

# Archival Research Visitor Programme

Guido De Marchi

Head Scientist

ESAC Science Data Centre

# Actively engage young scientists



- Major goal of our long-term strategy is to present and promote ESA data to early-career scientists
- Several options considered, including:
  - summer schools
  - visitor programme to work at ESA on archival data
- Archival Research Visitor Programme appears most effective (fully supported by the Archives Users Groups)



# Programme goals



- Boost scientific return from missions by making archival data more visible to (and increase archives' user base)
- Foster community research by sharing mission knowledge
- Get feedback on archives' usability (important feedback)
- Keep ESA scientists aware of and engaged in community research



- Open call for scientists to propose topics of research that they would like to carry out using ESA public data at ESAC/ESTEC
- Proposers indicate data they want to use and expertise they want to learn (wide knowledge base of ESA mission scientists)
- Best ideas are selected by internal/external scientific committee (key role played by Archives User Groups)
- Visitors come to ESAC/ESTEC for a few months and receive support of local experts on data retrieval, calibration, and analysis, as well as financial support to cover the expenses

# More in detail: Who can apply



- Open to scientists from institutes in ESA Member States and Collaborating States, at all career levels, including graduate students
- Early-career scientists (< PhD+10) encouraged, but no limitations on career stage exist. Also PhD students welcome (through supervisors)
- Typical stay 1 – 3 months, also split over multiple visits
- ESA covers travel/subsistence expenses (airfare+housing+meals)
- We are able to support 10 – 15 visitors per year



- All areas of space research covered by ESA science missions
- Data to use must be publically available in ESA Science Archives
- We provide detailed information on programme web page, with list of people/expertise to check feasibility:  
[www.cosmos.esa.int/web/esdc/visitor-programme](http://www.cosmos.esa.int/web/esdc/visitor-programme)
- We encourage applicants to contact ESA experts to prepare a solid proposal

- Two calls per year, deadlines 30 April and 31 October, selection announced within two months
- First call now closed, results in next slide!
- Next deadline 3 November 2021 for visits in spring/summer (2022)
- Simple application by email (3-page PDF file)
- Selection committee includes ESA scientists and external Archives User Groups members
- Applications ranked on scientific merit (after technical feasibility)

# A warm welcome to ...



Name	Institute	Research area
Sunayana Bhargava	CEA Paris, FR	AGN-contaminated clusters in the XMM-XXL survey
Luca Franci	Queen Mary Uni., UK	Solar wind plasma: from data to models and back
Nuria Jordana	Bath Univ., UK	Search for bright radio-mm transients in Planck data
Marco Laurenti	Univ. of Rome, IT	X-ray spectroscopy & variability of high-accretion AGN
Beatriz Sanchez	Leicester Univ., UK	Space weather from spacecraft housekeeping data
Adriana Settino	Univ. of Calabria, IT	Kelvin-Helmholtz mechanism in the inner heliosphere
Robert Szakats	Budapest Obs., HU	Herschel photometry of asteroids





# Your comments and questions are welcome!



- We welcome feedback, questions, and comments
- Please type your questions and we will address them in the discussion
- Programme webpage <https://www.cosmos.esa.int/web/esdc/visitor-programme>
- You can contact us at any time at [arvp@cosmos.esa.int](mailto:arvp@cosmos.esa.int)



# Backup slides

- Programme's webpage on ESA web
- Missions' and archives distribution lists, newsletters and banners on archives' websites
- European/National professional society mailing lists (e.g. EAS, EGU, EPSC, etc.)
- ESA Science Communication office (also @esascience twitter/facebook)
- Roll-up posters at ESA booth at major conferences
- Posters sent to European institutes (as for ESA Fellowship)