

Data and Information Access Services

Guido Vingione
Director
Serco Italy

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JOINT AD-HOC MEETING OF THE IGS TF AND THE COLLABORATIVE GS

Presentation outline

- DIAS Team
- Service Overview
- Services Offer
- Data Offer
- Use Cases
- User Uptake
- Timeline
- Q&A



Brussels, 07 February, 2018

DIAS Team

Each partner brings dedicated expertise and value to the respective DIAS Service Elements

serco

Operations
&
Service Model

ITALY

 **OVH.com**
Innovation is Freedom

Cloud Services

FRANCE



Applications

FRANCE

 **SINERGISE**

Applications

SLOVENIA

DIAS Team

Each partner brings dedicated expertise and value to the respective DIAS Service Elements



serco

Founded in 1987, Serco Italy is a specialist in providing managed services in the Space sector.

ITALY



OVH.com
Innovation is Freedom

Founded in 1999, specialist of cloud and Internet infrastructures, OVH offers innovative products and services revolving around Cloud solution technologies.

FRANCE



Innovative company developing software solutions for the space industry, with strong experience in Earth Observation data access, data mining and quality control.

FRANCE



SINERGISE

Company with extensive expertise in developing information systems, largely built on advanced applications for web-based management, distribution and editing of geospatial data.

SLOVENIA

Serco in Europe

- Italy
- France
- Germany
- Belgium
- The Netherlands



We employ a growing workforce of more than 1,000 people in Space and IT business

OVH Global Provider



OVH Europe Data Centres

13

France

- 6 Roubaix
- 3 Strasbourg
- 1 Gravelines
- 3 Paris

1

Germany

- 1 Frankfurt

1

Poland

- 1 Warsaw



Our DIAS

- **Simple** Business Model: **fast to market** and **cost predictable** solutions for Third Party Users
- **Utility** service aiming at helping users to access and exploit geo information data and delivering benefits and services to citizens
- **Service Enabler**: providing horizontal services for Third Party users to enable and develop new solutions for the geo information market (no vertical segmentation of the market)

Addressable Users



Citizens, students, etc



Startups and Digital Natives



Small and Medium Enterprises



Public authorities,
Agencies and Large
Enterprises

Services Offer



Free of Charge Services



User Services



Discovery



View



Download



Fee based Services



Infrastructure
as a Service



Kick Start
templates for fast
deployment



Advanced API



Managed
Engineering
Services

Services Offer

Free of Charge
Services



User Services



Discovery



View



Download

Free of charge services



User Services



Discovery & View



Download

Web portal
(multilingual)



Information and
Service Desks



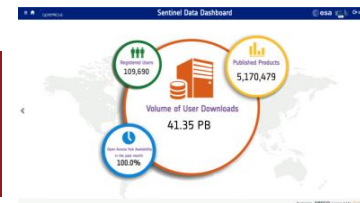
E-Learning
platform



Marketing and
promotion



Dashboard



Free of charge services



User Services

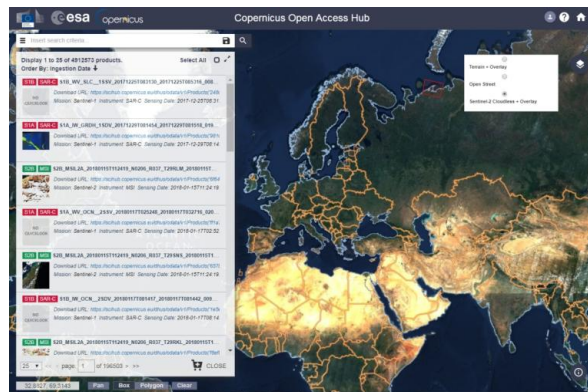


Discovery & View



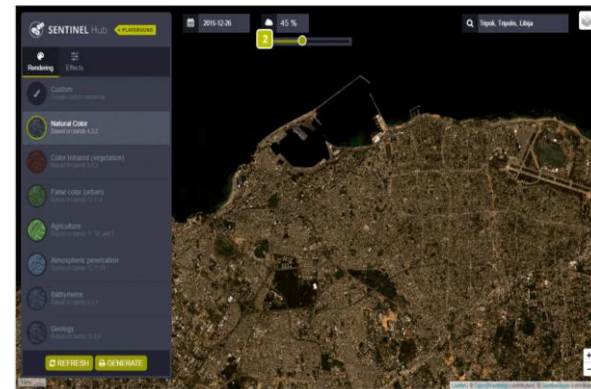
Download

Discovery



Standard catalogue interface with dedicated features (e.g. nodes discovery, etc.)

View



- Planned Acquisition View
- Standard WMS service based on Sinergise technology

Free of charge services



User Services

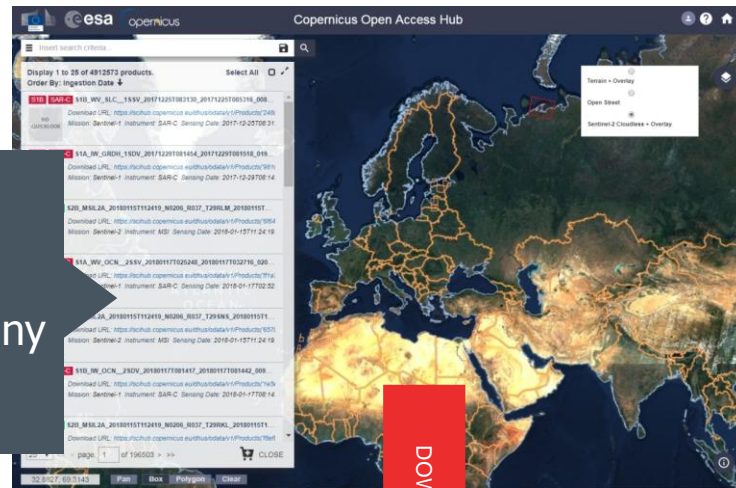


Discovery & view



Download

The DISCOVERY service includes the products **DOWNLOAD** available for any user (free and open)



Services Offer

Fee based Services



Infrastructure as a
Service



Kick Start templates for fast
deployment



Advanced API



Managed Engineering
Services

Fee based services



Infrastructure as a Service



Kick Start templates for fast deployment



Advanced API



Managed Engineering Services



- Large range of cloud services with geo information services natively available
 - Computing resources
 - Storage resources
- All services included by design:
 - Anti-DDoS, Data Replication x 3, Backup & Restore, Data Centres selection



Public Cloud



CSA



N3



UK G-Cloud 8



HIPAA



ISO/IEC 27001



ISO/IEC 27017



ISO/IEC 27018



SOC 1



Private Cloud



Hybrid Cloud

Fee based services



Infrastructure as a Service



Kick Start templates for fast deployment

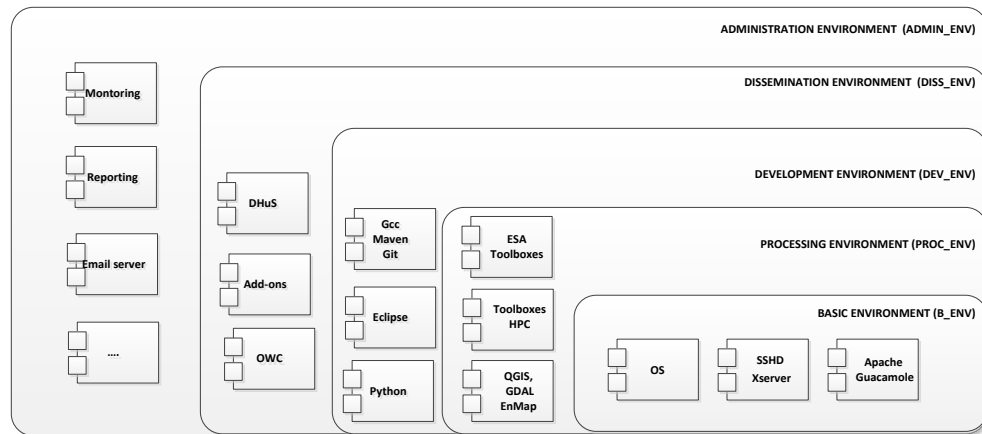


Advanced API



Managed Engineering Services

- Customised templates:
 - Basic
 - Processing
 - Development
 - Dissemination
 - Admin
- Providing tools supporting the development and management of the front-end services.
- No additional cost on top of IaaS



Fee based services



Infrastructure as a Service



Kick Start templates for fast deployment



Advanced API

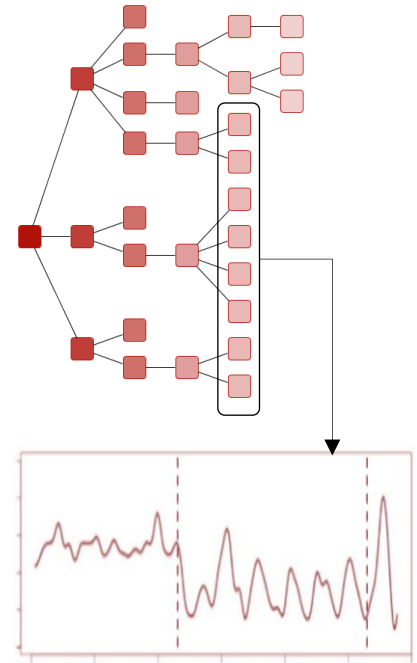


Managed Engineering Services

Elastic Node Service (ENS) API:

- Provides advanced products navigation to get a selected subset of the products without downloading the full product
- Extends traditional access by exposing the products as a **discoverable tree of nodes** presenting it like a File System
- Manages the underlying complexities of using heterogeneous datasets and libraries from different sources, e.g. straightforward integration into Jupyter scripts

In-depth exploration of the heterogeneous data structure and extraction of values from product nodes



Fee based services



Infrastructure as a Service



Kick Start templates for fast deployment



Advanced API



Managed Engineering Services

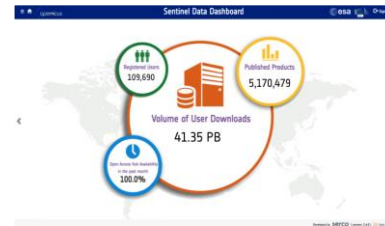
Optional Engineering Services for Third Party Users



Web Presence



Service Support



Monitoring & Dashboard



Training & Webinars



Customer Service



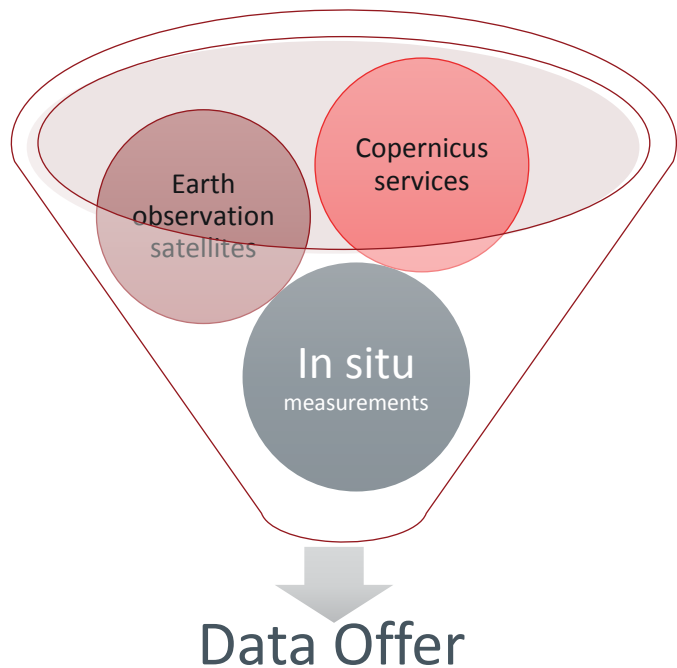
Analytics

Archive as a Service



Data Offer: Storage Content Delivery

Our Data Offer integrates data collections from different sources



Committed offer: 2 years of Sentinels on-line

Our ambition: no rolling archive thanks to our Innovation Funding Programme

Data Offer: Storage Content Delivery

Data Offer V1

EARTH
OBSERVATION
SATELLITES

- SENTINELS
- LANDSAT 8
- ENVISAT ASAR



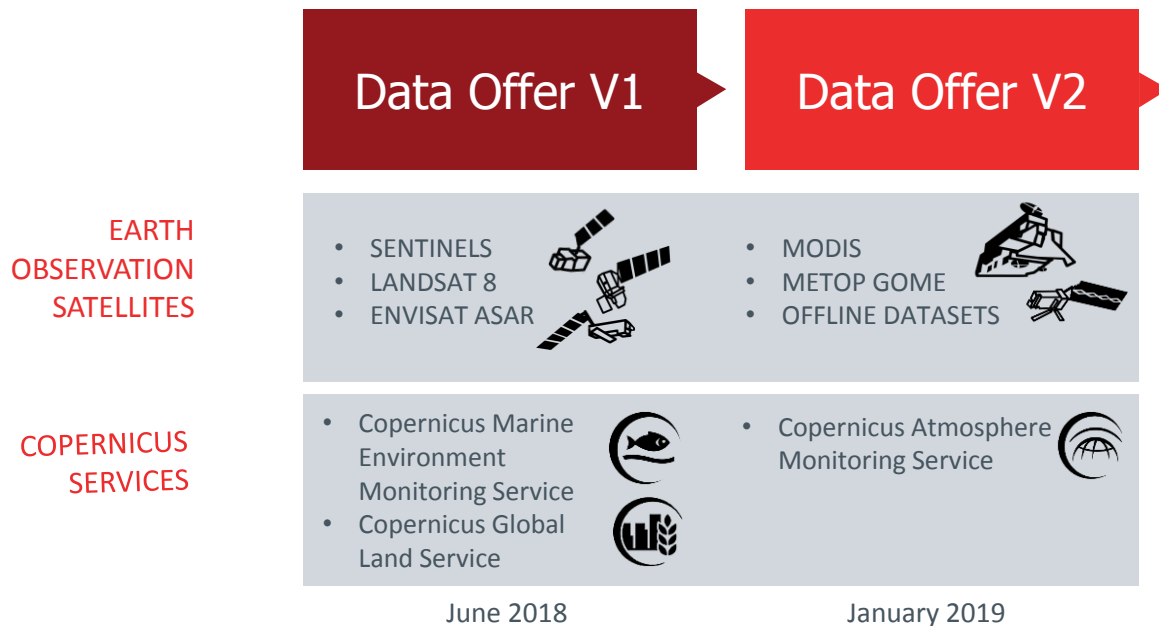
COPERNICUS
SERVICES

- Copernicus Marine Environment Monitoring Service
- Copernicus Global Land Service

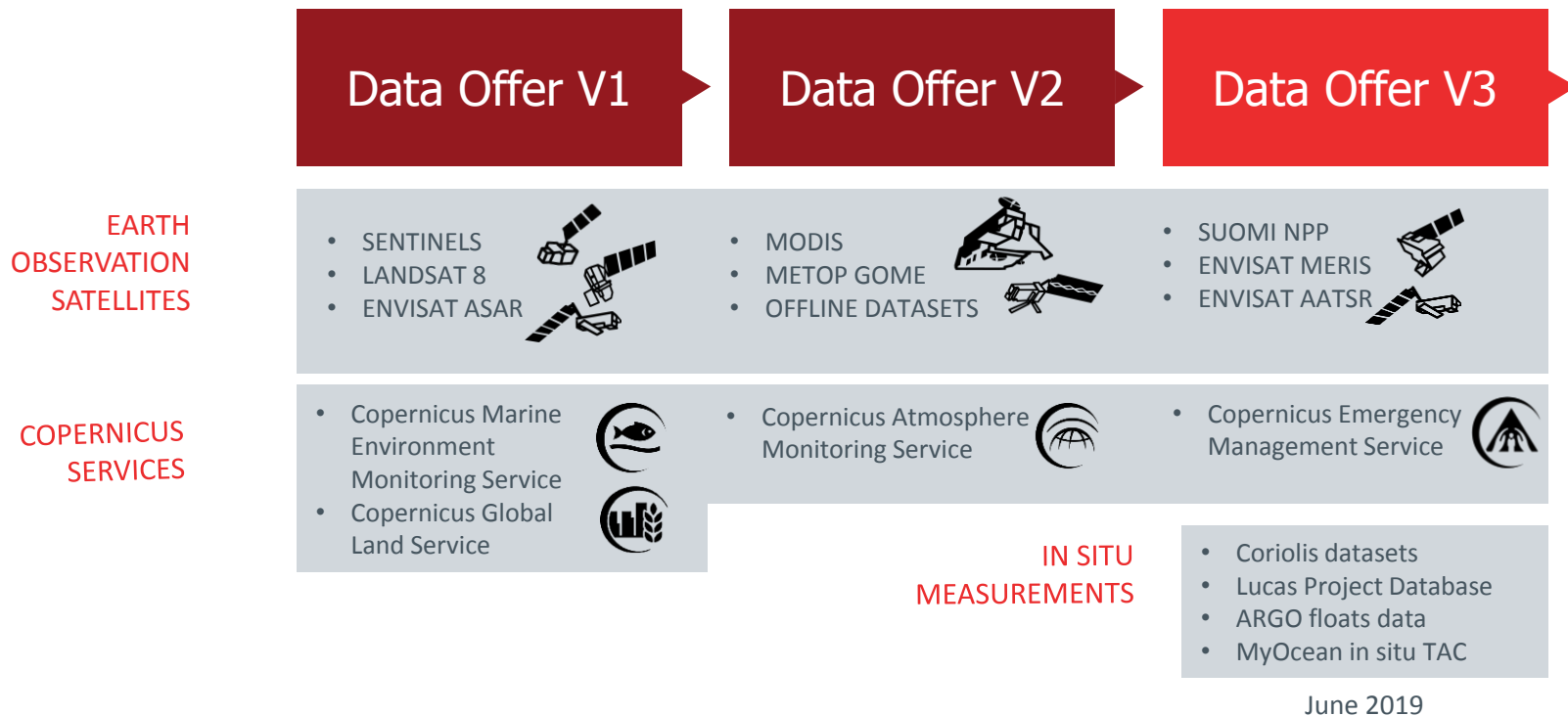


June 2018

Data Offer: Storage Content Delivery



Data Offer: Storage Content Delivery



Billing

- Pay as you go
- Subscription Models



BASIC
SUBSCRIPTION
No Subscription
USE
Pay per use

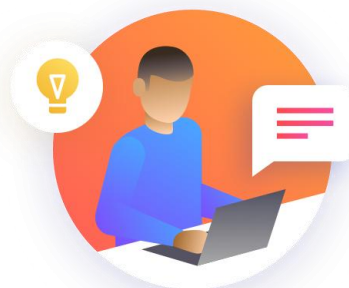
GOLD
SUBSCRIPTION
Monthly
USE
+Benefits

PREMIUM
SUBSCRIPTION
Long term
USE
+++Benefits

Use cases

From free to minimal cost per month:

- Access to huge products volume
- Easy integration of scripts (e.g. Jupyter) fitting academic needs
- Ready to use environment



From medium up to very large scale project:

- Automation of dataflow through advanced APIs
- Large economies of scale for storage and computing
- Ad hoc Engineering Services (e.g. Archive as a Service)



Marketing Strategy



Understand and Engage

Educate and Excite

Gain Commitment

Sustain and Attract

Initial steps:

- Web presence (April 2018)
- Early Adopter Programme (May 2018)
 - Objective: 50 accounts made available to selected users (e.g. Universities) to access the Services

Data and Information Access Services

coming soon





Thank you for your attention!

Point of Contact:

Guido Vingione

guido.vingione@serco.com

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