About EO Heritage Missions...

HOW MANY?

More than **45 Earth Observation missions**

WHAT ARE HERITAGE MISSIONS?

All non-operational EO missions for which ESA archives, manages and distributes data

1977 Start of **ESA data acquisition** from other agencies and distribution to users as part of the **Earthnet Programme**

1991 **ERS-1 launch** (first EO mission launched and operated/managed at ESA)

2008 ESA approved the Long Term Data Preservation Programme (**LTDP**) in Earth Observation. **Extended in 2012** to cover all ESA space data

TODAY

Heritage Missions Data managed and curated through the Heritage Space Programme

DATA ACCESS

earth.esa.int

WHAT'S NEXT?

- Improve existing datasets;
- Recover and consolidate data from additional heritage missions;
- Use state-of-the-art tools and technologies for heritage data exploitation in combination with newer missions data

OBJECTIVES AND BENEFITS?

- Long term data preservation;
- Data accessibility and usability with similar performances and tools as newer missions;
- Data improvement and reprocessing to build long time series;
- Sharing of infrastructure and services across ESA;
- International cooperation and interoperability in Earth and Space sciences

WHICH APPLICATIONS?

Climate Change; Sea levels; Surface temperatures; Melting Ice; Earthquakes and volcanic eruptions; Atmospheric composition; Deforestation; Urban mapping

WHAT FOR?

- Capability to look back in time;
- Data continuity with current/future missions;
- Research and operational applications requiring long time data series for trend analysis and monitoring of changes