

## **ESCAPE - Including experiment-specific AAI from the beginning ?** *M. Delfino 4 Sept. 2019*

- Most experiments/projects maintain a database of their members and their roles. Historically, these valuable sources of information have not been used in distributed computing and storage. The reason for this are mostly lack of interaction/communication between IT experts and project administrations, though there are additional reasons such as lack of proper export of the data and data privacy concerns.
- Some projects, such as ELIXIR and CTA, have arranged to export their membership database in computer-readable format, allowing to build services on top of this information. Unfortunately, past projects have not fully exploited this because they have concentrated on more "generic" AAI schemes such as *edugain*.
- In ESCAPE we have the opportunity to include such experiment-specific AAI from the beginning.
  - PIC can rapidly implement a proof-of-concept environment using the membership information of the MAGIC telescopes available through a PIC-operated *ldap* server.
  - PIC operates several services using the CTA user database: Login and resource access control for the Large-Size Telescope prototype IT container and WebDAV access to test data

from LSTcam and Nectarcam camera prototypes. This is done integrating into CTA's Azure-based *Active Directory Service* as well as a legacy *Idap* implementation.

- Specific proposals for ESCAPE:
  - Contact CTA Observatory and propose the integration of a prototype in ESCAPE using their *AD* service.
  - Ask other projects if they are interested in including experiment-specific AAI (I suspect gravitational waves will be interested).
  - Setup a proof-of-concept environment using PIC's *Idap* information for the MAGIC Telescopes.