

Introduction and Welcome to the 1st AAUG Meeting

Beate Stelzer and Deborah Baines

Astronomy Archives User Group Meeting, 11th June 2018

Astronomy Archives User Group (AAUG) tasks:

- Identify synergies and/or similarities in the recommendations about the future development of the Astronomy archives.
- Act as an advocate for the ESA Astronomy archives and ESASky.
- Suggest inclusion in the astronomy archives / ESASky of data not currently served but related to the missions.
- Advise ESA on the most important functionalities of ESASky and monitor its development to ensure it best meets the needs of the user community.
- Advise on the main functionalities of a possible future web service linking the Heliophysics, Planetary and Astronomical archives.

➤ Roundtable

D. Baines

- Astronomy Archives Science Lead (April 2018).
- Product owner (aka Project manager/archive scientist) for ESASky and ESA Hubble Science Archive
- Joined Archives team in ESAC July 2008 to provide science support, particularly to in past 10 years: Virtual Observatory and IVOA activities; Hubble archive; Gaia archive; Ulysses Archive; SOHO archive, core activities & ESASky (since first concept).
- Was also running the student traineeship programme at ESAC.
- 2.5 years Research Scientist at National Physical Laboratory, London, Time and Frequency group – ESA Galileo (GNSS) projects.
- 2 years UK Gemini Support Group Astronomer at the University of Oxford
- PhD in Astrophysics, University of Leeds: Resolving binaries and the circumstellar environment of Herbig Ae/Be Stars and Be stars with Spectro-astrometry. (Optical & IR spectrometry, spectro-astrometry, formation of young & intermediate mass stars).

Who are we? ESAC Science Data Centre:

The Digital Library of the Universe



Primary source of data for ESA's Space Science Missions

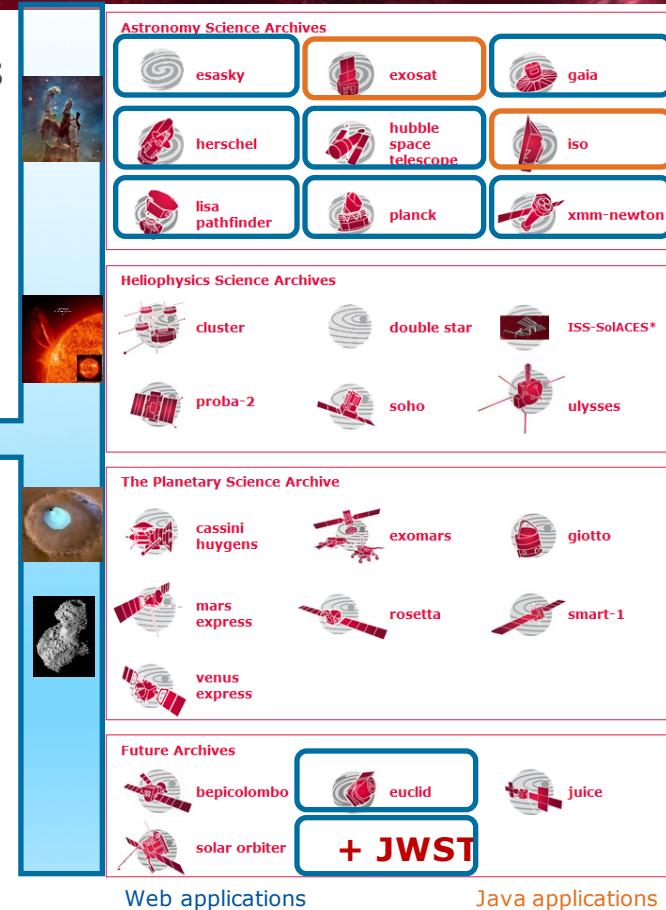
- Astro-, Planetary, Helio-, and Fundamental Physics
- Science data and added value tools
- All phases from development to Legacy

Providing Services to

- Scientific Community
- Science Ground Segments teams
- General Public and potentially Citizen Science



PRESENTING, PROMOTING AND PRESERVING
RELIABLE SPACE SCIENCE DATA



→ ESA'S FLEET ACROSS THE SPECTRUM

Thanks to cutting edge technology, astronomy is unveiling a new world around us. With ESA's fleet of spacecraft, we can explore the full spectrum of light and probe the fundamental physics that underlies our entire Universe. From cool and dusty star formation revealed only at infrared wavelengths, to hot and violent high-energy phenomena, ESA missions are charting our cosmos and even looking back to the dawn of time to discover more about our place in space.

3 in Operations
2 in Develop.
3 in Post-Ops
2 in Legacy

planck

Looking back
at the dawn of time

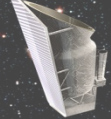


herschel

Unveiling the cool
and dusty Universe



iso

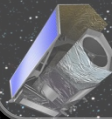


jwst 2020
Observing the first light



euclid

Probing dark matter, dark energy
and the expanding Universe



hipparcos



gaia

Surveying a billion stars



ive



hst

Expanding the frontiers
of the visible Universe



xmm-newton

Seeing deeply into the hot
and violent Universe



**lisa
pathfinder**

Testing the technology
for gravitational
wave detection

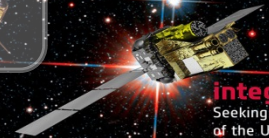


Exosat

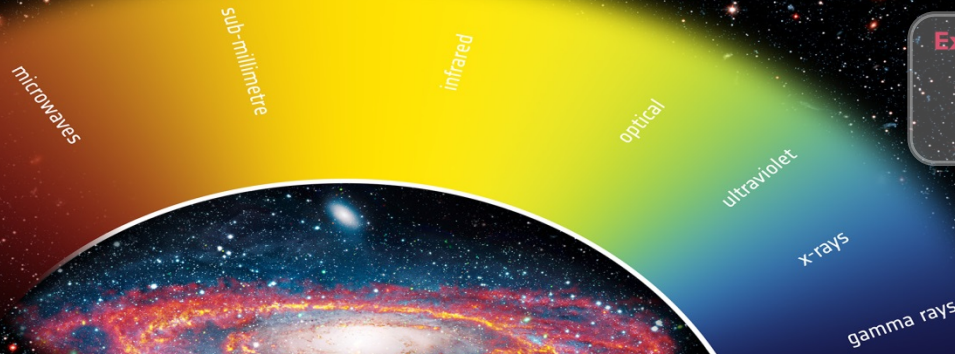


integral

Seeking out the extremes
of the Universe



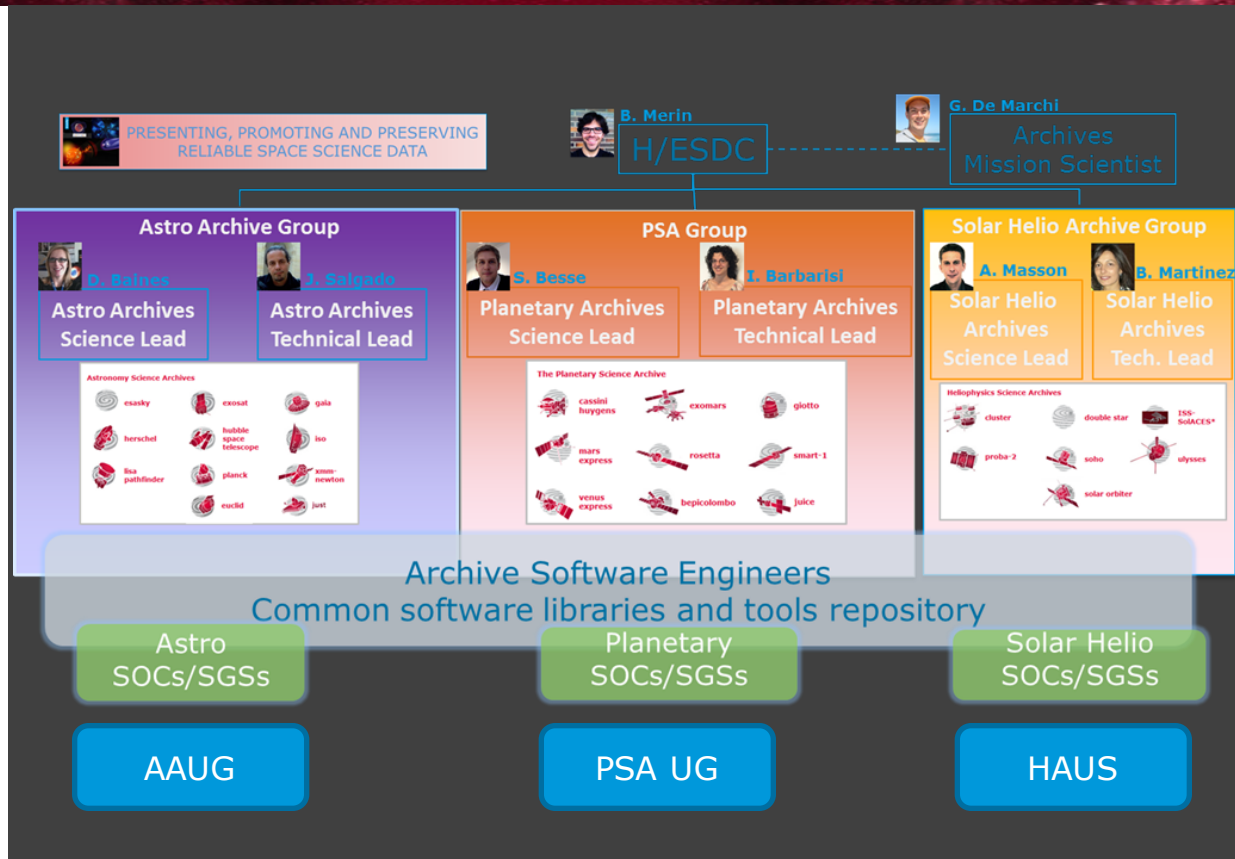
CosB



Enable synergies across and within the projects



- ESDC composed of scientists and SW engineers
- One team providing horizontal support to all mission SGSs / SOC
- Archive scientists are product owners of their archive.
- Ensure global overview and continuity through all phases of the missions



Monday 11th June, 14:00 - 18:30

14:00-14:10	Introduction and welcome (D. Baines, B. Stelzer)
14:10-14:15	Adoption of the agenda (All)
14:15-14:45	ESA Project Scientists (Jan Tauber)
14:45-16:00	ESDC website and discussion: feedback on archives from members (All)
16:00-16:30	Coffee
16:30-17:15	Feedback on archives from members (All)
17:15-17:30	EHST description (D. Baines)
17:30-18:30	ESASky demo + discussion (D Baines)

Tuesday 12th June, 9:00 - 15:00

9:00-10:45	Archives long-term strategy (G de Marchi)
10:45-11:00	Coffee
11:00-11:30	Enhancing visibility and usage of ESA archives
11:30-11:40	Date and time of next meeting (All)
11:40-12:00	AOB
12:00-13:30	Lunch
13:30-15:00	Closed session