

VO-Standards in Microlensing

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Agenda

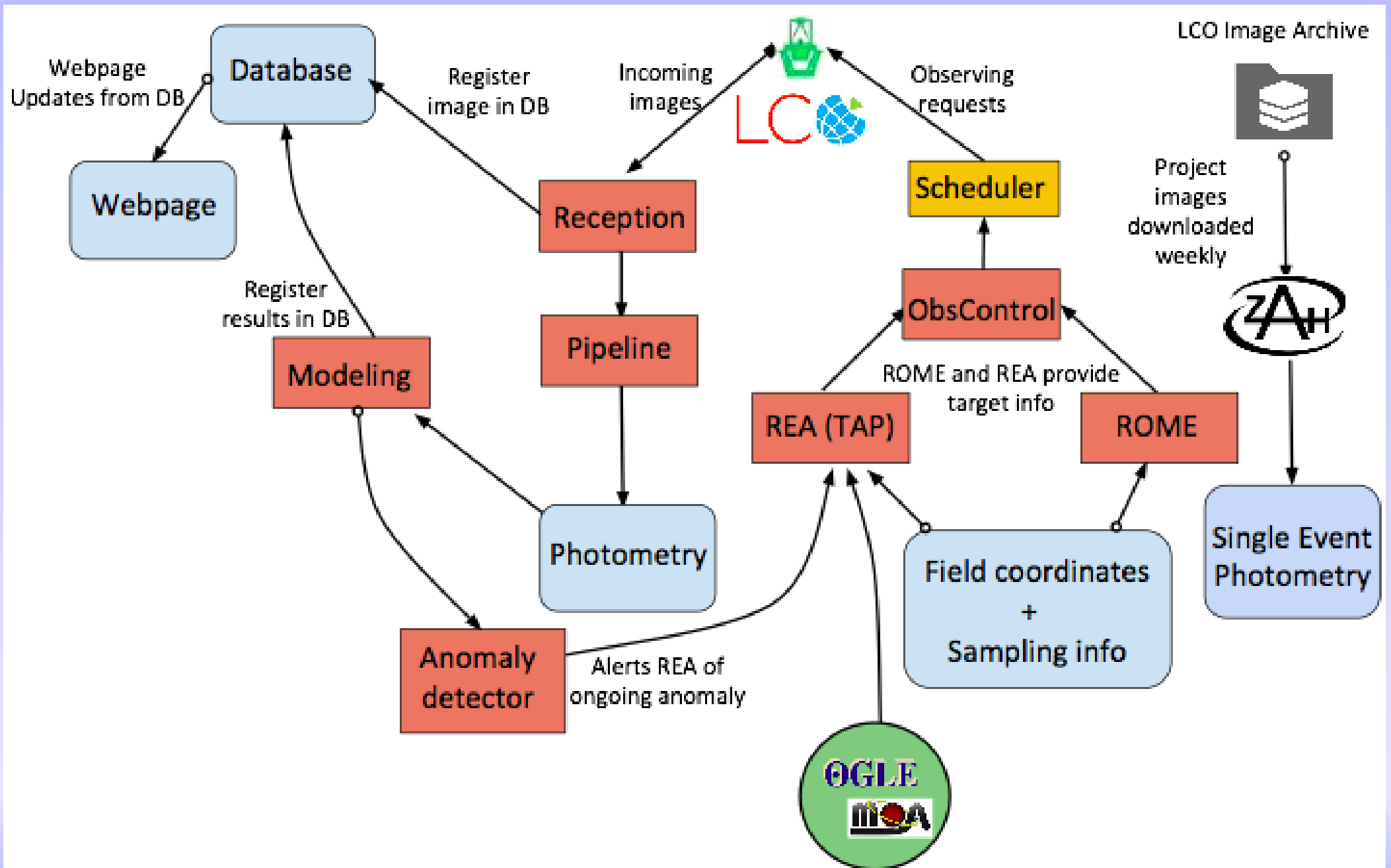
- Introduction to the microlensing Project
- Dataflow
- Used VO-tools

The Use Case

Finding Exoplanets through microlensing events

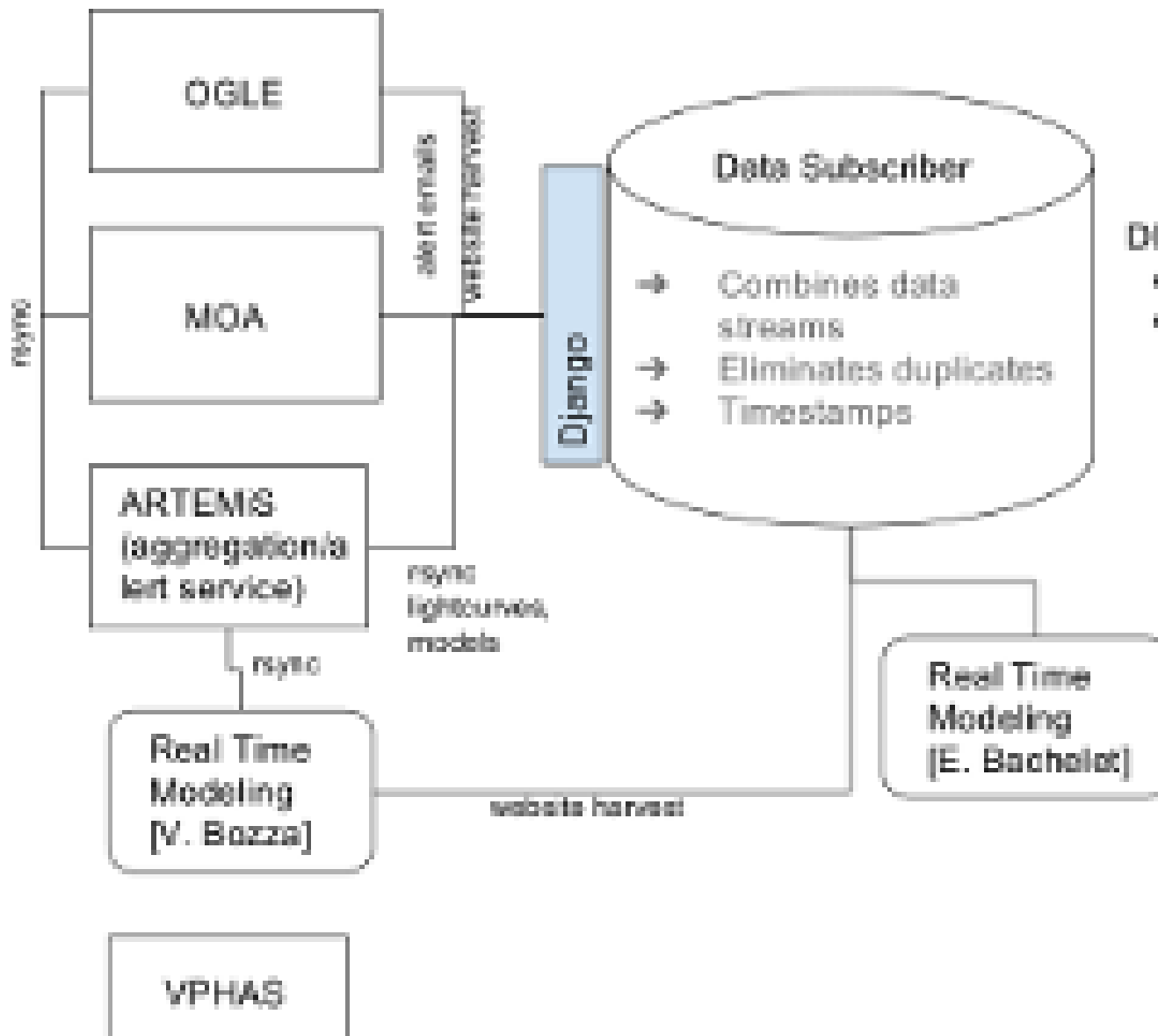
- Getting alerts about events
- Harvesting data (CMD, SED)
- Observing (RoboNet)
- Analysing (magic science)
- Publishing

Project Data Flow



RoboNet Data Subscriber System

Surveys provide:
lightcurves, metadata,
findercharts, email alerts



DB tables for...

- Events
- Relation of events

VOTable structure

.OGLE_data

.MOA_data

.VPHAS_data

Datalink

- OGLE_FITS
- Link spectra
- Link to local lightcurves
- HST

VOEvent

Used VO Tools

- PyVO, TAP, ADQL, SIAP, SSAP for harvest
- VO-table, Datalink, VO-event for storing
- After season 1: VO-Event and VTP in a brokering service
- Publishing Time Series