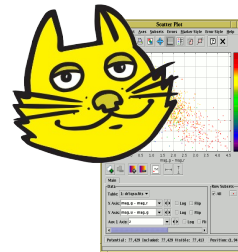




Wide Field Astronomy Unit (WFAU)

Virtual Observatory services

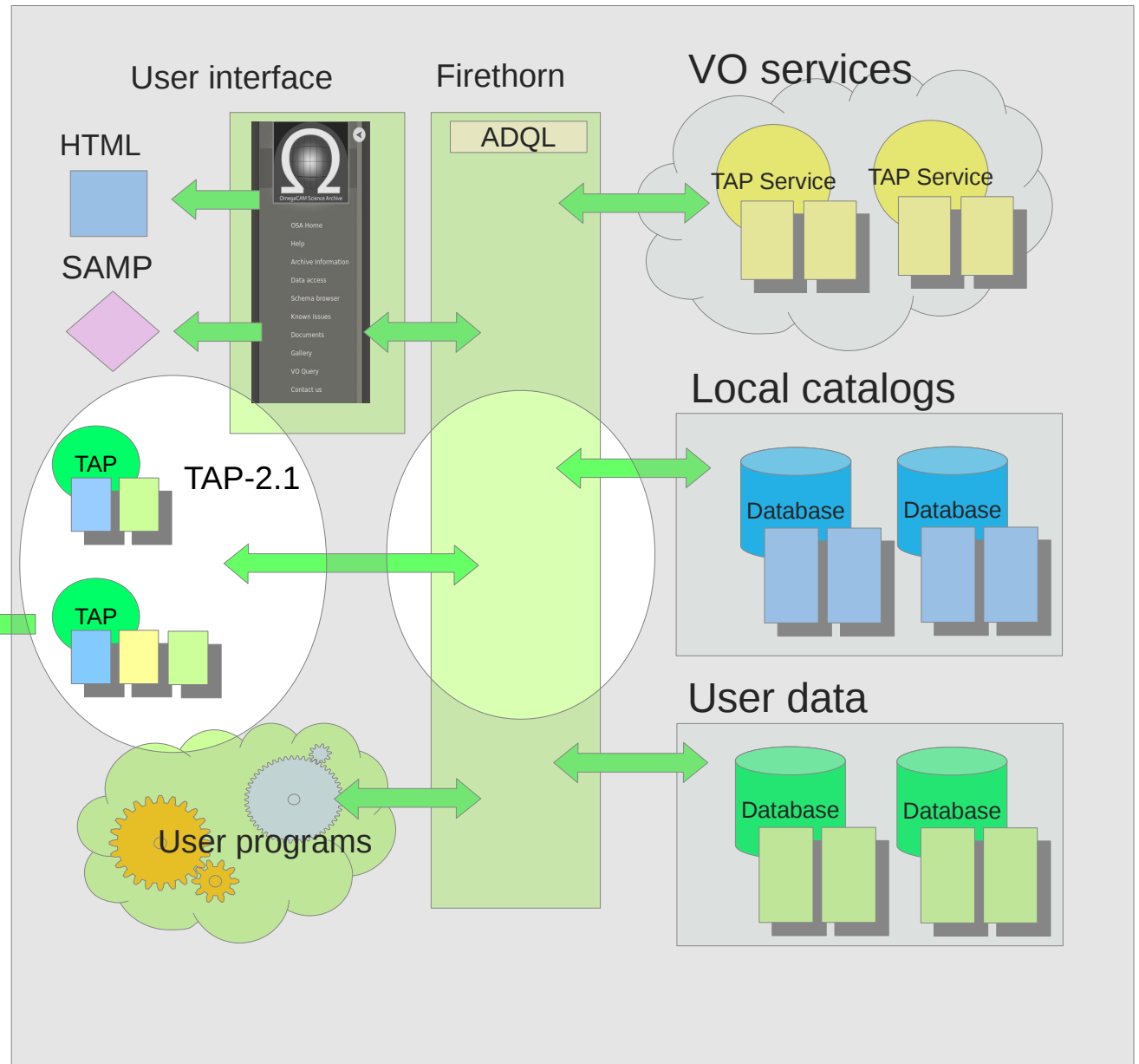
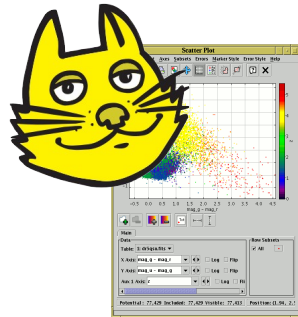
November 2015



Strengths & successes

New TAP implementation

- Passing taplint tests
- Gold standard for TAP services :-)



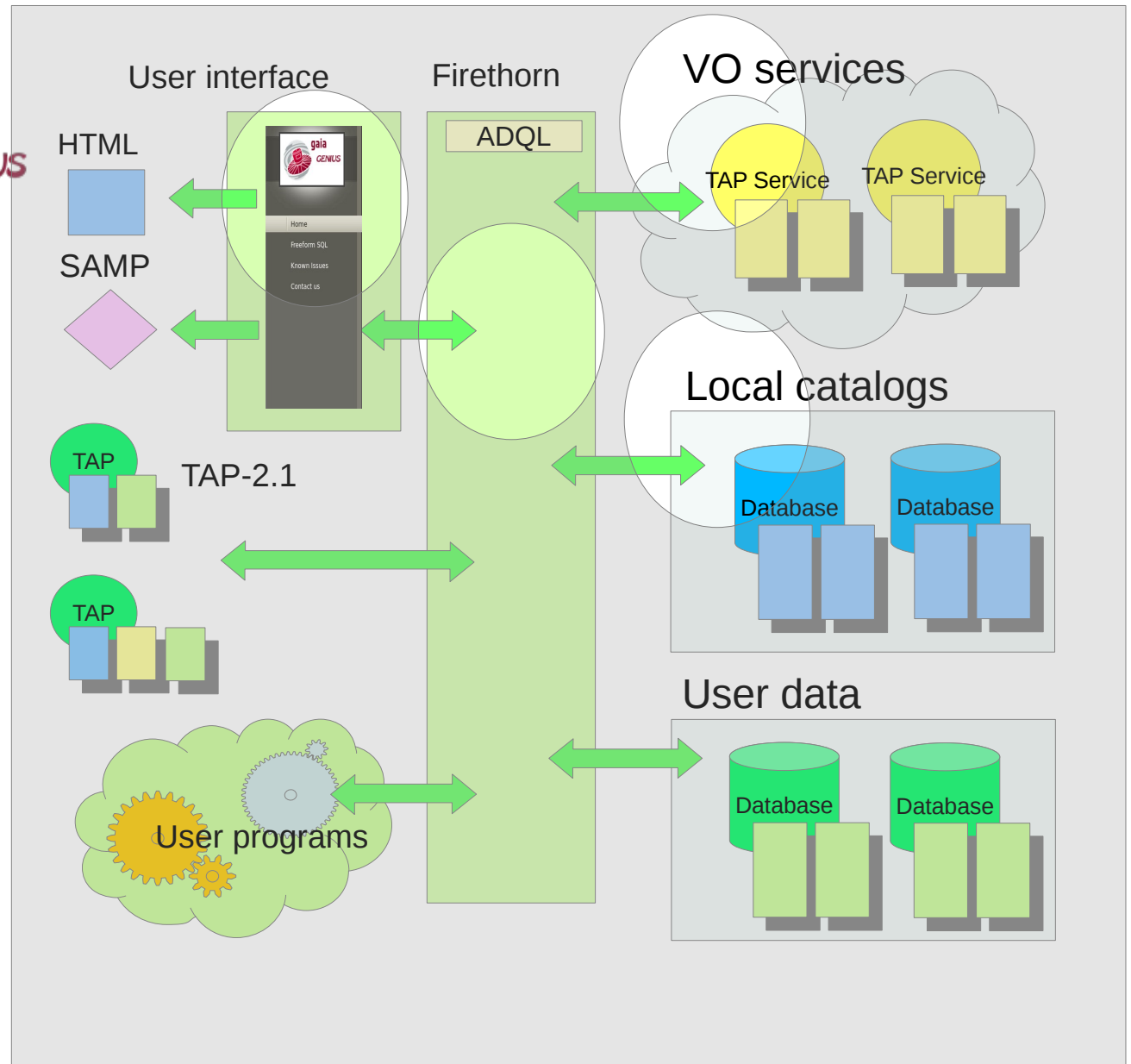
Strengths & successes

Genius demo online

- Access to local tables
 - ATLASDR1, TWOMASS etc
- Access to remote tables
 - gaia@ESAC, icecube@GAVO
- Local/remote join in development



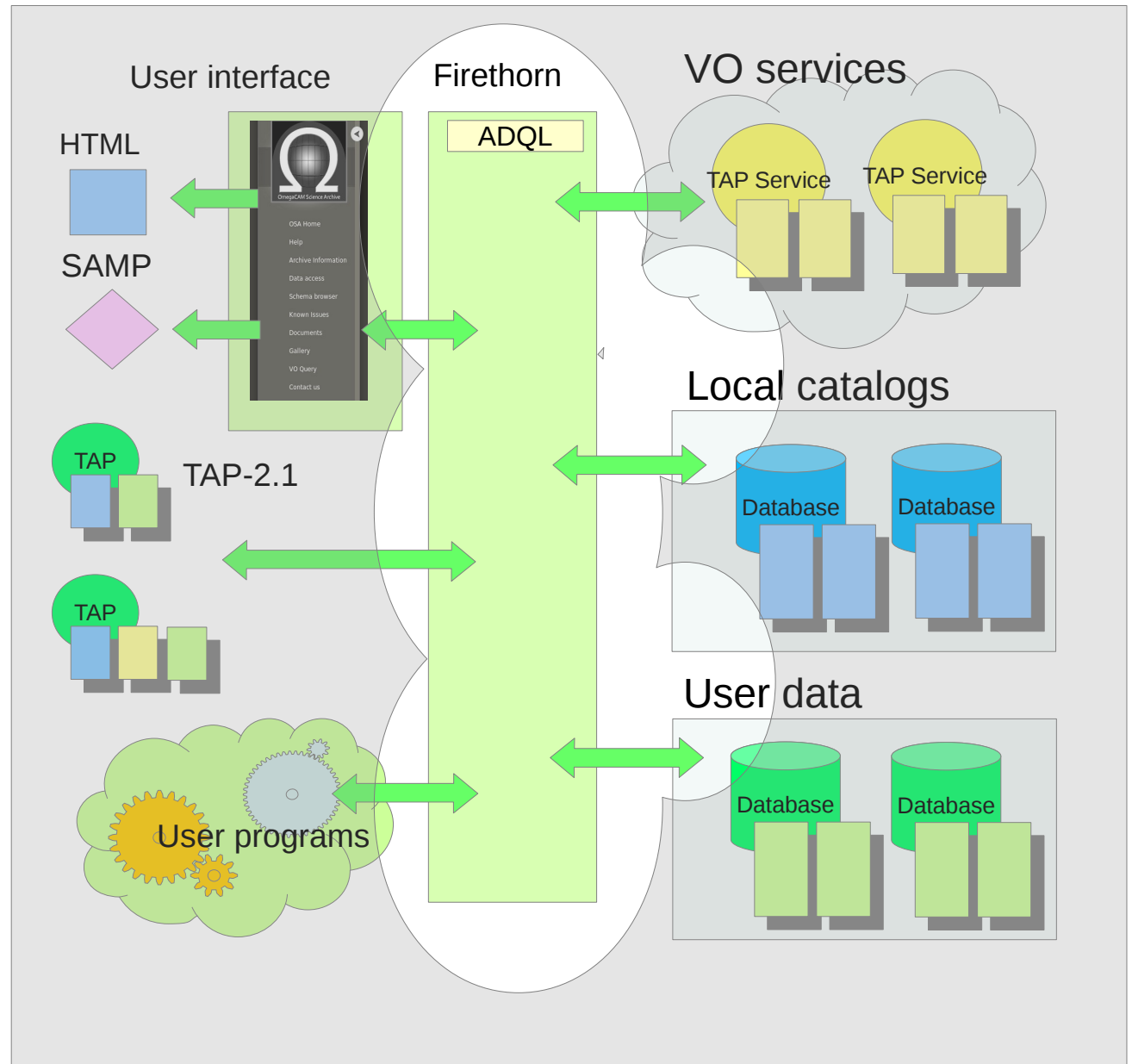
gaia
GENIUS



Strengths & successes

Docker containers

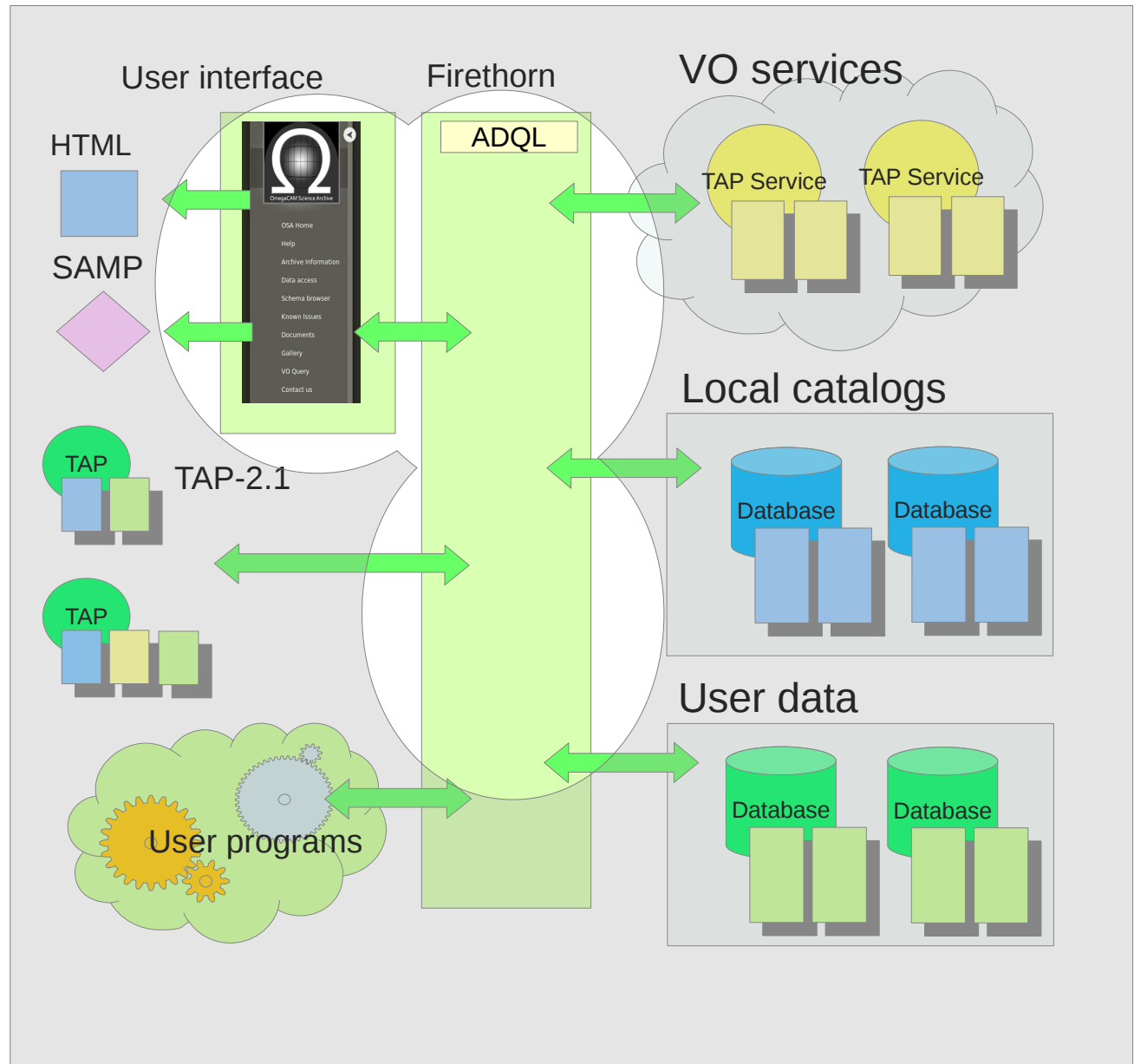
- Learning and developing expertise
- Software development
 - Reproducible
 - Portable
- Service deployment
 - Reproducible
 - Portable



Weakness & deficiencies

Error reporting

- 'a bad thing happened'
- Work in progress
- More informative messages
- Better error handling

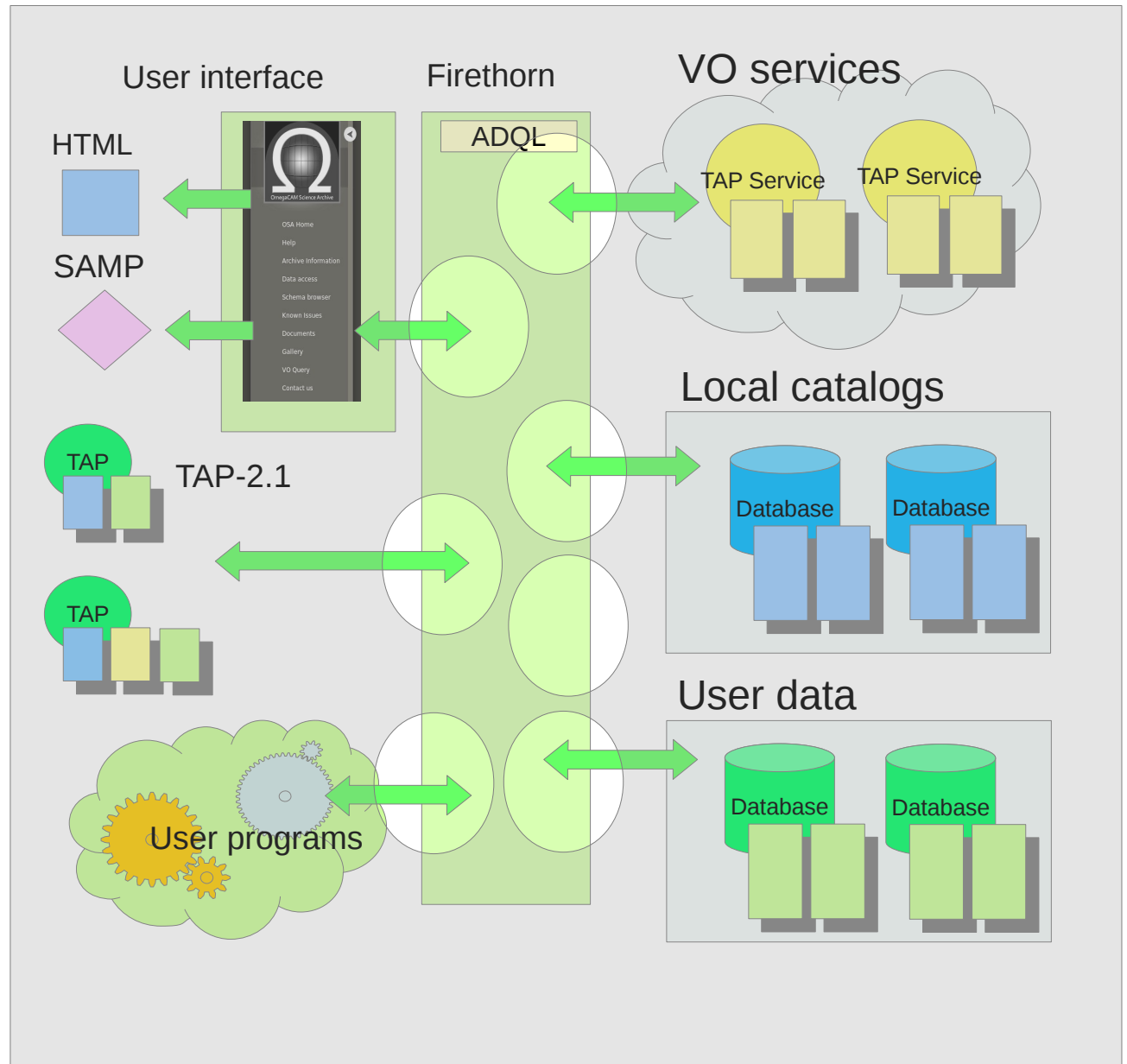


Weakness & deficiencies

Low visibility

Development on infrastructure is not visible until the feature is released

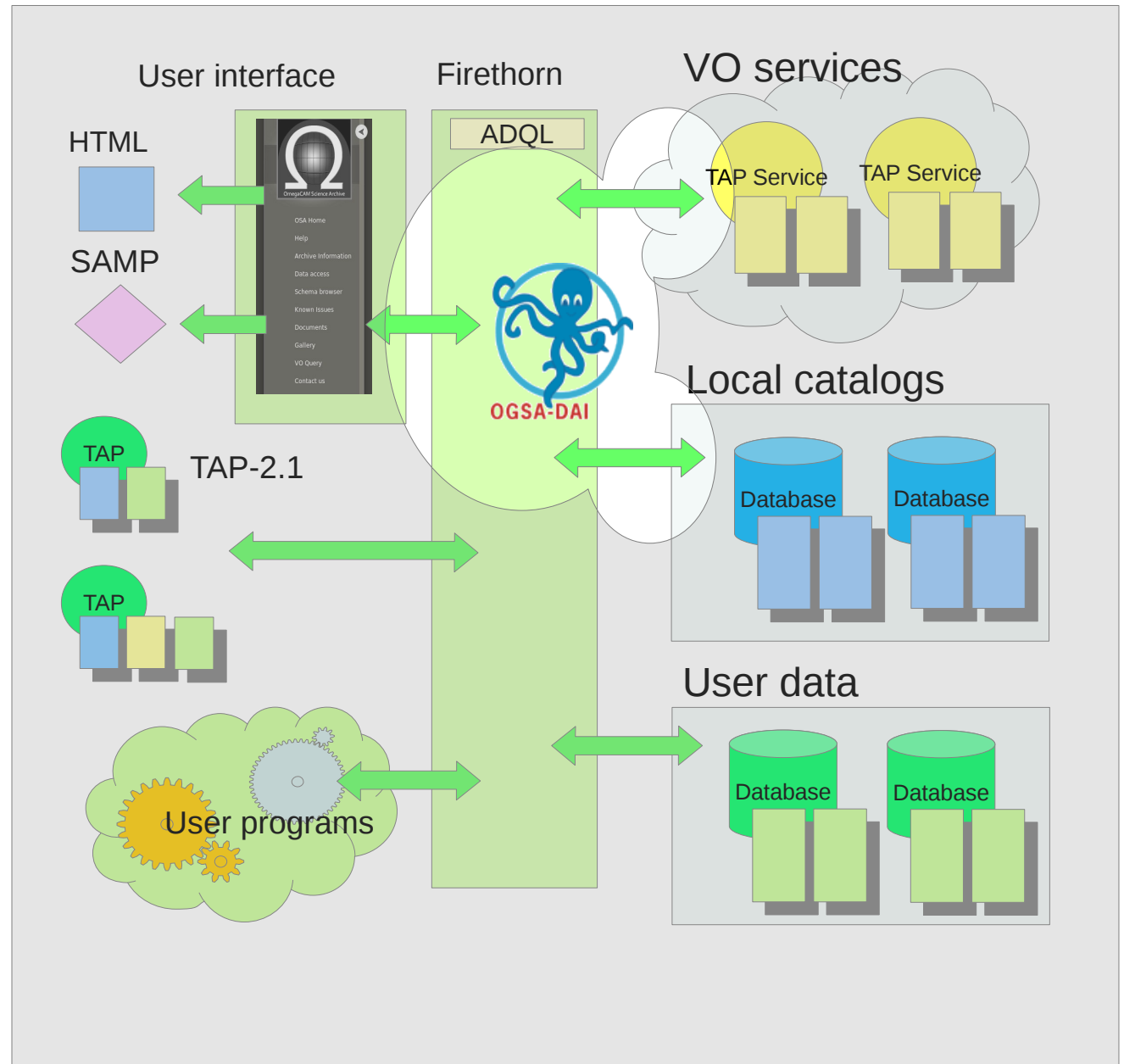
Visibility should improve as features become available



Opportunities & improvements

Distributed queries

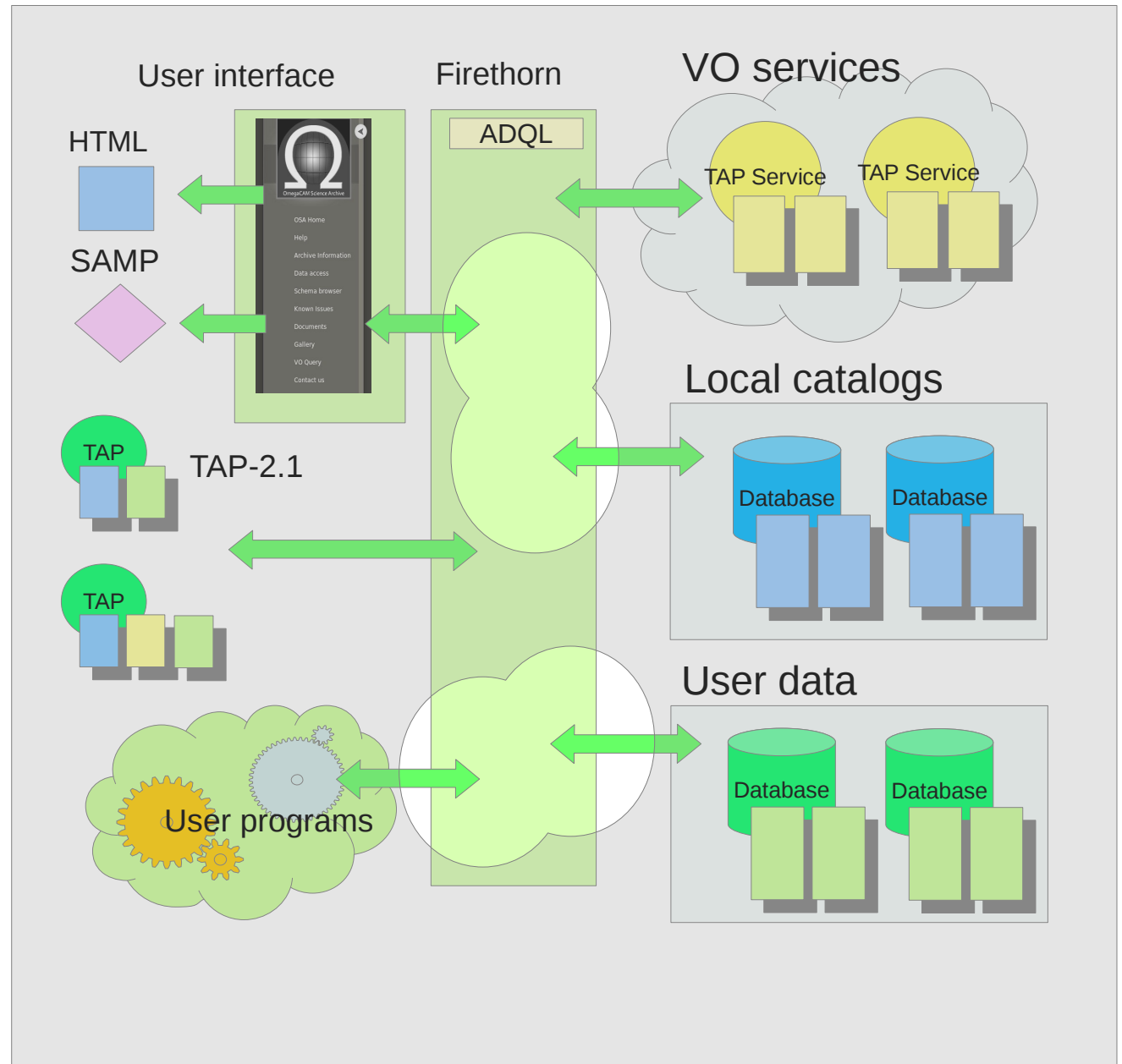
- Recent work on infrastructure improves support for DQP
- New round of testing and development in progress



Opportunities & improvements

User data

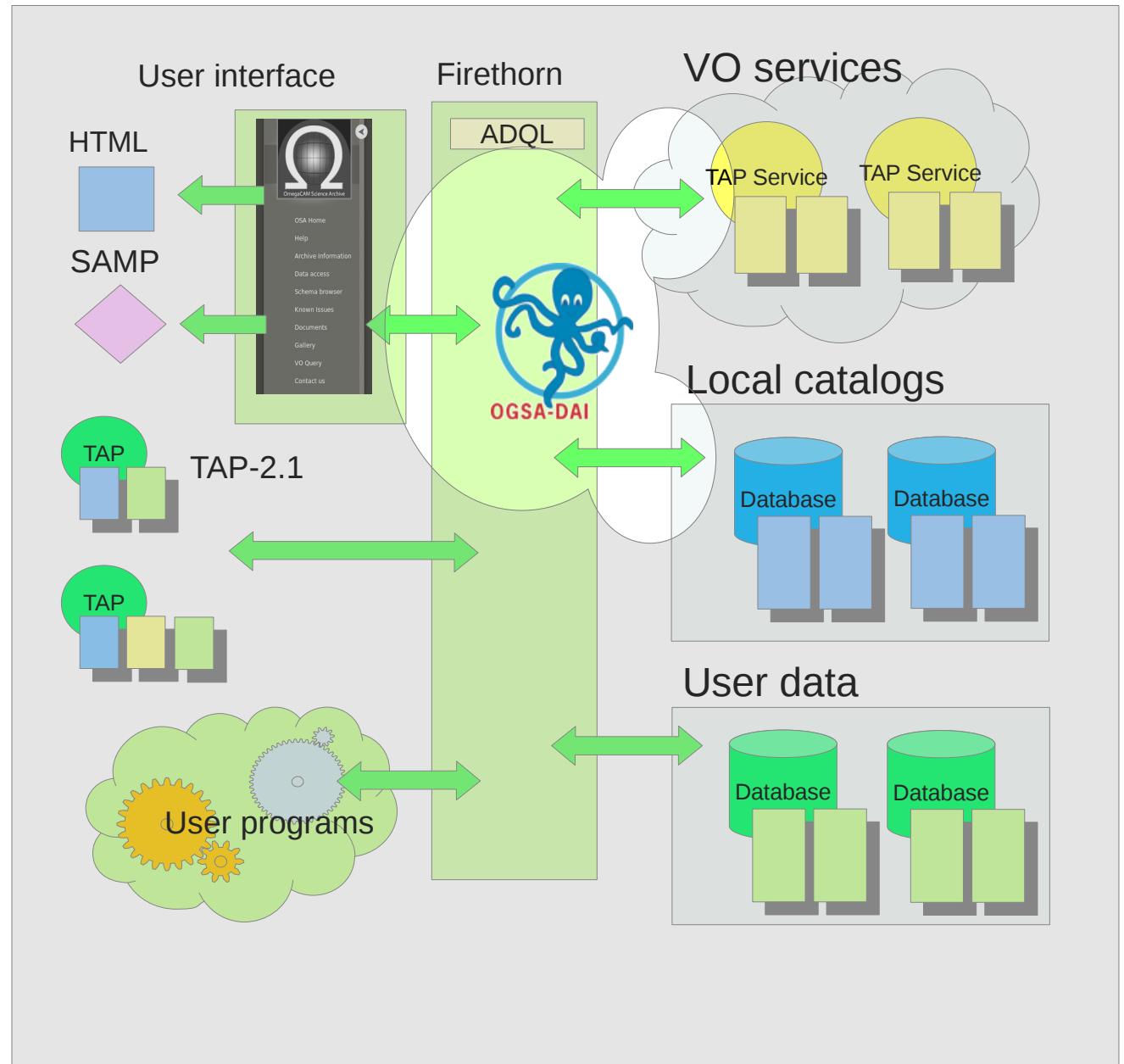
- Recent work on infrastructure improves support for user data
- Work in progress, not ready for release yet



Threats & risks

Distributed queries

- Original integration was done in 2012/2013
- New round of testing and development expected to reveal new issues



Strengths & successes

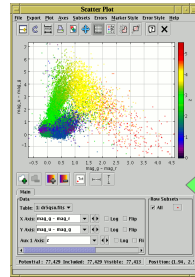
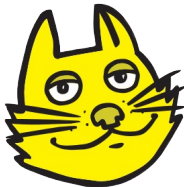
Genius demo online



- Access to local tables
- Access to remote tables

New TAP implementation

- Taplint pass



Docker containers

- Development & deployment
 - Reproducible
 - Portable

