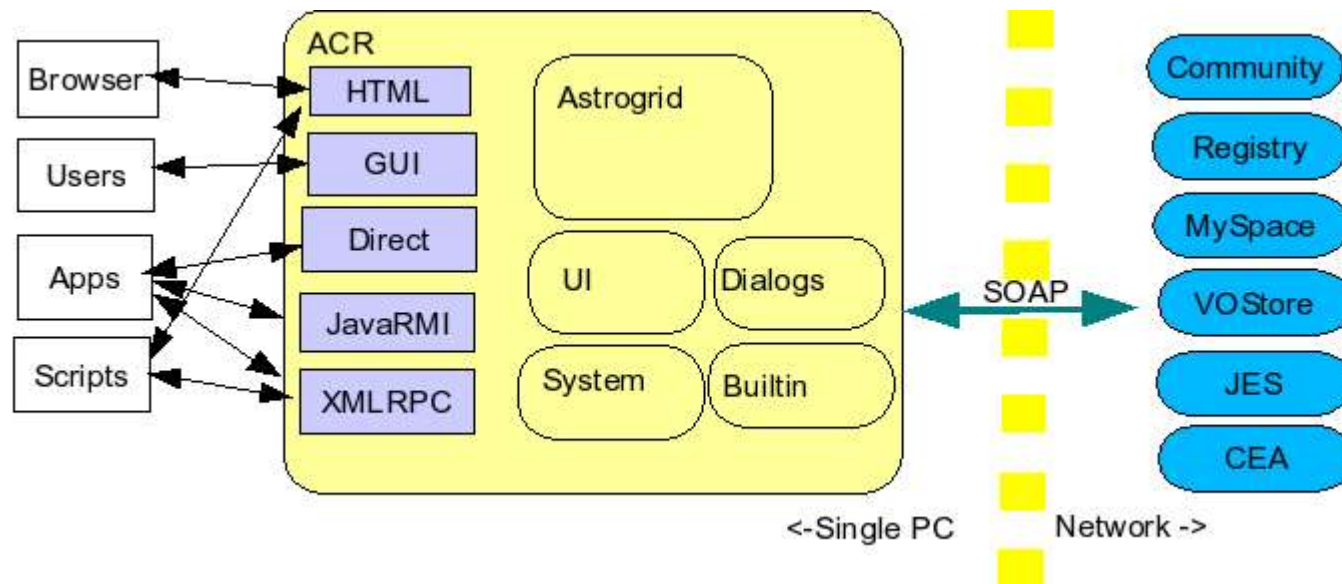# ACR in action -

## Report on usage of ACR in Aladin

Thomas Boch [CDS]

# Use ACR to access AstroGrid services in Aladin

- ACR: Façade providing uniform access to Astrogrid/VO services

- Noel's visit to CDS (mid-August '05) : Exploratory study of usage of ACR for Aladin

- Which AstroGrid services would it be useful to offer from Aladin tool ?

- Prototype development focused on 3 topics:

  – Access to MySpace

  – Access and execution of CEA applications

  – Query the registry

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# Architecture

# Access to MySpace

- Reading from MySpace : easy to implement, easy win for VO applications

```
// recherche d'une instance d'ACR existante
Finder f = new Finder();
acr = f.find();
// ...
resChooser = (ResourceChooser)acr.getService(ResourceChooser.class);
URI uri = resChooser.fullChooseResource("MySpace Resource Chooser",
                                        true, false, false);
URL u = myspace.getReadContentURL(uri);
```

- Writing files (images, catalogues) from Aladin to MySpace to be developed soon
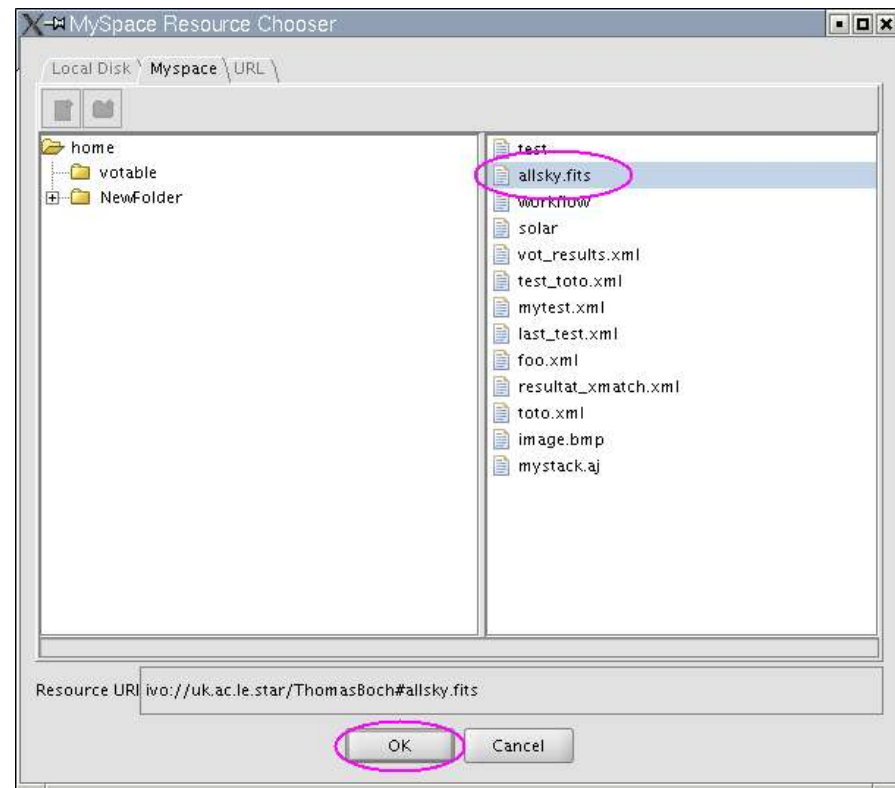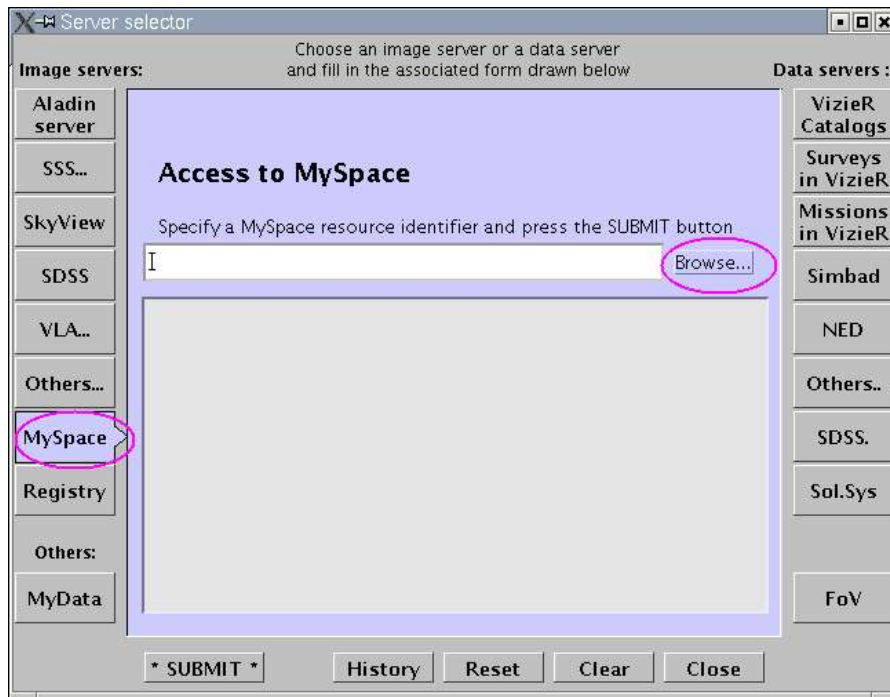
# Access to CEA applications

- Offers access to CEA applications (CEA « toolbox ») from Aladin

- First, retrieve list of CEA applications

- Let the user choose an application of interest and fill in the parameters form

- Execute the CEA application

- Visualize the result from MySpace

# Ability to query the Registry

- Query the registry, and get back a list of services (eg SIAP services)

- Let the user choose a service of interest

- Query the selected service

# Demo

*A demo is worth a thousand words ...*

# Conclusion

- General impression is very positive

  - API well documented, easy to understand

  - Straightforward to use it in your client application

  - Provides both services and dialogs

- Some points might be improved

  - Would be nice to be able to query other registries

  - Methods to query SIA, SSAP, ConeSearch services

- Full report available on Wiki:

  http://wiki.eurovotech.org/bin/view/VOTech/UsageOfAcrApiInAladin