

## The ICT Office at INAF: today's activity and future plans.

*Tuesday, 11 June 2019 11:00 (20 minutes)*

The ICT office of the Science Directorate of INAF has the primary role to support INAF researchers in scientific and technological activities related to Information Technology (IT) at large.

IT is playing a crucial role in present and future scientific activities. New challenges in astronomy require the use of modern ICT tools and frameworks such as efficient large storage systems, distributed databases, cloud infrastructures and HPDA computing resources. Besides, new technologies and algorithms will be necessary to reduce, analyse and explore the "big data" from new experiments.

These challenges are common to all the Astronomy and Astrophysics research communities in INAF so that software development methods, scientific data management and their use through general-purpose computing facilities can be focused into a more general perspective.

ICT office is working to support the interaction between the various research community, it is willing to facilitate the exchange of experiences and share of resources when possible and useful. The services presently offered to the INAF community by the ICT Office in the area of computing, database, software development and preservation, dissemination and e-Learning are presented in this talk.

On the other side, we will also collect useful requirements and ideas to capture better the needs of INAF researchers and improve our work as ICT Office.

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**Session Classification:** Scientific Databases