



# PRISMA

## archive and portal

Sonia Zorba, Elisa Londero, Cristina Knapic  
Osservatorio Astronomico di Trieste - INAF  
Centro Italiano Archivi Astronomici (IA2)

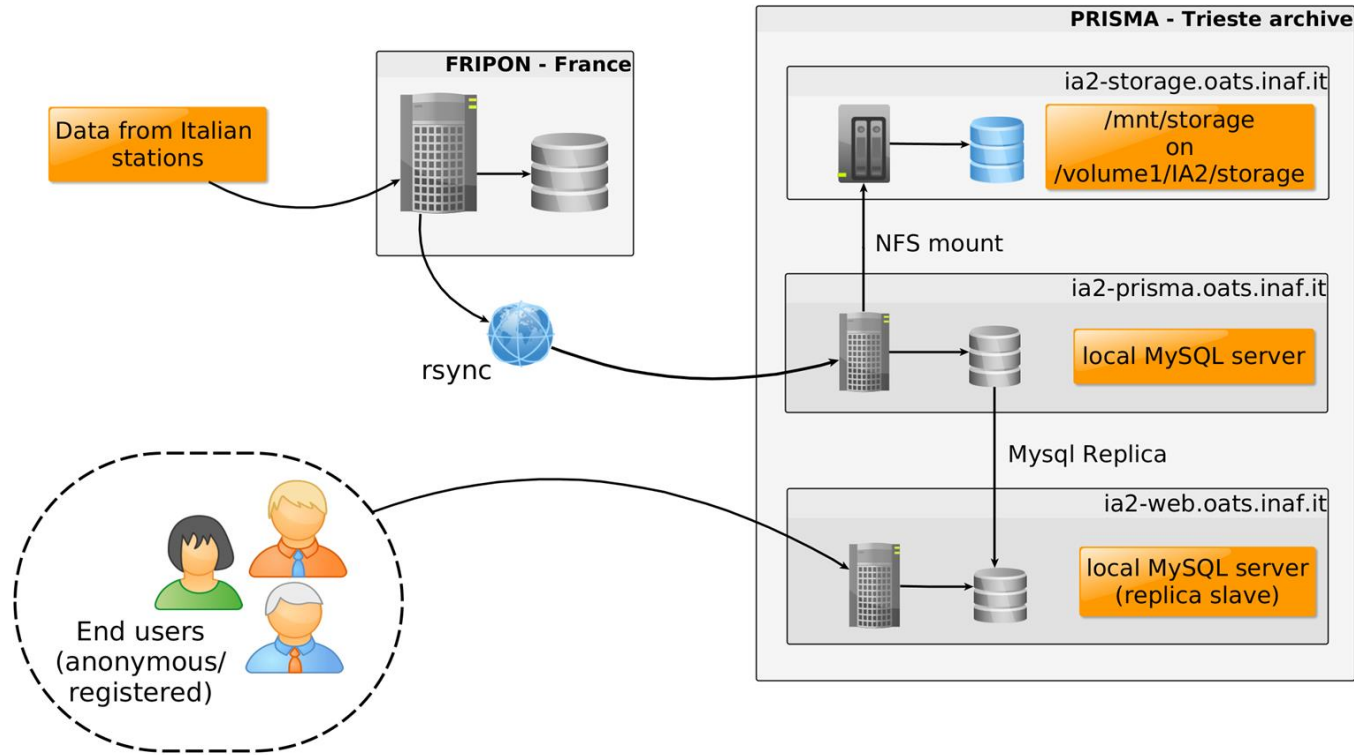
presented by

Cosimo Antonio Volpicelli  
Osservatorio Astrofisico di Torino - INAF

PRISMA Day 2018 - Bologna October 16, 2018



# 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:

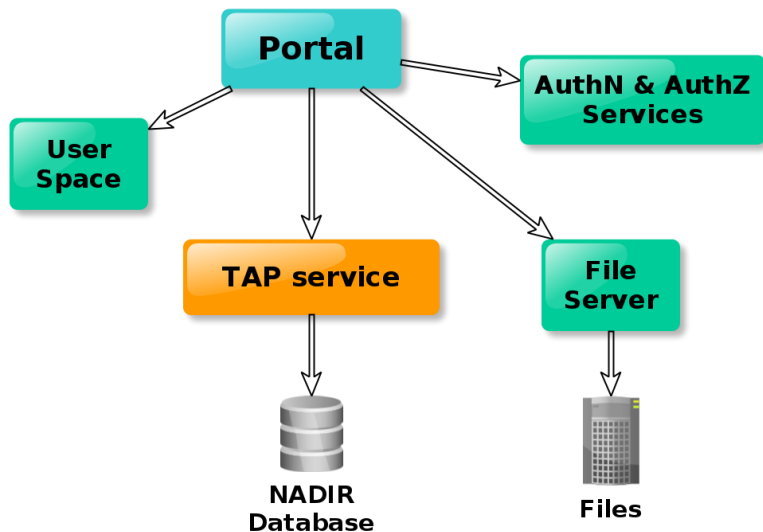
1. raw data (\*.tar.gz, authentication needed)
2. outreach data (\*.jpg, public data)
3. astrometric and photometric data (\*.txt, authentication needed, available soon)

**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;

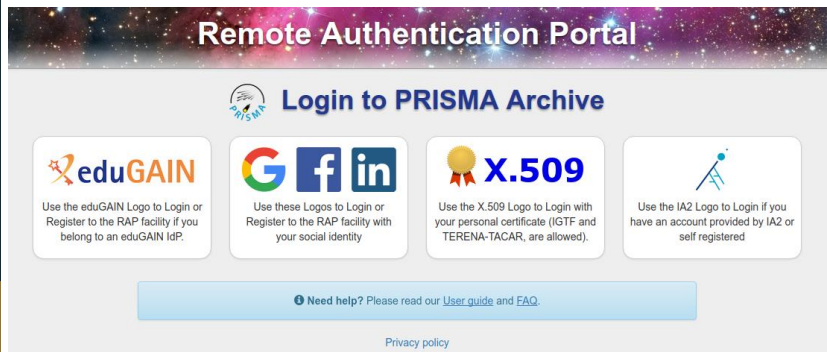
# Portal architecture



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




Remote Authentication Portal

PRISMA


## Login to PRISMA Archive




Use the eduGAIN Logo to Login or Register to the RAP facility if you belong to an eduGAIN IdP.



Use these Logos to Login or Register to the RAP facility with your social identity



Use the X.509 Logo to Login with your personal certificate (IGTF and TERENA-TACAR, are allowed).

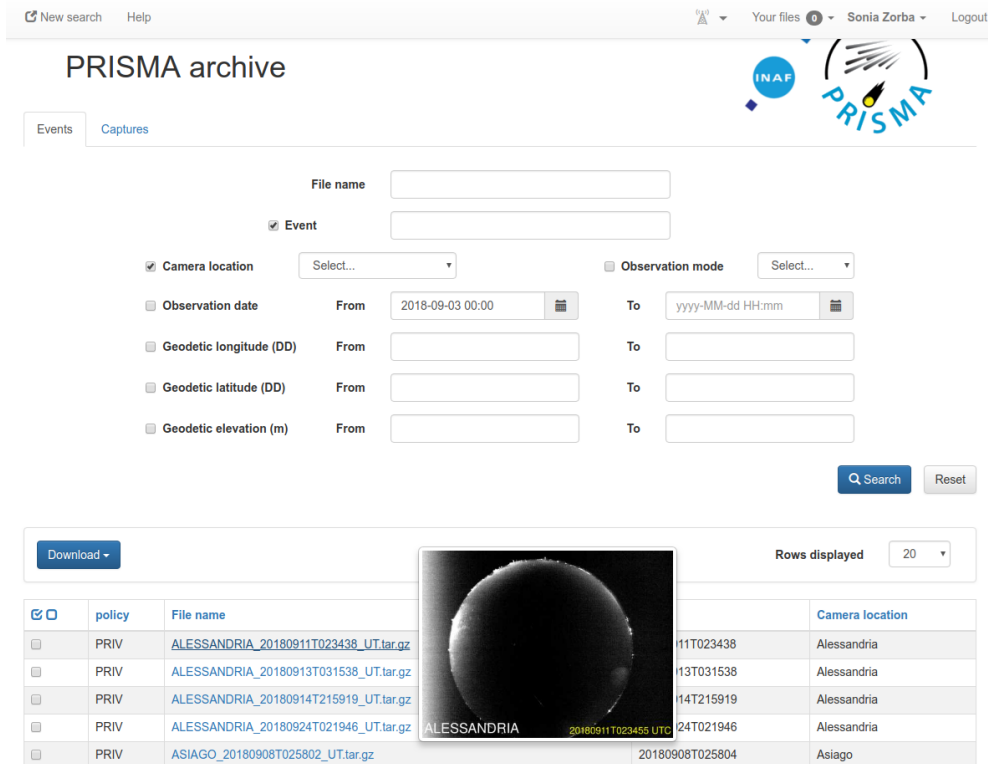


Use the IA2 Logo to Login if you have an account provided by IA2 or self registered

[Need help? Please read our User guide and FAQ.](#)

[Privacy policy](#)

- 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.



New search Help ▼ Your files ▼ Sonia Zorba ▼ Logout

## PRISMA archive

Events Captures

File name

Event

Camera location   Observation mode

Observation date From  To

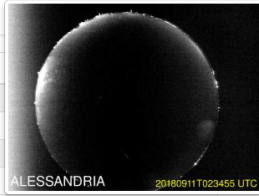
Geodetic longitude (DD) From  To

Geodetic latitude (DD) From  To

Geodetic elevation (m) From  To

Rows displayed

<input checked="" type="checkbox"/>	policy	File name	Camera location
<input type="checkbox"/>	PRIV	<a href="#">ALESSANDRIA_20180911T023438_UT.tar.gz</a>	11T023438 Alessandria
<input type="checkbox"/>	PRIV	<a href="#">ALESSANDRIA_20180913T031538_UT.tar.gz</a>	13T031538 Alessandria
<input type="checkbox"/>	PRIV	<a href="#">ALESSANDRIA_20180914T215919_UT.tar.gz</a>	14T215919 Alessandria
<input type="checkbox"/>	PRIV	<a href="#">ALESSANDRIA_20180924T021946_UT.tar.gz</a>	24T021946 Alessandria
<input type="checkbox"/>	PRIV	<a href="#">ASIAGO_20180908T025802_UT.tar.gz</a>	20180908T025804 Asiago



ALESSANDRIA 20180911T023455 UTC