

# Six years supporting the *Athena* Community Office

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@AthenaXobs



Athena X-ray Observatory



The *Athena* Community Office has been supporting the ESA's *Athena* Science Study Team and the broad *Athena* scientific community since June 2016.

**Currently, the community counts more than 1000 researchers spread around the world.**

Responsibilities:

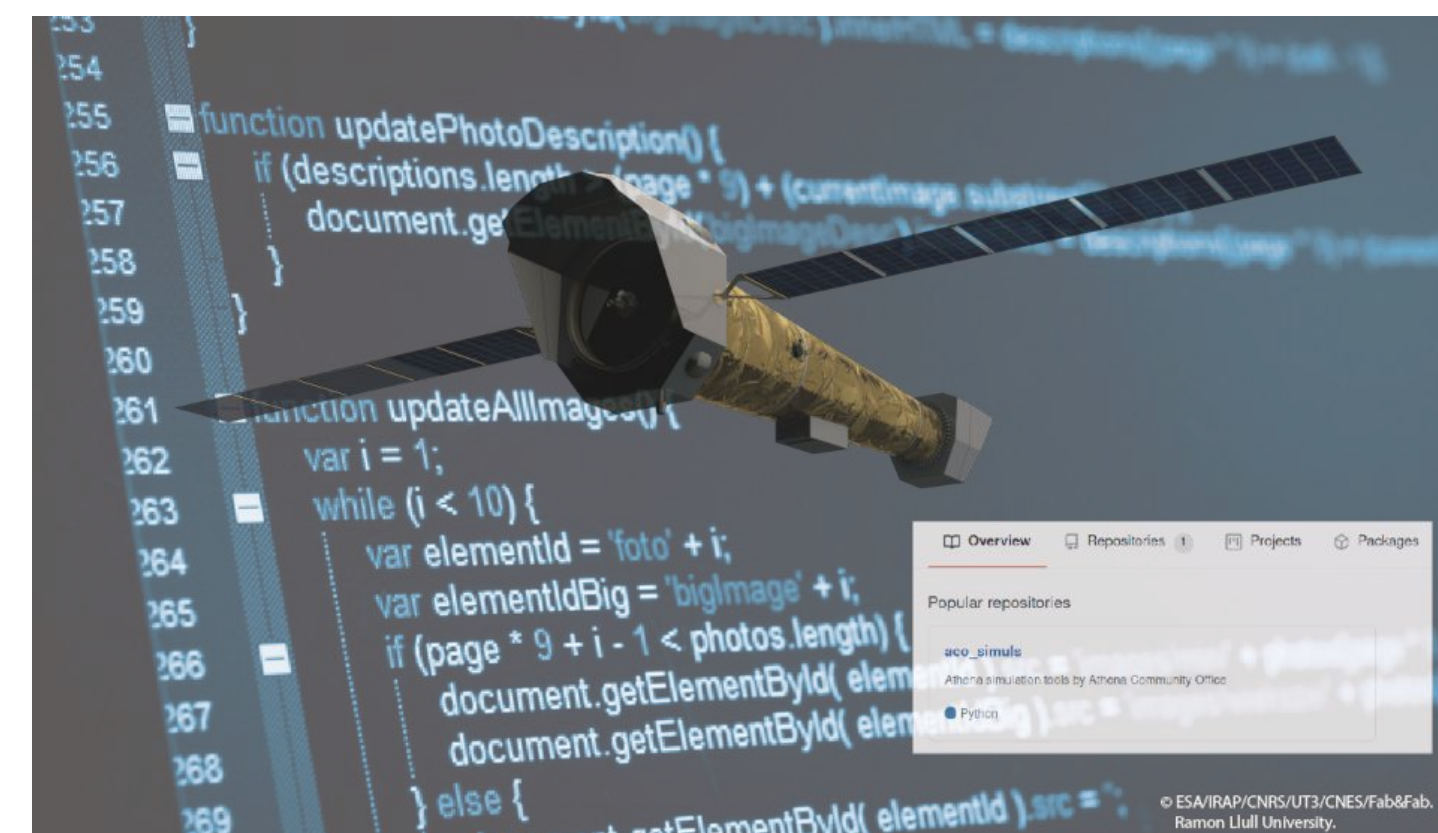
- ★ Optimisation of the community efforts.
- ★ Organisational aspects.
- ★ Keeping the *Athena* community informed.
- ★ Developing communication & outreach activities.

In this poster, we show some of the most relevant projects carried out in the last two years.

## Software

### “*Athena* WFI & X-IFU flux sensitivity simulator”

A simulation tool to determine the flux sensitivity in a given energy band for a given instrument of the *Athena* mission. The tool is written in Python and distributed openly on the GitHub platform.



## Synergies

Astronomy nowadays is multi-messenger! Following the synergy exercise with **ESO** and **SKA**, a **multi-messenger *Athena* synergy White Paper** was released on Oct. 2021. Moreover, the **Rubin-*Athena* synergy workshop** was held on Apr. 2021 and the team is preparing the associated white paper.



## Conferences

ACO has been part of the LOC or SOC of *Athena* major conferences such as the recent EAS symposium “**Towards the next generation of X-ray surveys with *Athena***”.

Currently, ACO is involved in the organisation of **the third scientific conference of *Athena*** to be held in Barcelona from 7-10 November 2022  
**(early registration open till 7th of September!)**



## Activities

Beginning in 2022, the ASST and ACO launch the “***Athena* X-ray Advances: ASST & ACO Science Webinars**”. These monthly science seminars aim to keep the *Athena* community aware of exciting new science in areas relevant to *Athena* capabilities. The entire series is in principle thought for members of the *Athena* community but, of course, it is **open to the wider astronomy community**.



## Communication & outreach

The office has realised many communication and outreach resources of interest to the community, just to mention a few of them: 64 ***Athena* nuggets**; 9 ***Athena* newsletters**; hundreds of news and 150 images published in the **gallery**.

