

VAPE

[Virtual observatory Aided Publishing for Education] status and possible development

Marco Molinaro

Francesco Cepparo, Giulia Iafrate

INAF – OATs

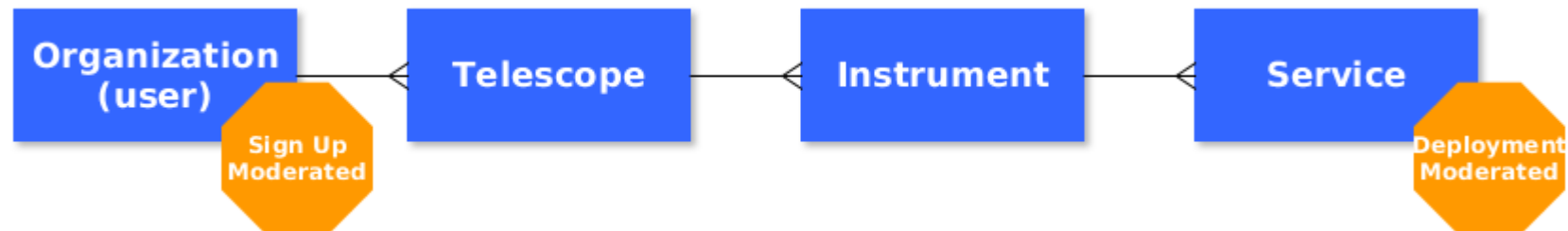


What is it?



- **Java web application**
- **Manage & glue**
 - FITS input, user/telescope/instrument details
 - Archive generation & update
 - Service description and deployment
- **GUI to semi-automate it**
- **Target: educational and amateur *organizations***

Architecture overview



- **Sign Up**
 - Moderation approval pending
- **Log in**
- **Enter telescope(s) and instrument(s) details**
- **Configure service(s)**
 - FITS to service output mapping
 - Provide sample FITS file
 - (possible iterations)
 - Service moderation approval
- **(Possibly request service registration)**
- **... upload new observation data**

Archive and Publishing



- **VAPE connects to**
 - **NADIR** (New Archive Distributed Infrastrucure)
 - Archive and DB generation
 - **VO-Dance**
 - DB view
 - Metadata mapping
 - Service deployment
- **Sets requirements on configurations**

Hide *tech* details



- **Telescope/instrument data, FITS common keywords mapped directly without user intervention**
- **Specific mappings (e.g. position, resolutions) done by user *once*, verified and stored for reuse**
- **Mapping aided GUI functionality**
- **File listings per service**
 - MD5 checks (No way to reload the same exact file)

Status details



- **VAPE is already deployed**
- **Currently only SIAP (1.0) is supported**
- **Only FITS is accepted as an input**
- **Used for publishing the data of the educational telescope “Le Stelle Vanno a Scuola” (SVAS)**
- **The SVAS service has been registered (EURO-VO registry)**

(possible) Future



- **Extend/Improve support for VO specifications**
- **Improve FITS management**
 - fix-ups at upload step
- **Add administration interface**
 - Automate admin tasks (currently manual)
- **Improve NADIR connection**
- **Improve service publishing**
 - Activation
 - Registration

Thank you!



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Password

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Web App

Obs.it INAF

- <http://ia2-edu.oats.inaf.it:8080/vape>

User Guide

- http://ia2-edu.oats.inaf.it/VAPE_latest.pdf