

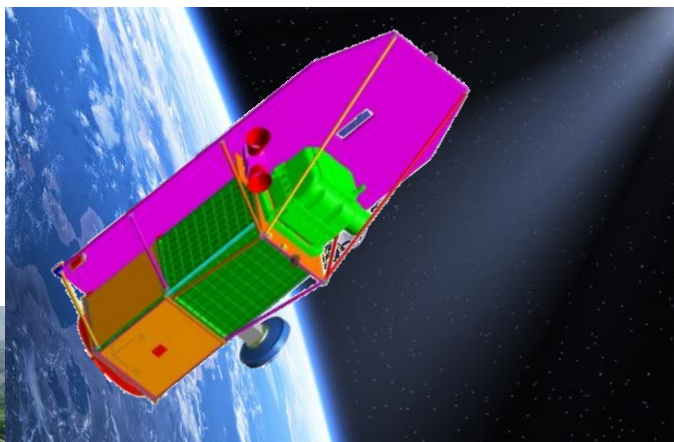
# PRISMA - Ground Segment

Roma, TPZ-Roma-DG, 02/03/2017



# ***PRISMA Ground Segment***

## ***Introduction***



PRISMA Satellite



Fucino Space Center



Matera Space Center

## The PRISMA Ground Segment (Main Objectives)

- ✦ The ground segment of the PRISMA mission is part of entire the hyperspectral imaging system which consists of a flight segment (satellite) and a ground itself.
  
- ✦ Its main objective is to meet User needs previously registered to the system with the aim to:
  - Manage and programming of new image acquisition request
  - Upload (daily) to the Satellite the image mission plan
  - Acquire and archive the data download
  - Process download data at different level (L0, L1 and L2)
  - Search and activate processing order of images stored and already present in the catalog.
  - Image data delivery to the User



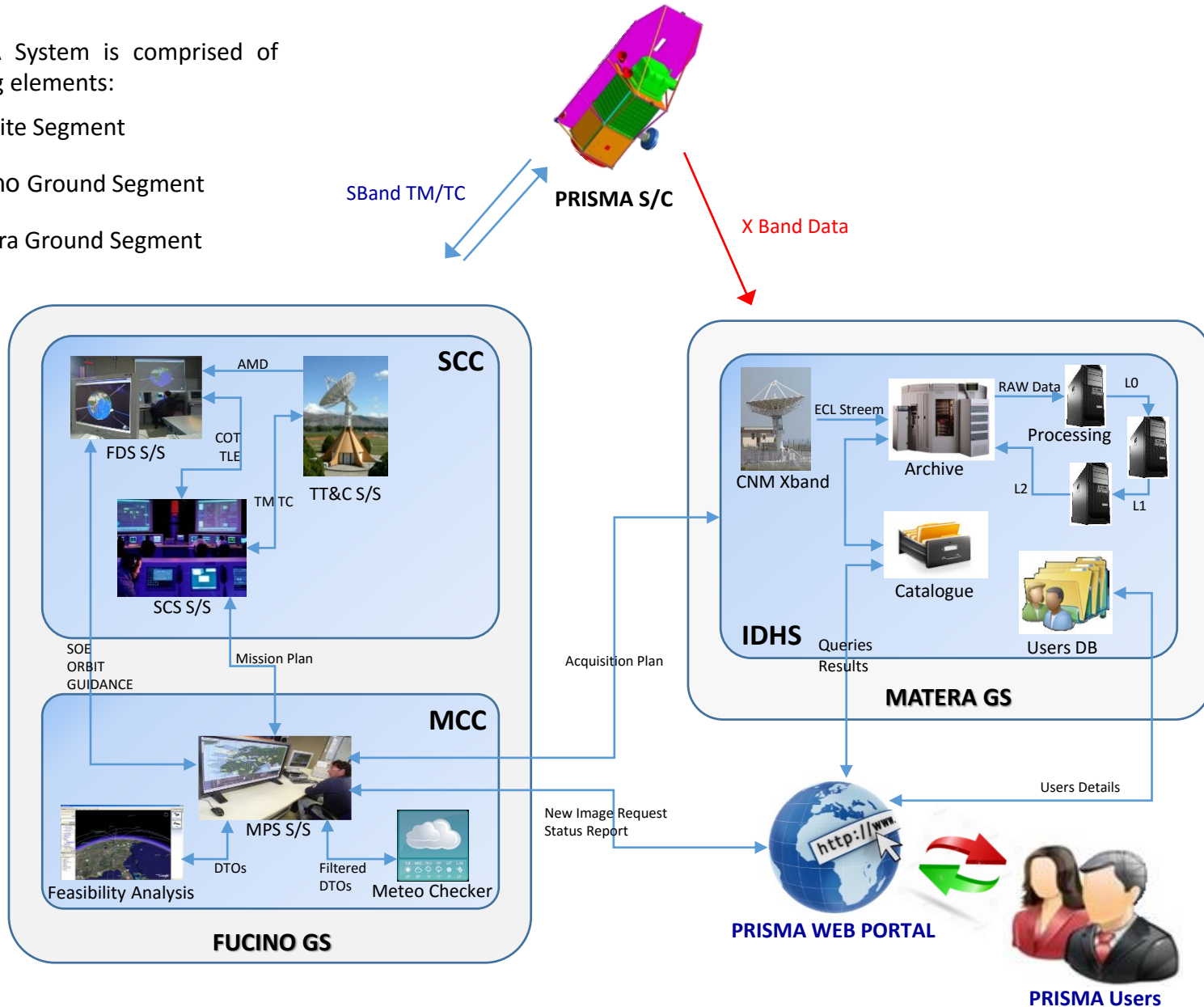
Telespazio (TPZ) and Advanced Computer System (ACS) joined in a Raggruppamento Temporaneo di Imprese” (RTI), in which Telespazio acts as “Mandataria”

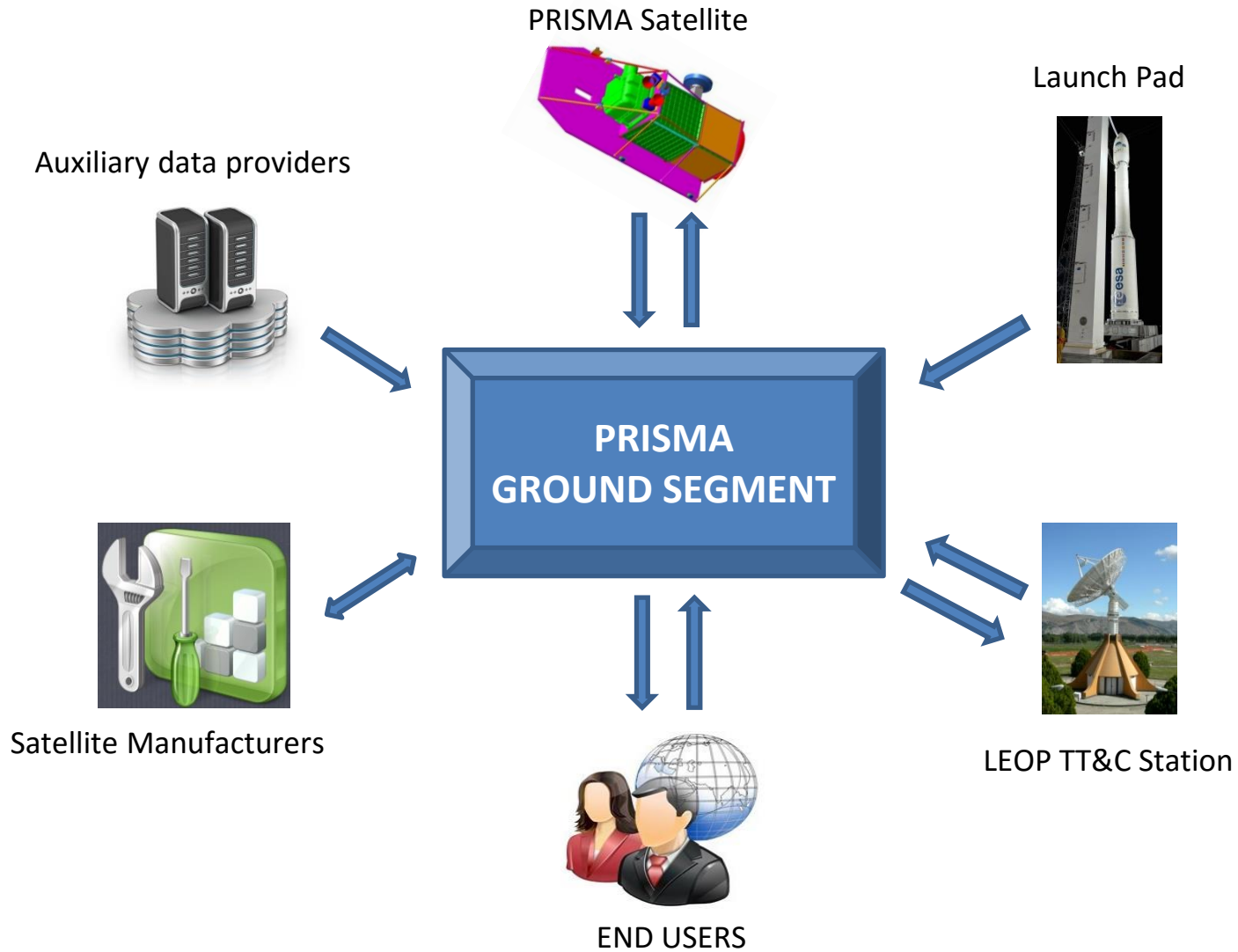
✱ Telespazio is in charge of the **overall** responsibility for the **entire Ground Segment**, including the overall Ground Segment Integration and Verification activities and the coordination of the overall Integrated Logistics and Operations:

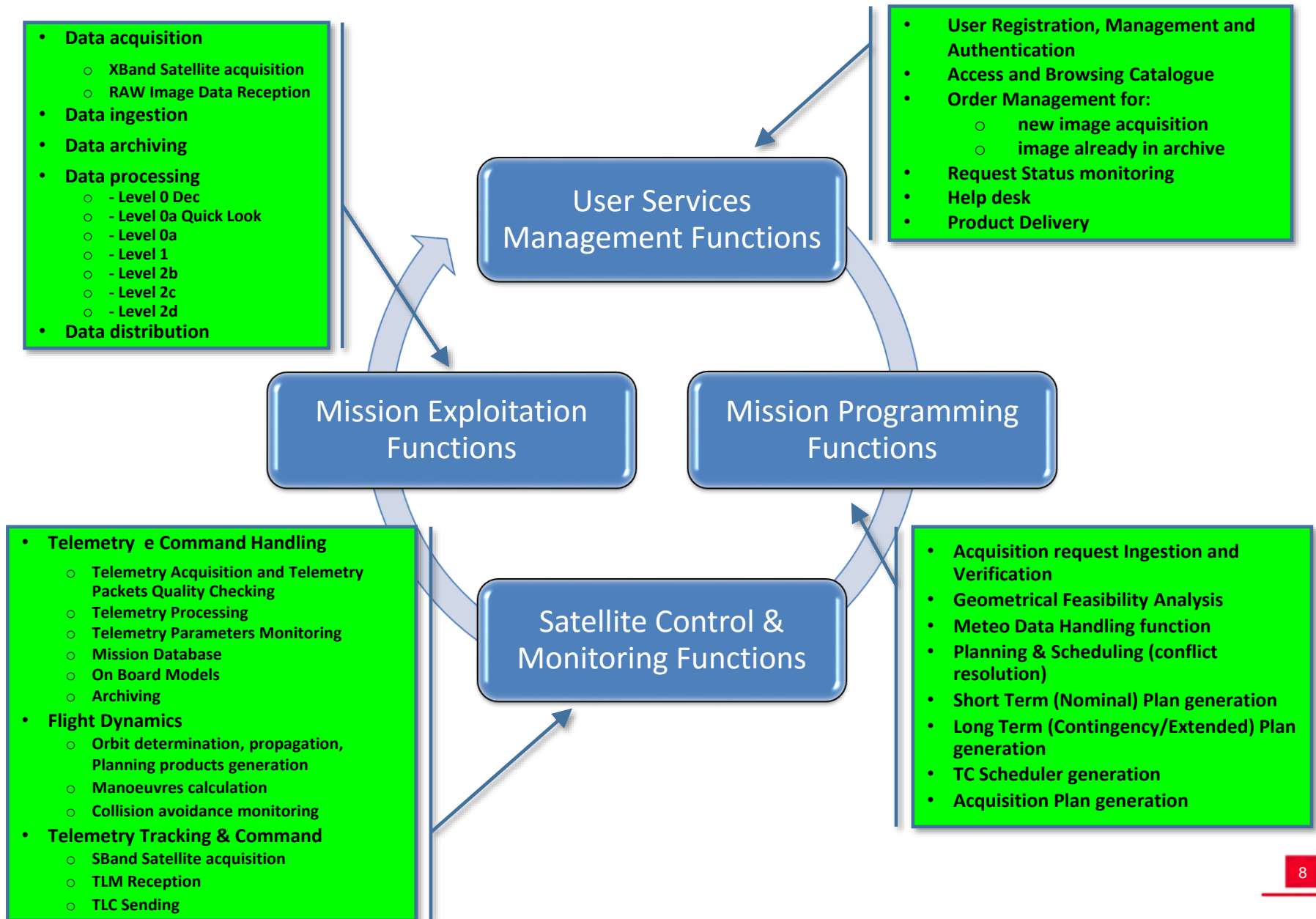
- ❑ Management of the overall PRISMA Ground Segment including the integration of all its elements, both developed by RTI TPZ/ACS and provided as CFI by OHB-I
- ❑ Management of the overall G/S ILS&OPS activities, both developed by RTI TPZ/ACS and provided as CFI by OHB-I.
- ❑ Realization of the Satellite and Mission Control Centers (SCC and MCC)
- ❑ Realization of the Image Data handling Segment (IDHS), accordingly to the industrial organization and responsibilities
- ❑ Overall Ground Segment Verification and Validation
- ❑ Overall Integrated Logistic Support and Operations

The PRISMA System is comprised of the following elements:

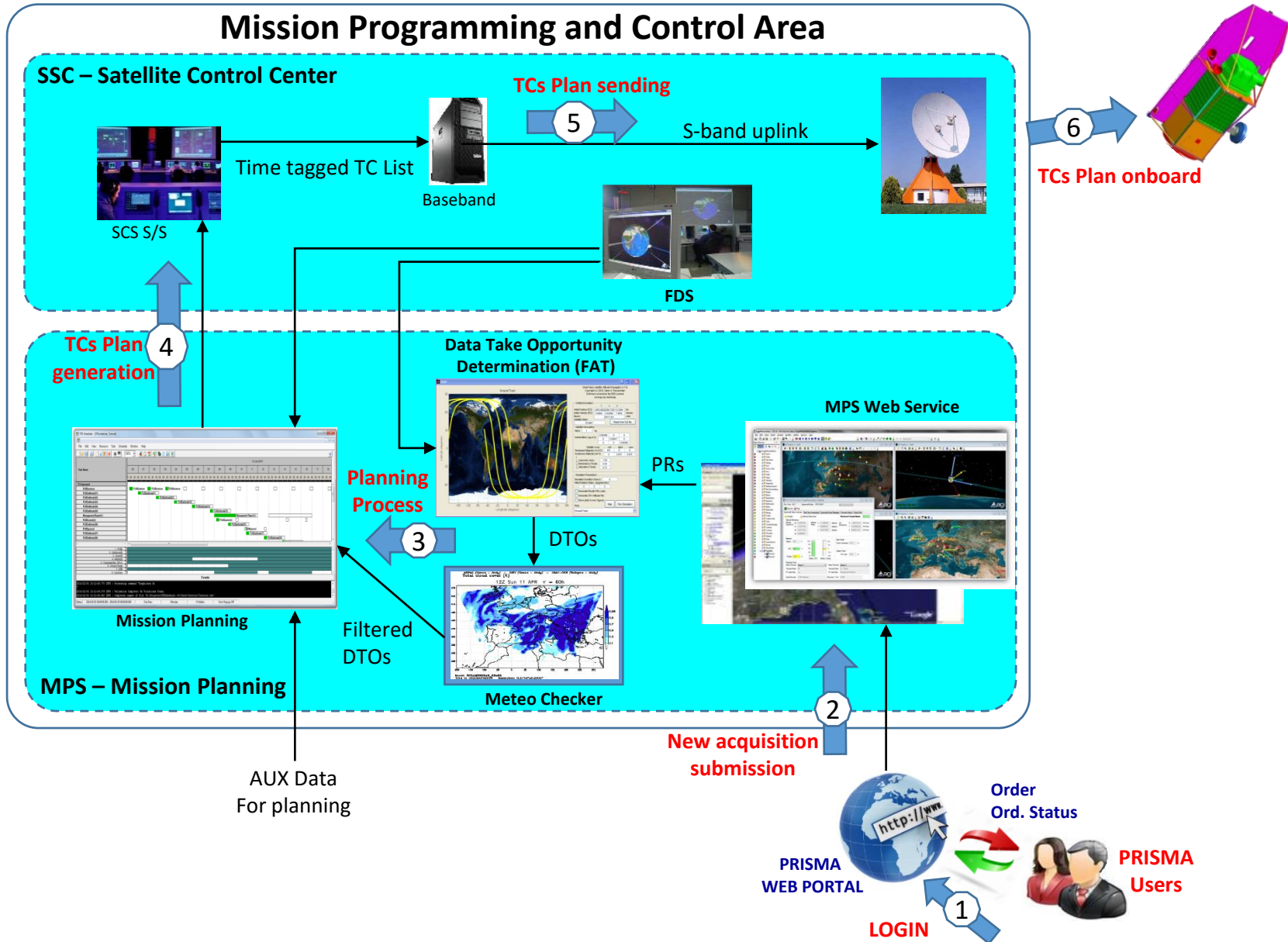
- Satellite Segment
- Fucino Ground Segment
- Matera Ground Segment



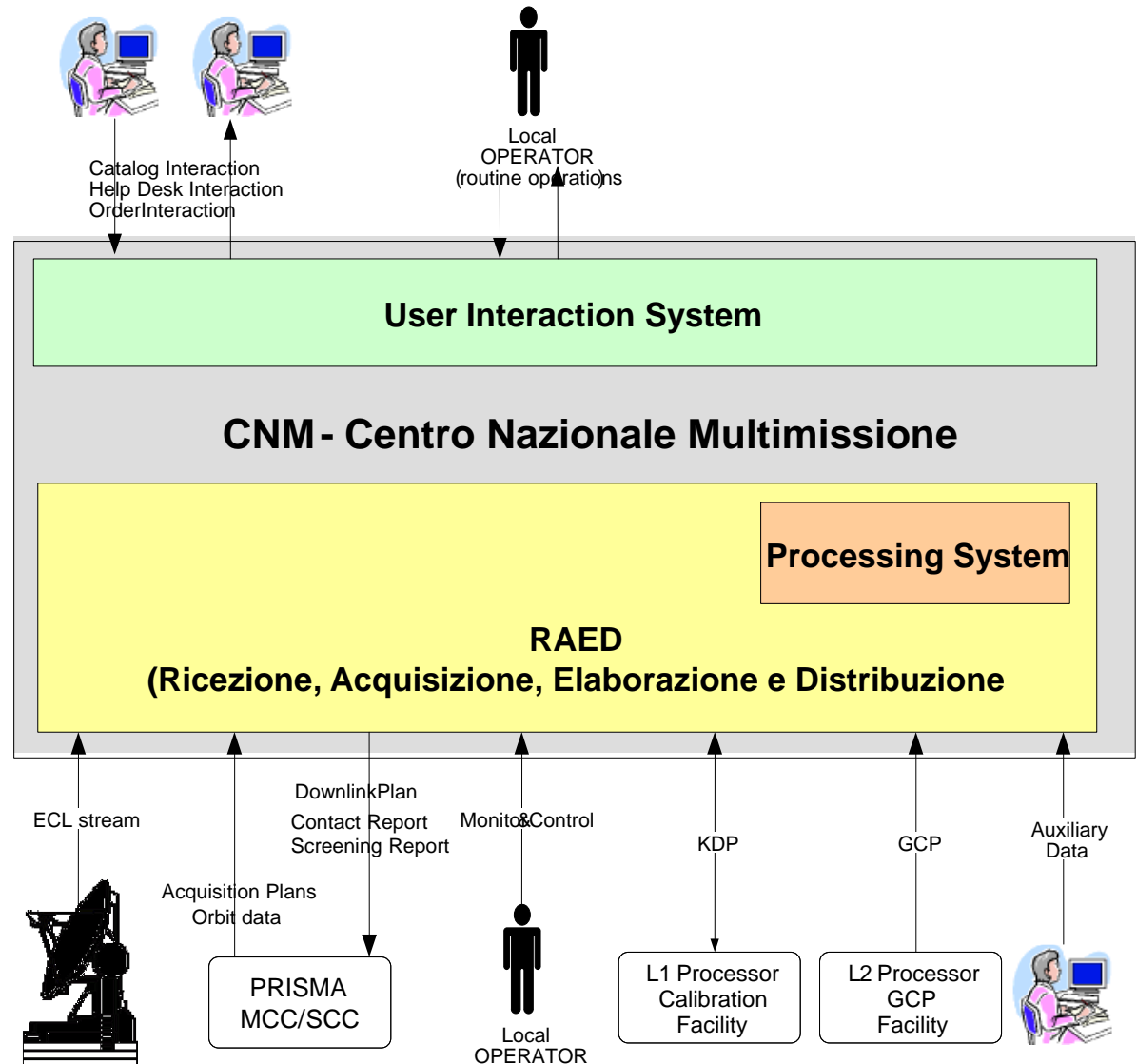


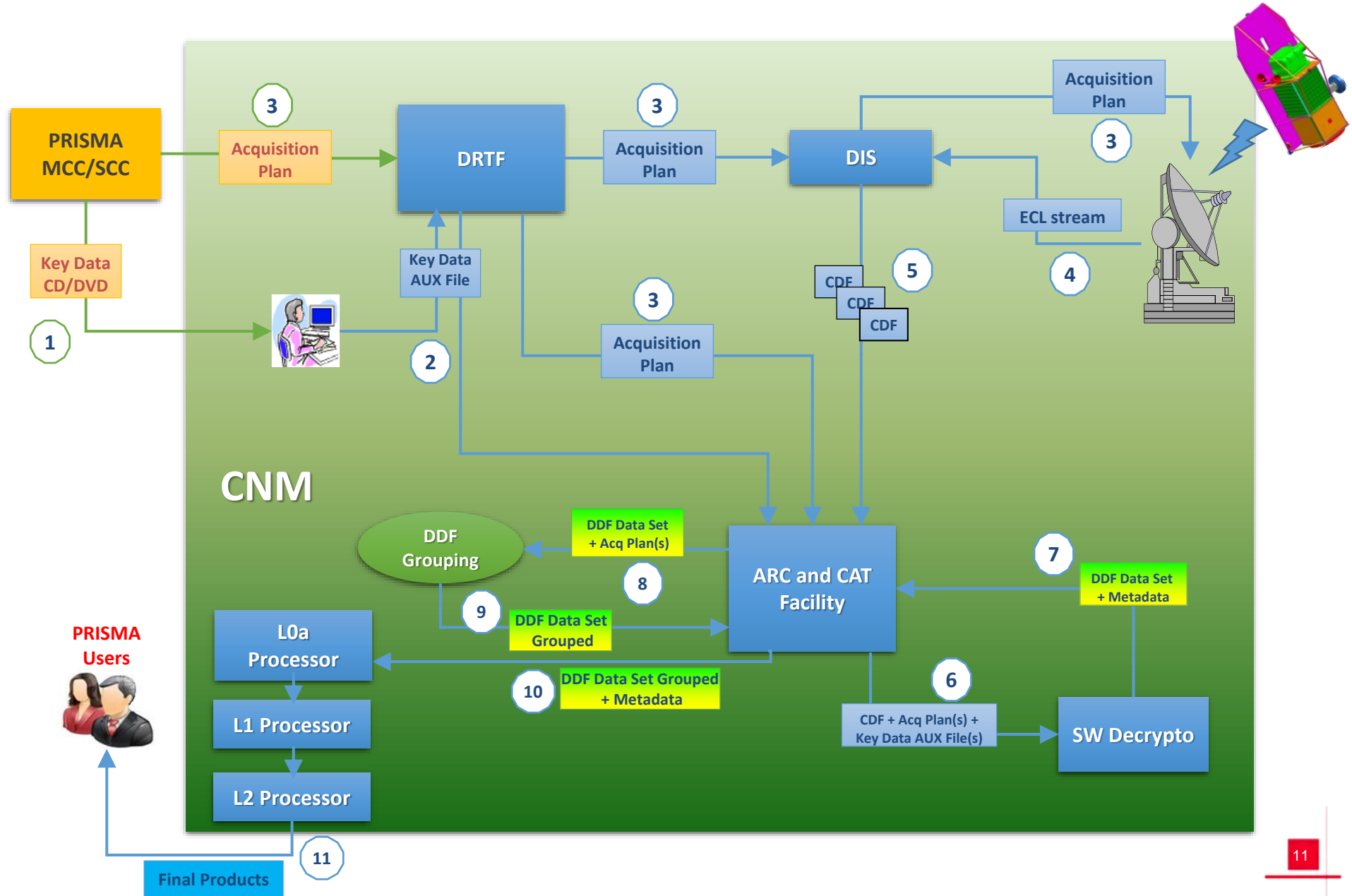




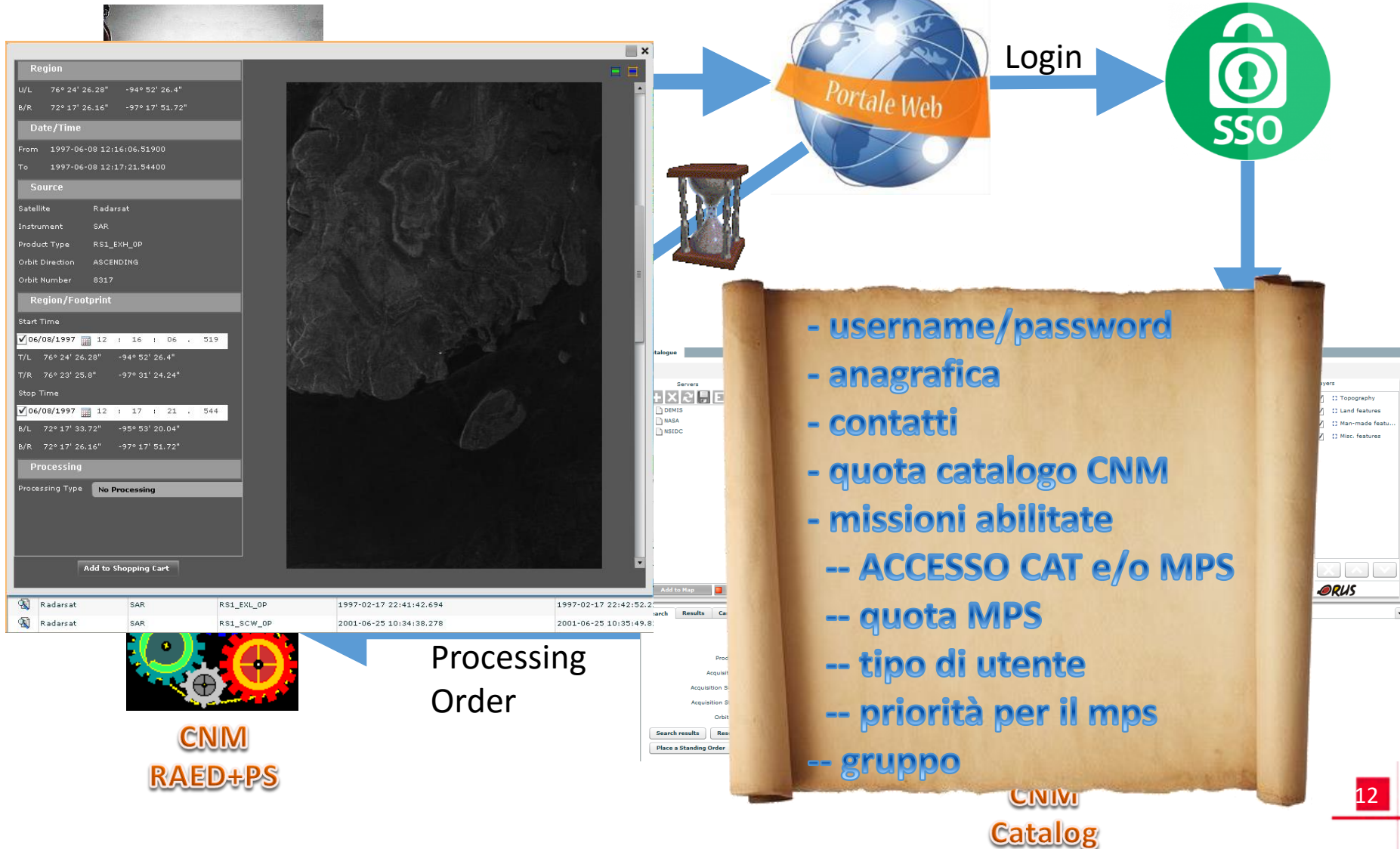


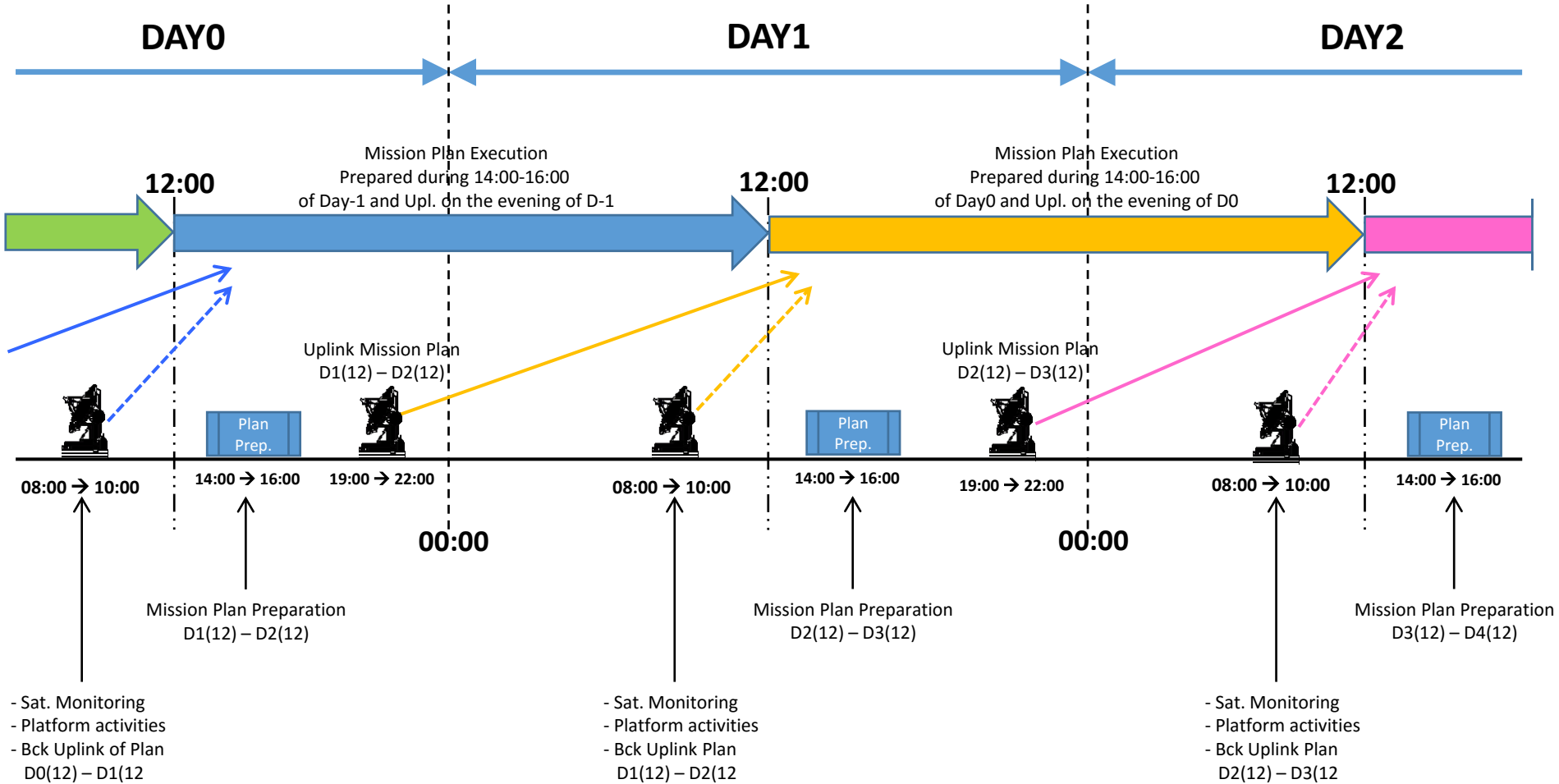
- CNM





• The User interaction





***Thank you for attention***

