

Airbus Defence and Space – Space Systems

# Earth Observation, Navigation & Science

## The Future of Remote Sensing

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# The „Satellites“ Challenge

- ③ Small & micro satellite missions from commercial providers vs. „simple / cheap“ instruments to replace the „scientific dinosaurs“?
  - ③ Changing business philosophies: images for advertisement versus scientifically sound data required for decision taking and assessment of policy impacts
- ③ Increasing competition (e.g. with aerial missions such as airplanes, drones, HAPS ...) vs. integration?
  - ③ Development of nested systems taking benefit of the various capabilities of today's and future missions (EO, airborne, in-situ) in integrative and interdisciplinary approaches

# The „Data“ Challenge

- ① **“Big data”** from much more scientific and commercial missions
  - ② New strategies needed to find **„the right“** information in time in highly variable images, distributed over many places
- ① What about **content** quality assurance and control?
  - ② International standards needed for information **and** services (ISO, OGC, INSPIRE, ...)