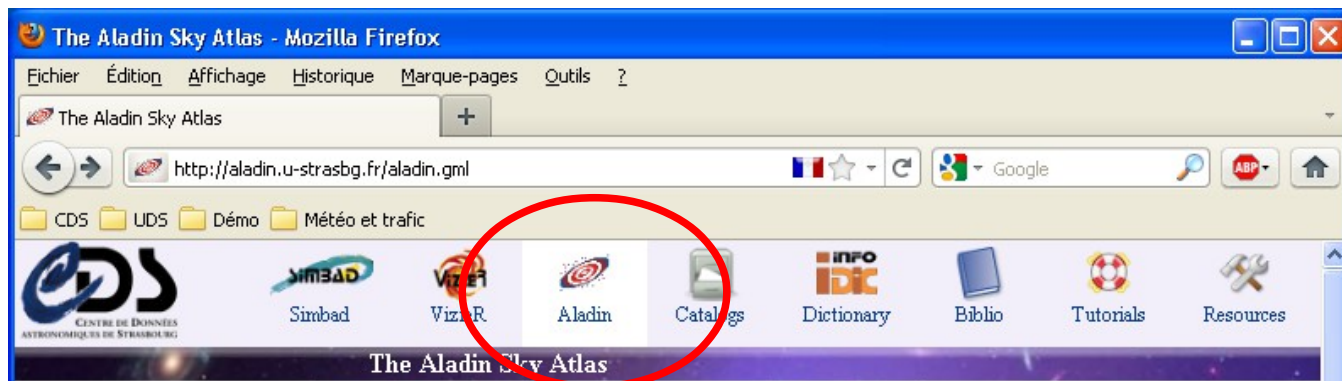


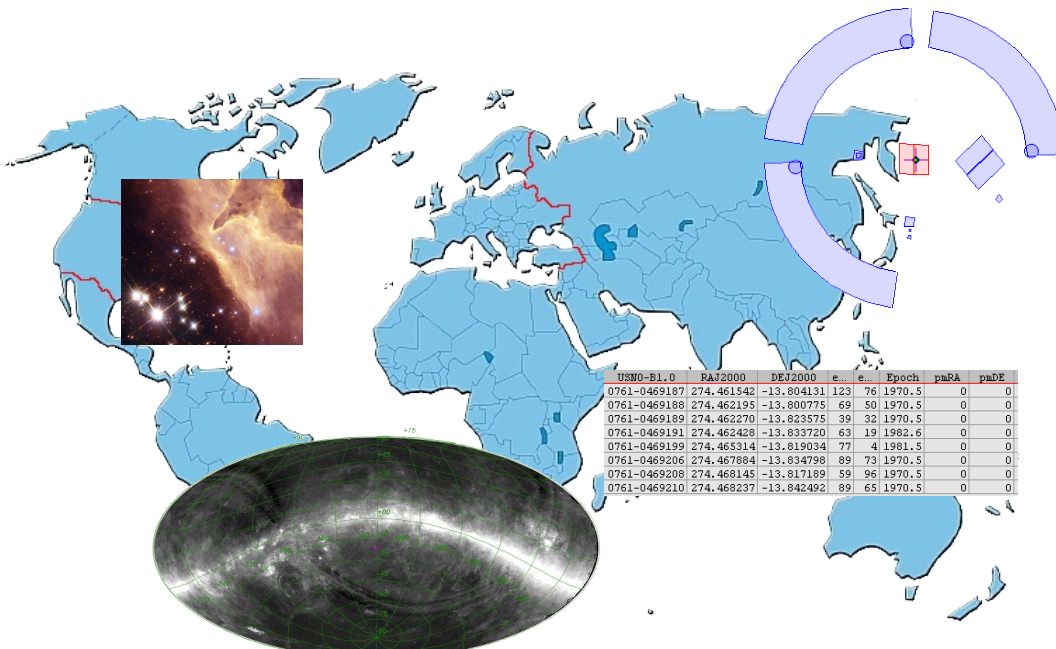


Pierre Fernique
CDS council – September 2012

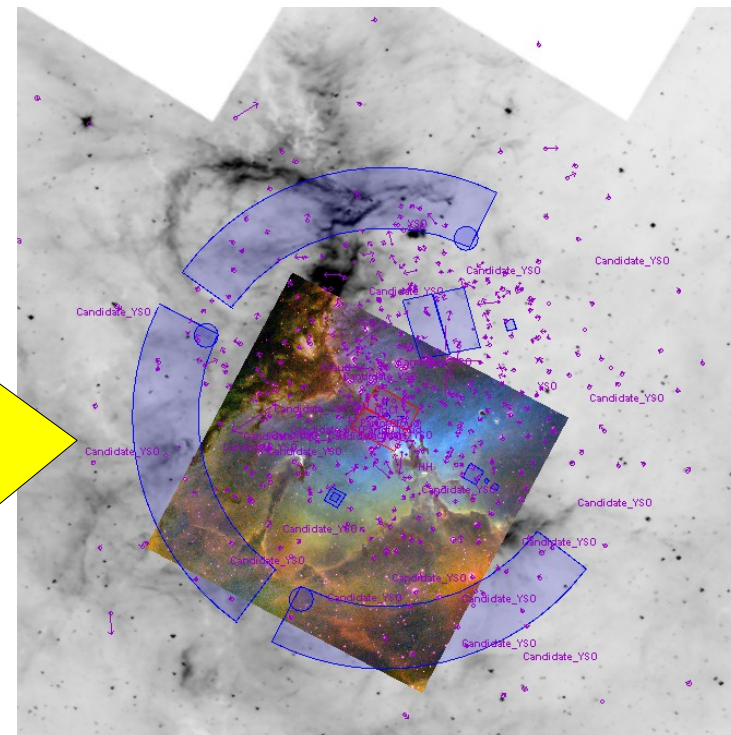
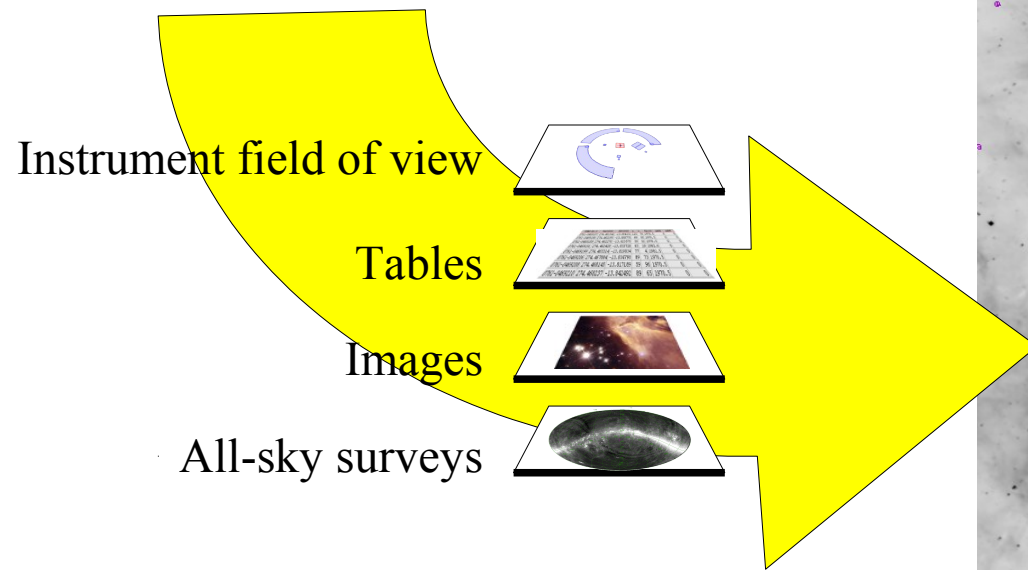
Service description

« *Aladin : astronomical reference software dedicated to the integration, visualization and manipulation of images and catalogues provided by most of astronomical data servers in the world (CDS, ESO, ESA, NASA, CADC,...) »*



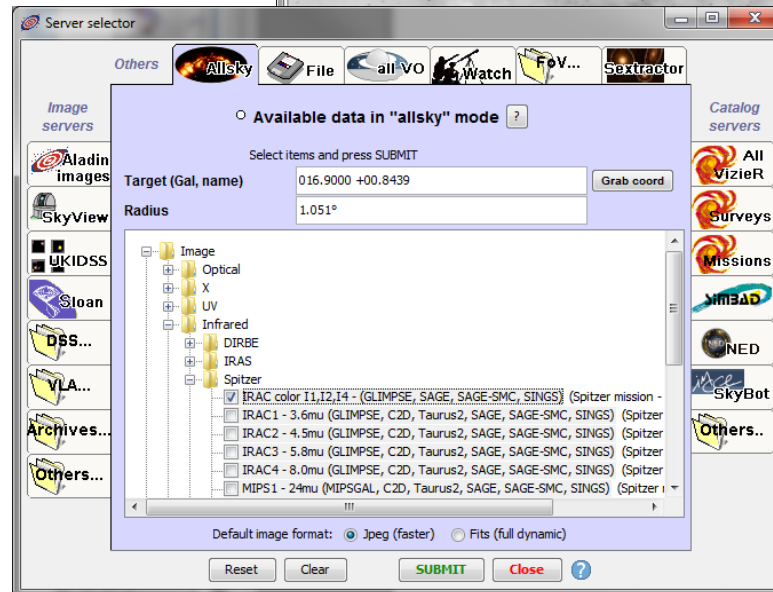
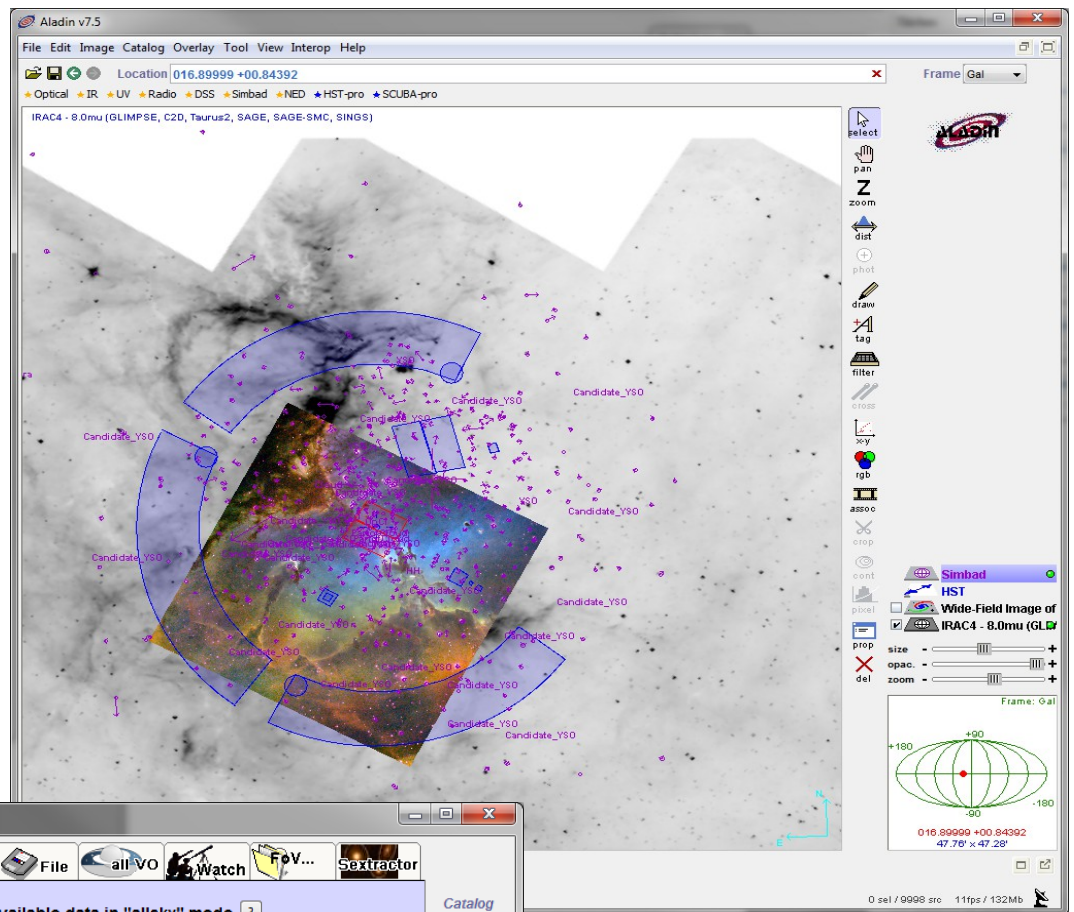


1. Locate
2. Access
3. Integrate
4. Display
5. Manipulate



120 all-sky surveys
371 data providers
10 479 tables
19 instruments FoV

...

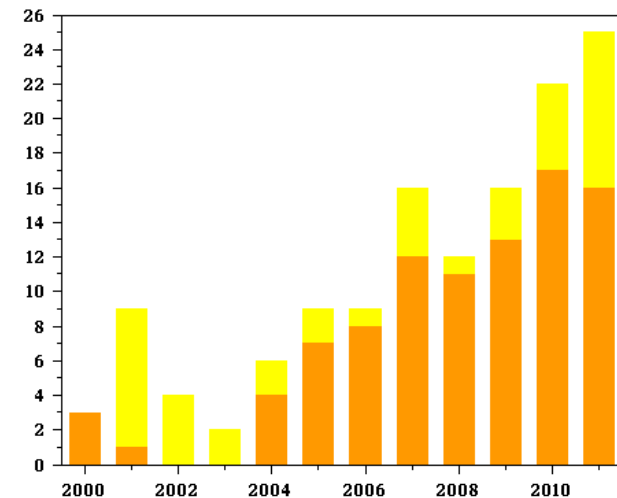


Aladin dashboard

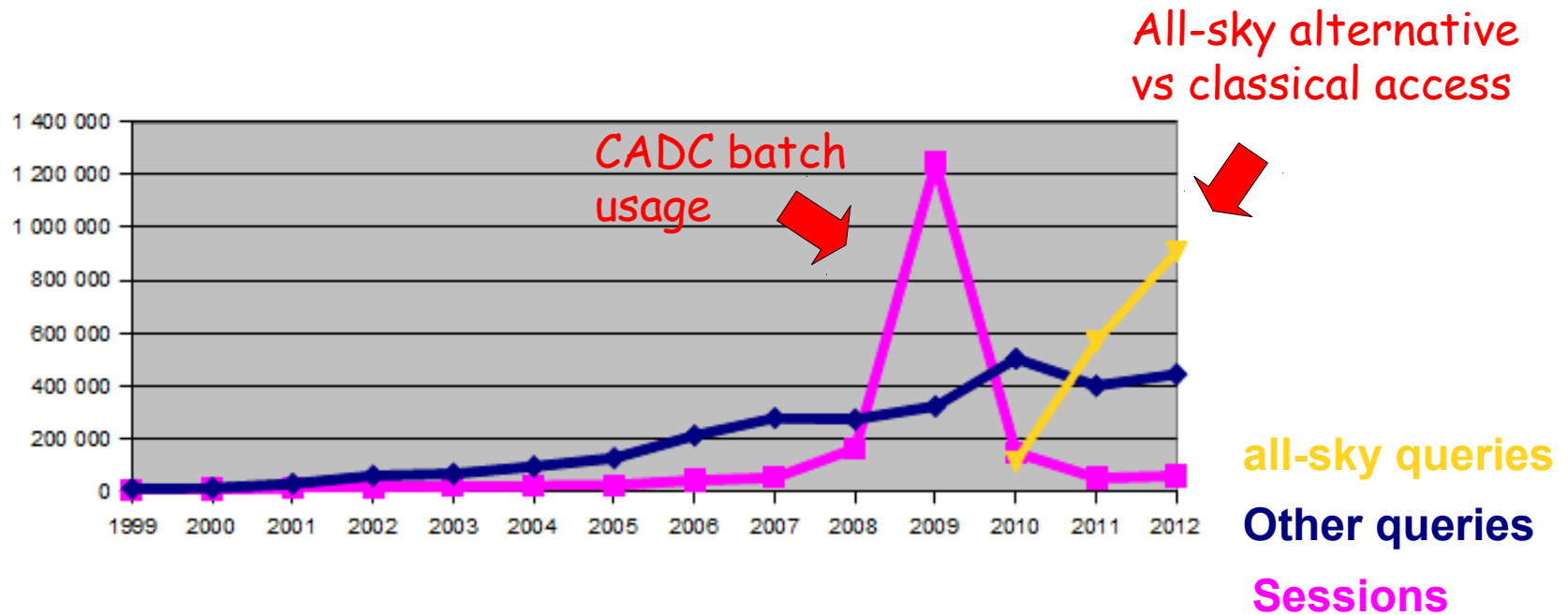


2011 → 2012

- 1 600 → 1 800 sessions/day (+11%)
- 17 000 → 20 500 queries/day (+22%)
- 90 → 105 software installations/day (+11%)
- 9 300 → 8300 hosts (-10%)
- 150 citations (2000A&AS..143...33B) →
- ~2 FTE (*T.Boch, F.Bonnarel, P.Fernique, A.Oberto*)



Usage evolution



(*) per month

Google, Alexa...

Google search results for "aladin". The search bar contains "aladin". The results are categorized into Web, Images, Maps, Videos, Actualités, Shopping, Plus, Strasbourg, and Le Web. The top result under "Web" is "Aladin : Atlas du Ciel" from aladin.u-strasbg.fr/aladin-f.gml, which is circled in red. Below it are YouTube results for "Aladin - ce rêve bleu" and "Aladdin Prince Ali (french)".

Recherche Environ 23 900 000 résultats (0,17 secondes)

Web
Aladin : Atlas du Ciel
aladin.u-strasbg.fr/aladin-f.gml
Nouveau: **Aladin 7.5** - Juillet 2012 - Créez vos propres relevés d'image,...(more) ... (in english), Le logiciel **Aladin** est un atlas interactif du ciel. Il permet ...

Vidéos
The Aladin Sky Atlas
aladin.u-strasbg.fr/ - Traduire cette page
Provides an interactive sky atlas allowing users to visualize digitized images of any part of the sky. Includes astronomical catalogs, personal user data files, and ...

Plus
Aladin - ce rêve bleu - YouTube
 www.youtube.com/watch?v=5-4vXiB-nA
24 déc. 2006 - 3 min - Ajouté par pttidisney
ça me rappelle quand j'étais enfant et que j'étais amoureux d'Abu. StJamesF in reply to GuanyinDurga (Show the ...

Strasbourg
Changer le lieu

Le Web
Pages en français
Pays : France
Pages en langue étrangère

Aladdin Prince Ali (french) - YouTube
 www.youtube.com/watch?v=i9vsbVHmss
11 juin 2007 - 3 min - Ajouté par body72
Pocahontas l'air du ventby mydorie3,300,416 views - **Aladin** - ce rêve bleu 2:30. Watch Later **Aladin** - ce ...

[Autres vidéos pour aladin >](#)

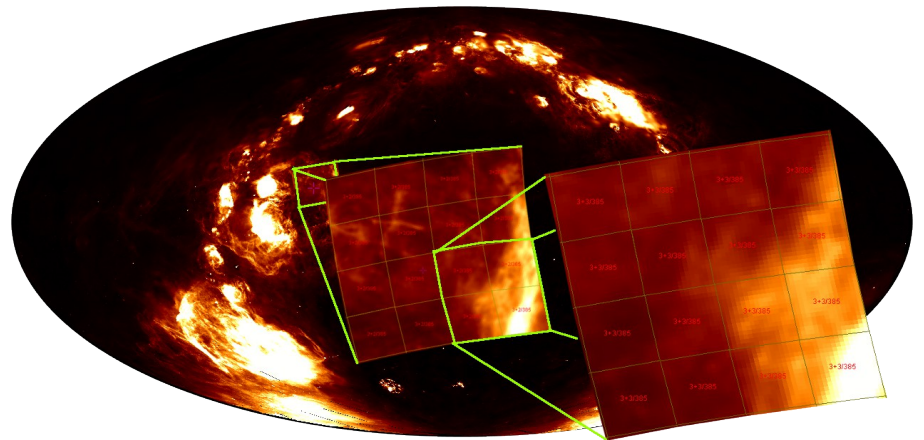
Alexa Top Search Queries for U-strasbg.fr. The table shows the top three queries and their percentage of search traffic. The first query, "aladin", is circled in red. The browser address bar shows "www.alex.com/siteinfo/u-strasbg.fr#" and the page title is "Alexa".

Query	Percent of Search Traffic
1 aladin	2.17%
2 université de strasbourg	1.42%
3 imm	1.23%

HEALPix all-sky : the 2 last year Aladin revolution

- Multiscale display of an homogeneized set of images
- Allowing to zoom and pan « a la google earth »
- Keeping scientific information (photometry, astrometry)

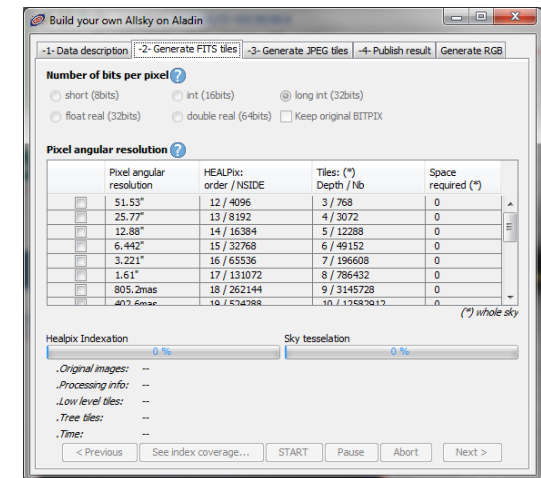
**=> « Global »
display & analyze**



HEALPix all-sky report

- History :

- 2010 → Aladin v7 : 1st compatible client + 1TB server
- 2012 → Aladin v7.5 : faster client + user HEALPix builder facility + 2x 40TB servers + 2 Web clients (proto) : HTML5 (CDS) & WebGL (CNES)



- Burst of new available data:

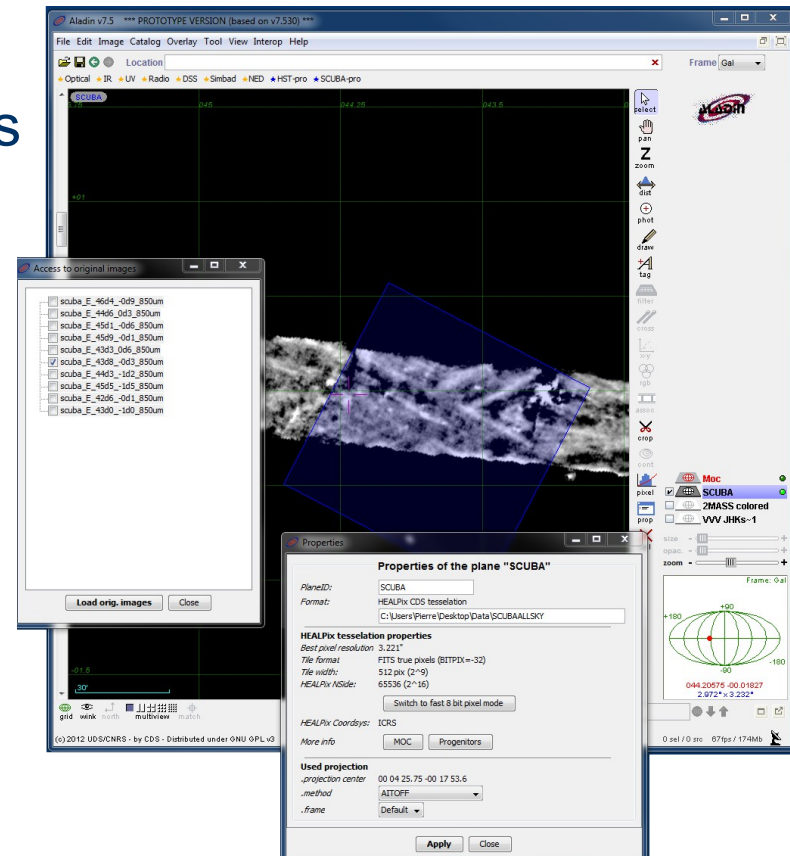
- 82 all-sky surveys built by CDS (DSS, 2MASS, SDSS, Spitzer, Galax, CFHTLS...)
- 37 all-sky surveys built directly by partners (CADM, VO-Paris, XMM, M31/HST, VVV)

- **New ideas** : Progressive catalogs, MOC (coverage map), progenitors (original image access), ...

Progenitor facility

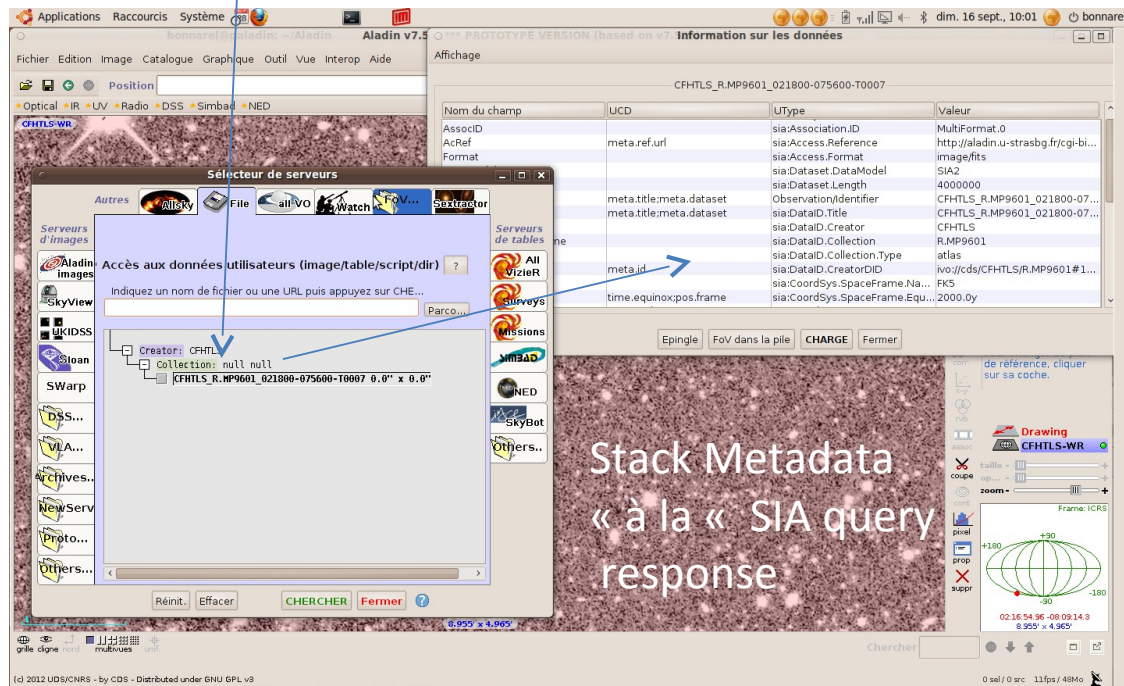
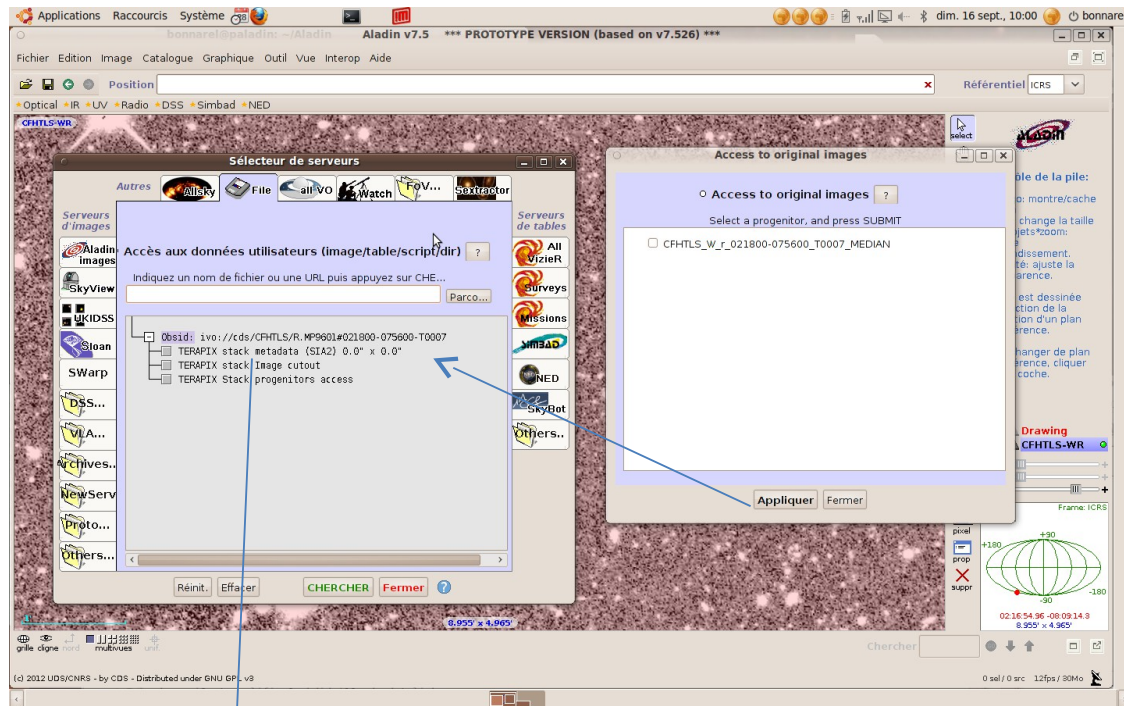
- Providing the list,- continuously updated – of the original images used to build the current view
- Allowing an immediate access
 - To a specific original image (progenitor)
 - Or to metadata describing this progenitor (filter, epoch, characterisation..)

⇒ ADASS 2012 oral presentation :
CADC/CDS collaboration on HST
observations (24 all-sky surveys with
progenitor access)

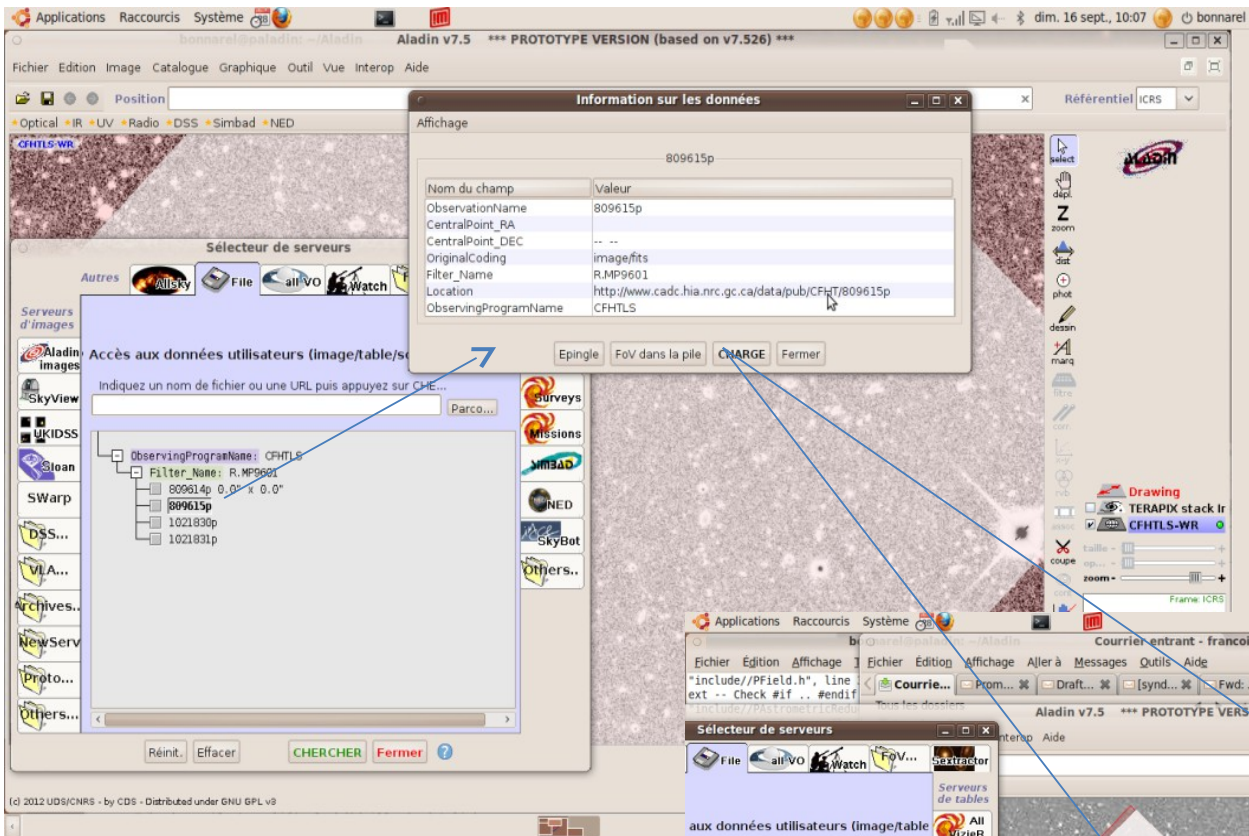


Advanced prototype : CFHTLS datalinks

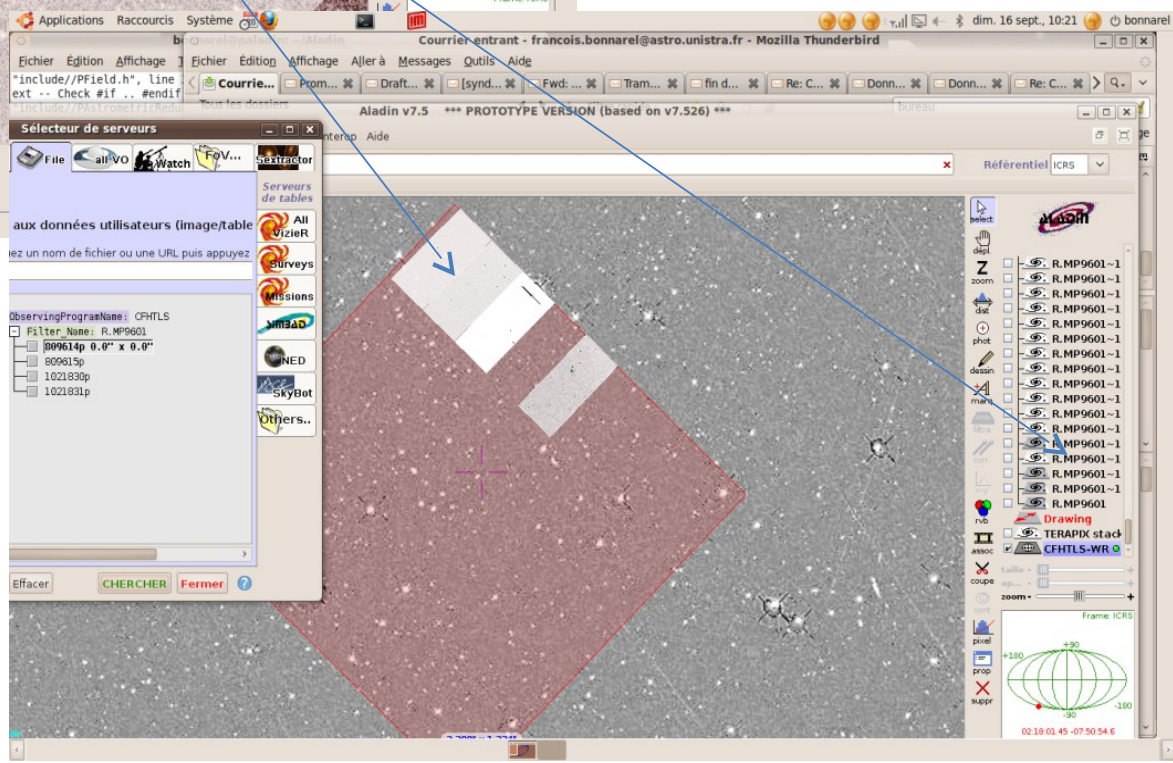
- Access...
 - To a **specific original image** (progenitor) in full retrieval or cutout mode. Here : a TERAPIX stack
 - To **metadata** describing this progenitor (SIA/obstap description, with/or characterisation, provenance, filter, etc...
 - To list of **progenitors of the original image**: (here original CFHT Elixir images used in the stack, at CADC)



Stack Metadata
« à la » SIA query response



List the Stack « members » and load one of them (containing 40 CCD subimages)



Next steps...

- Continue :
 - all-sky/wide-field data integration (pixels, catalogs, footprints)
 - Implementation/links to a « metadata » server (*progenitor metadata*)
 - Web client (*alternative to Aladin applet – ie inside the Web navigator*)

For the fun...

<http://www.youtube.com/watch?v=z3wzddw0C4k>

Google

Recherche Environ 5 410 000 résultats (0,44 secondes)

Web
Conseil : [Recherchez des résultats uniquement en français](#). Vous pouvez indiquer votre langue de recherche sur la page [Préférences](#).

Images
Maps
Vidéos
Actualités
Shopping
Plus

Strasbourg
Changer le lieu

Le Web
Pages en français
Pays : France
Pages en langue étrangère traduites
Plus d'outils

UFO Found on Aladin AWESOME Images - YouTube
www.youtube.com/watch?v=z3wzddw0C4k
14 août 2012 - 2 min - Ajouté par planetkrejci
This object is pretty Awesome. Go check it out yourself either on google sky or Aladin. Coordinates 22h00m59 ...

Autres vidéos pour Aladin UFO »

Aladin Sky Atlas Picks Up UFO : Aliens & UFOs
www.disclose.tv/.../aladin-sky-atlas-picks-up-ufo-l... - Traduire cette page
15 Aug 2012 - An intrepid UFO hunter and galaxial skywatcher claims to have found an unidentified flying object hurtling towards Earth in deep space.

UFO Discovered on the Aladin Sky Atlas (Video) - UFOs - Zimbio
www.zimbio.com/UFOs/.../UFO+Discovered+Ala... - Traduire cette page
15 Aug 2012 - Mufasa budget safaris UFO Discovered on the Aladin Sky Atlas (Video) An intrepid UFO hunter and galaxial skywatcher claims to have found an ...

aladin ufo posts | Gather
www.gather.com/aladin+ufo - Traduire cette page
15 Aug 2012 - UFO Discovered on the Aladin Sky Atlas (Video) ... Tag: aladin ufo. posts (1) | photos (0) | videos ... The following posts were tagged aladin+ufo.

Video - UFO Found on Aladin AWESOME Images - Allentown ...
www.examiner.com/.../ufo-found-on-aladin-awes... - Traduire cette page
15 Aug 2012 - View a video of 'UFO Found on Aladin AWESOME Images ' and other Allentown Paranormal videos.

Twitter / ParanormalPdcst: UFO Discovered on the Aladin ...
twitter.com/.../status/235783939304869889 - Traduire cette page
15 Aug 2012 - UFO Discovered on the Aladin Sky Atlas (Video) - Gather/Tom Rose
<http://bit.ly/PoM00E>. Reply; RetweetetdRetweet; Delete; FavoritedFavorite ...

UFO Found on Aladin AWESOME Images - Frequency
www.frequency.com/.../ufo...aladin.../...-Etats-Unis - Traduire cette page
This object is pretty Awesome. Go check it out yourself either on google sky or Aladin. Coordinates 22h00m59.97s 2 36°21.89"

Aladin v7.5

File Edit Image Catalog Overlay Tool View Interop Help

Location 22:00:50.45 +02:38:43.2

Optical IR UV Radio DSS Simbad NED HST-pro SCUBA-pro

SERC.ER-DSS2.889 4466

SkyBot 1989-08-30

POSSIL.J-DSS2.889

SERC.ER-DSS2.889

DSS colored

Num	Name	RA	DEC	Class	Mv	ErrPos	d	dRAcosDec	dDEC	Dgeo
15	Eunomia	22 00 59.4584	+02 36 56.655	MB II	8.2	0.103	8.193	-36.2326	-1.763	1.3195704

TIP: Adjust the zoom factor via the mouse wheel

1 sel / 1 stro 87Mb

Not an UFO,
just Eunomia asteroid
discovered a long time ago
by Annibale de Gasparis (July 29, 1851)

