

Earth Observation Mission:

- Complete Ground Coverage in < 6 month
- Minimum revisit time 24h
- Multispectral optical instrument (precision agriculture)

Reflectance at spacific wavelength	Band [nm]
R_{430}	425 - 435
R_{445}	440 - 450
R_{550}	545 - 555
R_{680}	675 - 685
R_{800}	795 - 805
R_{900}	895 - 905
R_{970}	965 - 975

Activity required:

- Design of nominal orbit
- Design of Instrument Architecture
- High Level Requirements derivation
- Detailed design of Optical part of the instrument
 - Pinhole Model
 - Optics
 - Detector
- Technical requirements derivation for the optical part and for the orbit.
- Configuration of the Instrument, not designed subsystems can be considered as black boxes in the configuration.