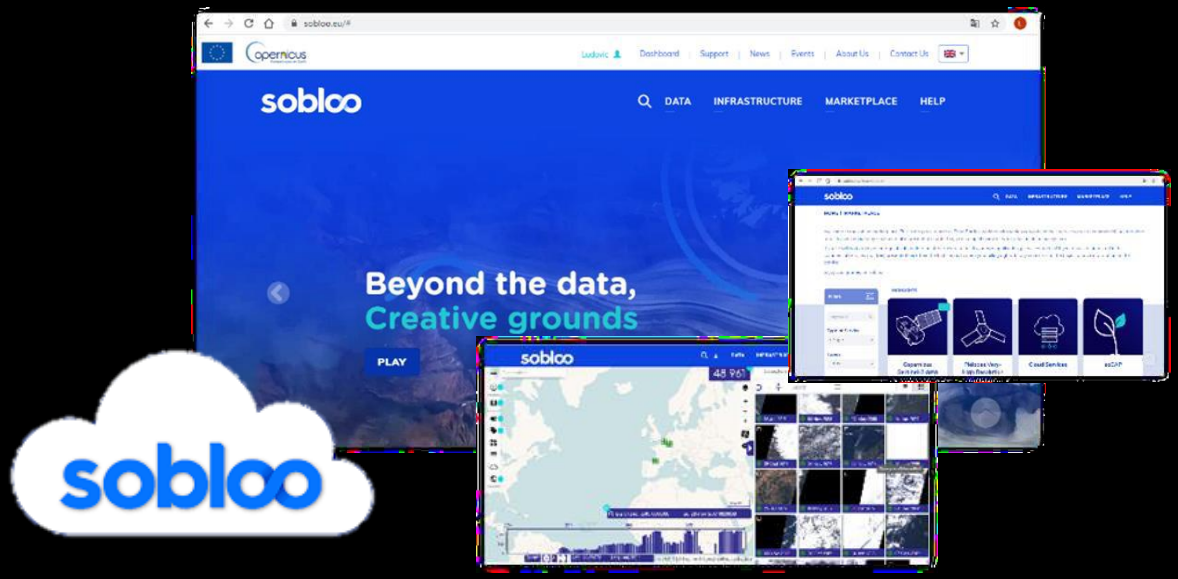
LIST EO DAY, 12/10/22

Vast amount of Data, growing exponentially





SERVICING COPERNICUS DATA

DATA ACCESS

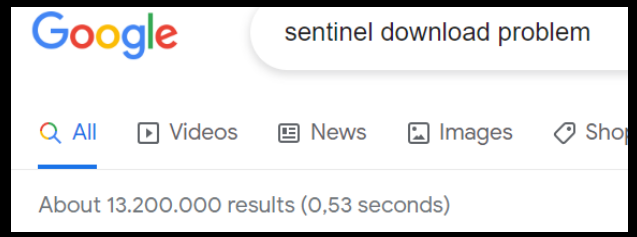
Cloudless servers consuming resources

Bottlenceck, delays, performance

1 PB ~ 20k€ / month
100 PB … / year

OR

Dependancy from one source



DATA EXPLOITATION TO CREATE ADDED VALUE SERVICES

2000 users
3000 in Hackathons
Same questions

CASSINI Hackathons & Mentoring 4-6 November

1. Enabling green and sustainable in
2. Innovative financial tools and tech
3. Advancing global financial intelligence- Antwerp and Northern Italy

Tasking Pneo for dedicated 30cm images

HOWEVER...

Some archieve data
GUI + on demand only

Environmental cost for Environmental apps?

Solution?

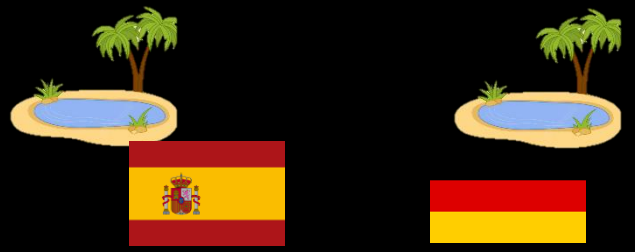
- ✓ *DevOps*
- ✓ *Agility*
- ✓ *Data Policy*
- ✓ *Listen to users*

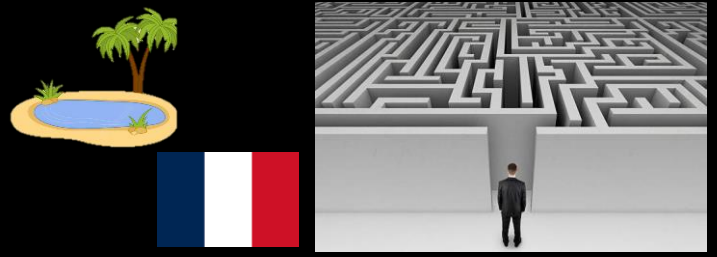
Way forward?

LSA Data Centre
DIAS 2.0??

A DIFFERENT ANGLE

As opposed to a different path to go find scattered, possibly different data





Let it flow to you in an unified, user transparent and robust interface

Broken English

EXTENSO

EXTENDED SEARCH AND ORDER

ONE search engine to ALL your data

Multiple sources to avoid downtime blockage

Weighting the best available source for each order

Taking care or warming up, retries, switching sources if needed

Data and cost P2P sharing for sustainability

Homogeneous interface for all APIs, simplifying coding, also generated from GUI

7 months of Sentinel-3 data dropped in another Cloud Provider bucket in 2h -> scalable, could have been 30 mins

Bringing scattered data into your bucket

Dropping the order directly at your bucket. Data comes to you, not the opposite

(*) An API Search Engine, considering other domains such as medical, financial, insurance, etc.

EXTENSO

EXTENDED SEARCH AND ORDER

Exists because we listened to thousands of DIAS users asked for it

CONTACT US / CONTRIBUTE

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HOW TO

HTTPS://API.ONEATLAS.AIRBUS.COM/GUIDES/EXTENSO/G-EXTENSO-ABOUT/

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