

# Recurring Technological Themes

- There were numerous recurring technological themes of importance for all Directorates within the Agency discussed in both meetings:
  - Precision metrology,
  - Formation flying,
  - Accelerometers,
  - Satellite-satellite distance measurements,
  - Clocks,
  - Precision frequency and time measurements,
  - Detectors,
  - The change from microwave to optical frequency data transmission,
  - New propulsion systems,
  - New power sources,
  - Quantum information and computing for massive data transfer.
- These key topics do not come naturally through the bottom-up approach but which are of very great significance for all aspects of the ESA's programme