PRISMA
archive and portal

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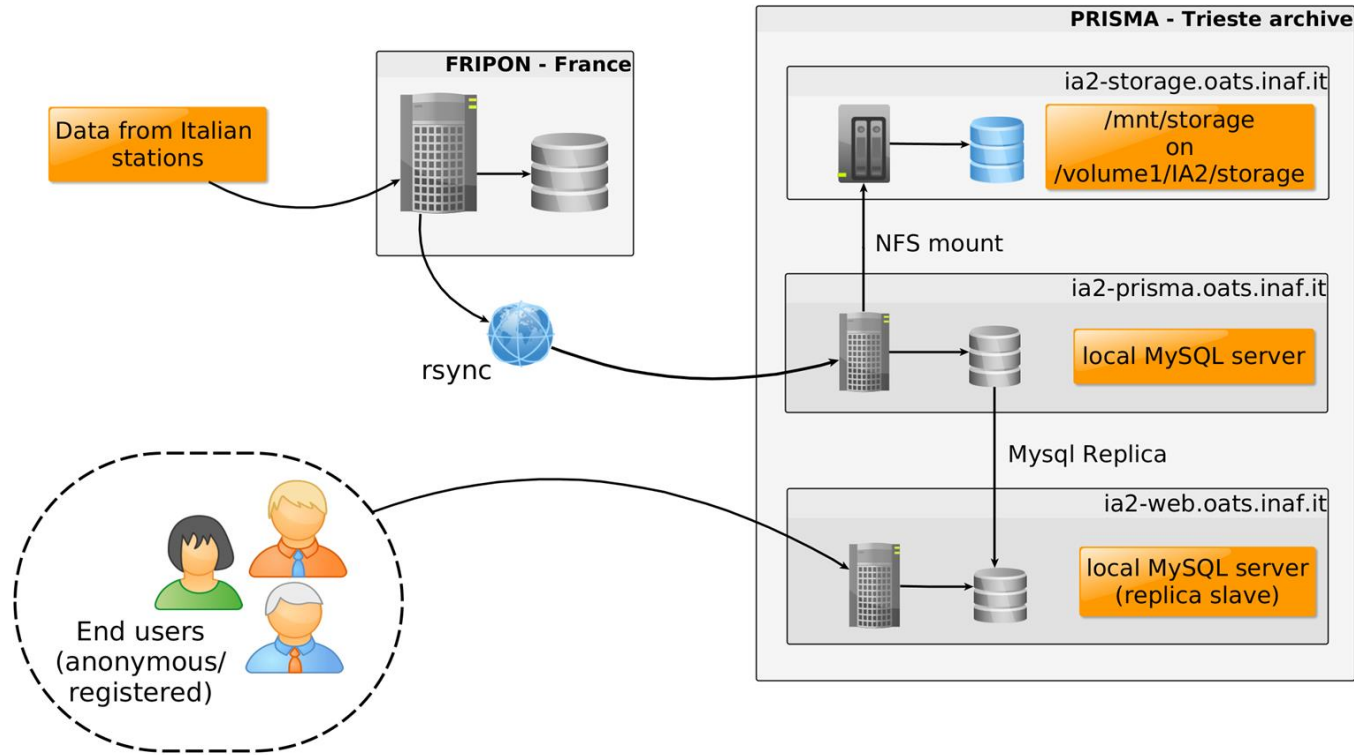Centro Italiano Archivi Astronomici (IA2)
presented by
Cosimo Antonio Volpicelli
Osservatorio Astrofisico di Torino - INAF

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PRISMA archive structure

Data description

The final version of the archive will be structured in the following tabs:

**Detections** tab: fireball data for each camera. Contains:

1. raw data (*.tar.gz, authentication needed)
2. outreach data (*.jpg, public data)
3. astrometric and photometric data (*.txt, authentication needed, available soon)

Events tab: data from all the cameras that have detected a single fireball (*.tar.gz, authentication needed)

Captures tab: long-exposures (taken every 10 minutes), available for each active camera, preview available (*.FITS, authentication needed);

Calibrations tab: output coming from the calibrations performed through the captures (data available soon), *tar.gz;
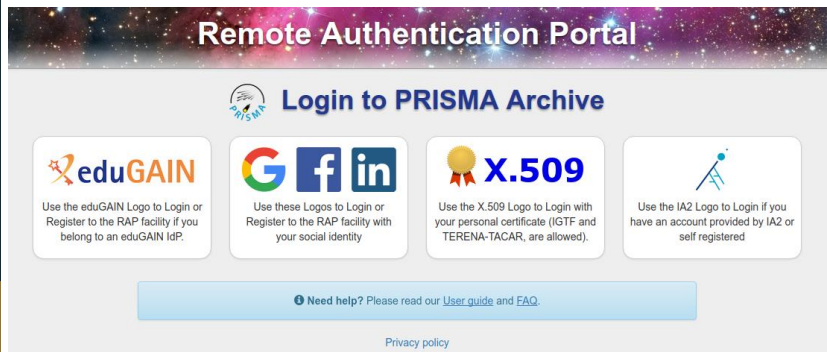
Portal architecture
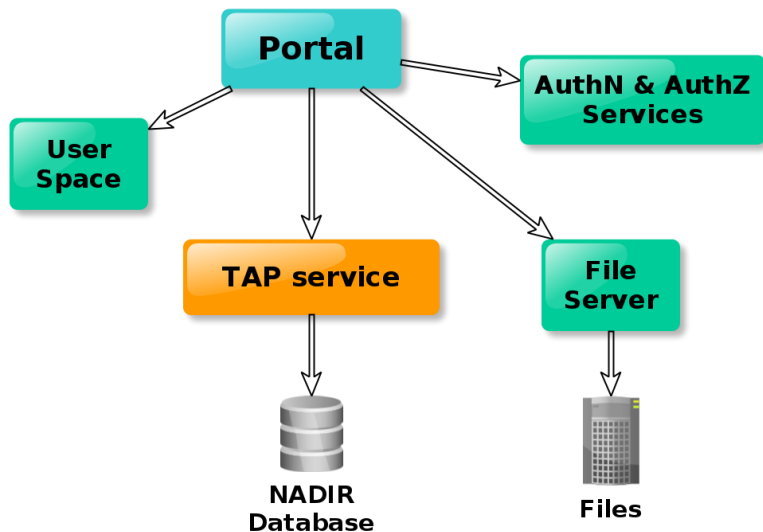
The portal depends on various web services:

- **TAP** (Table Access Protocol) service: VO standard for querying astronomical databases
- **UserSpace**: used for store files generated by the users (tar files, CSV, VOTables, ...)
- **FileServer**: given a file name, it knows how to find the file on disk and return it to the users
- **Authentication and authorization services**: for performing the login

Portal login
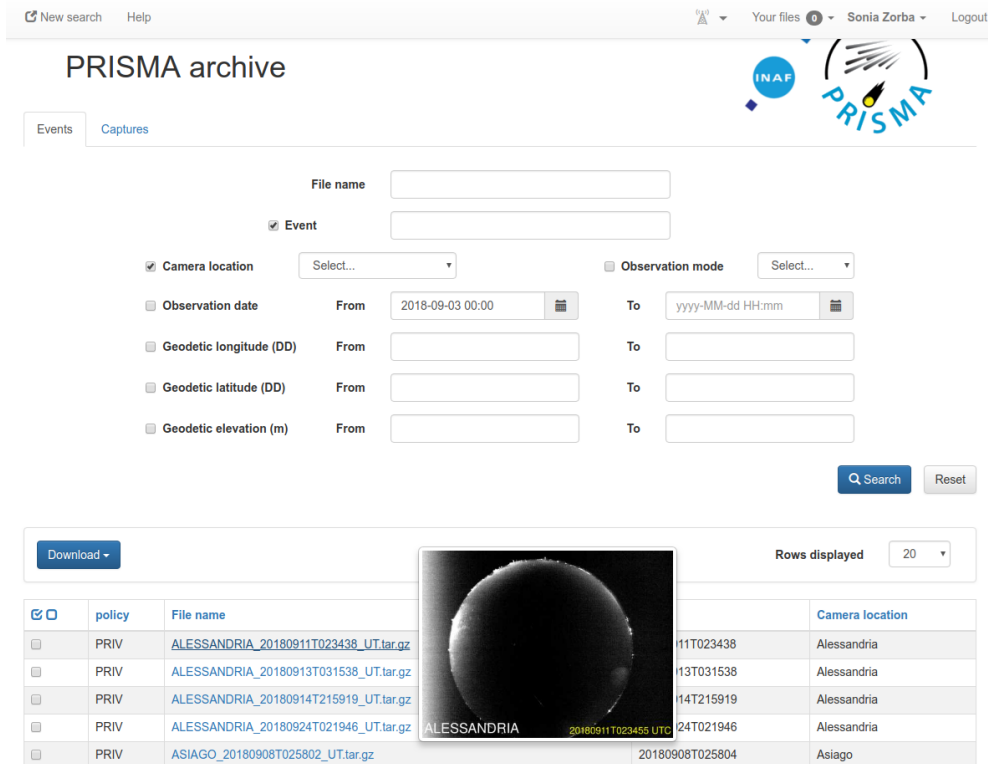
- For each station there is an administrator having full access to all PRISMA files.
- Anonymous or non-admin users can query the archive but see only the didactic images.