Coordinating and integRating state-of-the-art
Earth Observation Activities in the regions of
North Africa, Middle East and Balkans
and Developing Links with GEO related intiatives
toward GEOSS

**GEO-CRADLE pre-Kick-Off Meeting
Thursday, 18 February 2016**

**WP2: INVENTORY OF CAPACITIES AND USER NEEDS
T2.1: Space-borne capacities**

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# WP2/T2.1: Space-borne capacities

## Objective
to thoroughly map the regional capacities with regards to **existing EO Payload Data Ground Segments** and **related satellite missions** within a combined inventory

## Expertise
An in-depth picture of the existing capacities at national and regional level will be allowed by the presence of GEO-CRADLE partners with extensive expertise in this topic and by the involvement of representatives of EO service providers (EARSC)

## Inventory objective
(1) the initial identification of Spaceborne capacities in the RoI

(2) consolidation of the data, products and services provided by the existing Ground Segments in a dedicated database along with their metadata identifiers

**WP2/T2.1: Space-borne capacities**

## Step 1

to identify Key Actors representatives in countries/networks/projects to which distribute and collect information by the questionaire

## Step 2

In cordination with T2.2 and T2.3 TLs, to design a questionaire on the specific topic (Space-borne capacities)

## Step 3

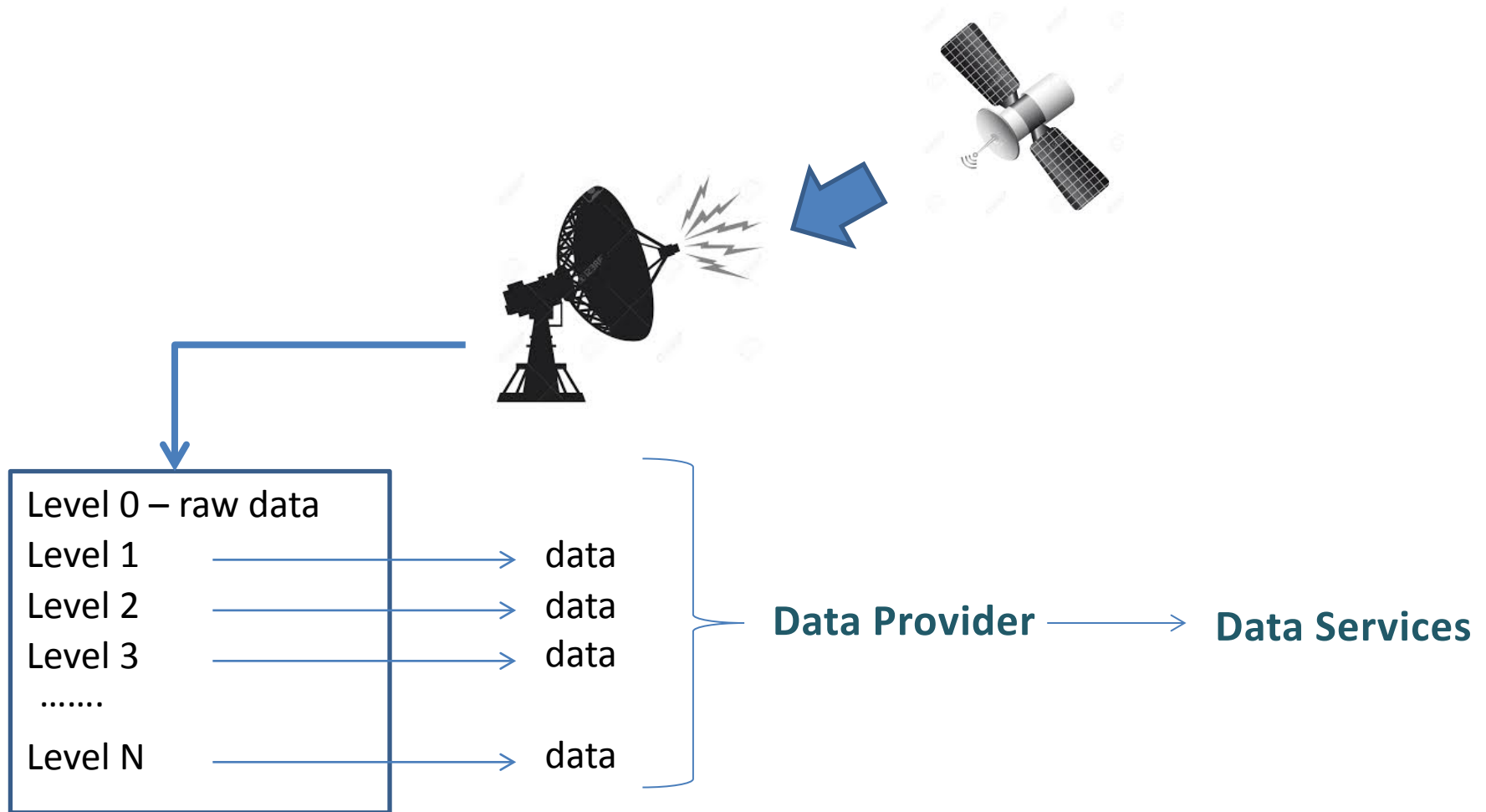to collect, to analyze and report the information to delivery an inventory

D2.4 Inventory of Space-borne capacities  dut to in July

**Possible EO Payload Data Ground Segments configuration in RoI**



Level 0 – raw data

Level 1 ——————→ data

Level 2 ——————→ data

Level 3 ——————→ data

…….

Level N ——————→ data

**Data Provider** ——→ **Data Services**

# WP2/T2.1: Space-borne capacities
## Possible required INFORMATION to the Kas on EO Payload Data
## Ground Segments (PDGS) configuration in RoI

If you have Flight Operations Segments (FOS) active in your country

If you have any Payload Data Ground Segment (PDGS) in your country

If FOS is also PDGS

If you have any PDGS in your country:

- To Which missions/satellites the PDGS is dedicated?

- Which type of data are received (e.g. Optical, SAR, MW)

- Please shortly describe the infrastructure and functions dedicated to data reception

- Which level(s) of processing are implemented in the PGDS? (e.g. level 0, 1 etc)

- Please shortly describe the infrastructure and functions dedicated to data processing and archiving

If you have any Payload Data Ground Segment (PDGS):

- does the PGDS host processors for value added higher level products (e.g. geophysical and/or meteo-hydrological parameters) **(yes/no)**

- if **yes** please provide a short description for each parameter (e.g. if applicable spatial/temporal resolution, overall quality, units)

- Does the PGDS has a dissemination function **(yes/no)**

- if **yes** please shortly describe it (e.g. functions such as user interface, catalog, ordering, data download, etc.)