



Aladin

Statistics, highlights & perspectives

CDS council – 7 & 8 October 2016



Pierre Fernique
on behalf of Thomas Boch, Caroline Bot, François
Bonnarel, Mihaëla Buga, Chaitra, Anaïs Oberto,
François-Xavier Pineau
& Jean-Yves Hangouët, Thomas Keller

□ Aladin 2016 milestones

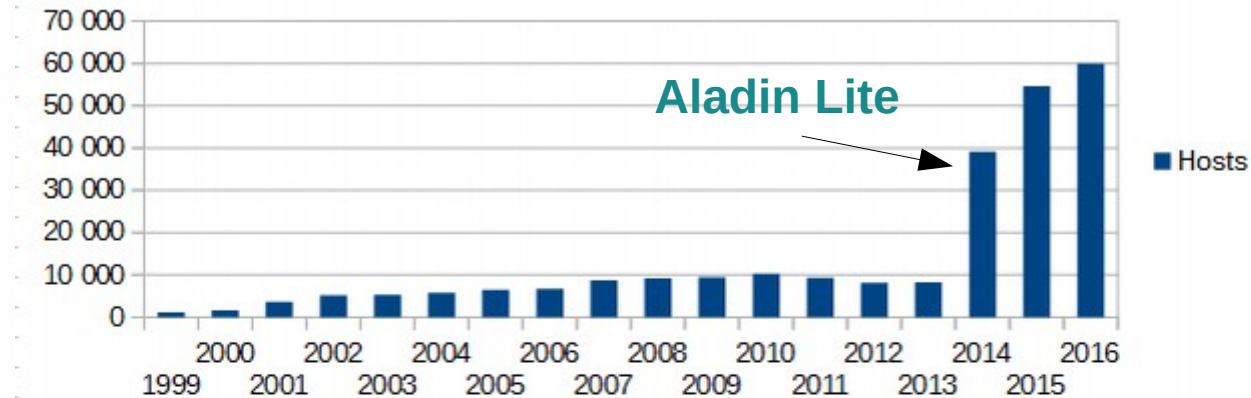
- **HiPS network** now a reality
 - 325 HiPS, 12 servers (100TB of data)
 - IVOA Proposed Recommendation
- **Aladin Lite (AL)** everywhere
 - Major release (apr 2016) fixing display distortions
 - More than 35 implementations (professional Web sites + 17 amateurs)
- **Aladin Desktop (AD)**
 - Release 9 (dec 2015): HiPS & MOC improvements
 - In **GuideCam** tool for **all ESO consortia (VLT, E-ELT + new instruments)**
- **Staff evolution:** C. Bot (associate scientist), Chaitra (Asterics), FX Pineau (Europlanet), M. Buga (HiPS generation)

□ Aladin statistics – Key figures

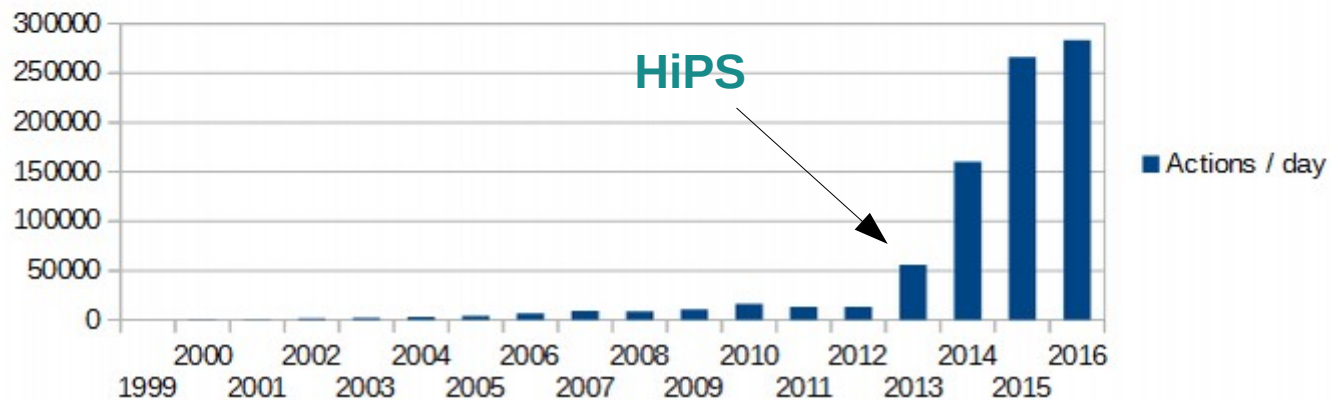
- **Consolidation** (period post HiPS & AL)
 - **Content:** 2015:+25%, 2016: +100% : 344 HiPS / 100TB,
CDS 165/83TB+CADC 59/15T₀, ESAC 33/2TB, CADE 64/20GB, JAXA 6, SSC 6, ...
 - **Usage:** 2015:+25%, 2016: +11% : 283000 actions/day
+historical image server: 2015: +14%, 2016: +17% : 1900 images/day
 - **Audience:** 2015:+34%, 2016: +10% : 59900 hosts/month
- 2 Aladin clients for 2 “niches”
 - **Web integration** => AL generates 4/5 of audience
75% thanks to Simbad, 5% AL previewer, 1.7% Gaia alert, 1.5% ESASky, 0.03% VizieR
 - **Image/catalog manipulations** => AD generates 3/4 of usage
78% thanks to HiPS, 16% regular http queries, 6% local data
- Citations: 2003 → 2016: 299 +15%/year

□ Aladin statistics

Hosts evolution (monthly mean)



Usage evolution (daily mean)



Aladin statistics

2015

2016

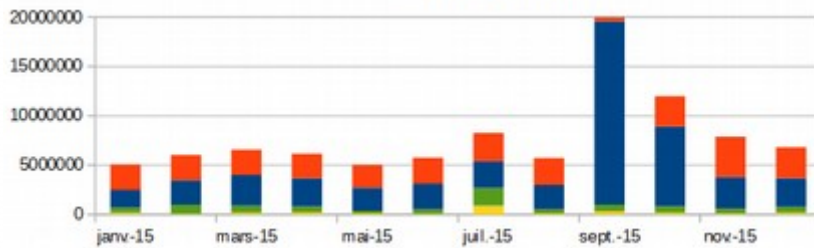
Audience (hosts/month)



Startups (/month)



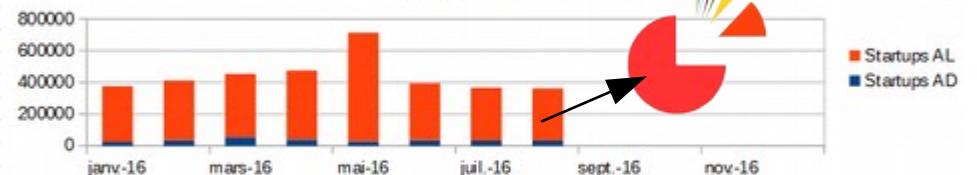
Usage (actions/month)



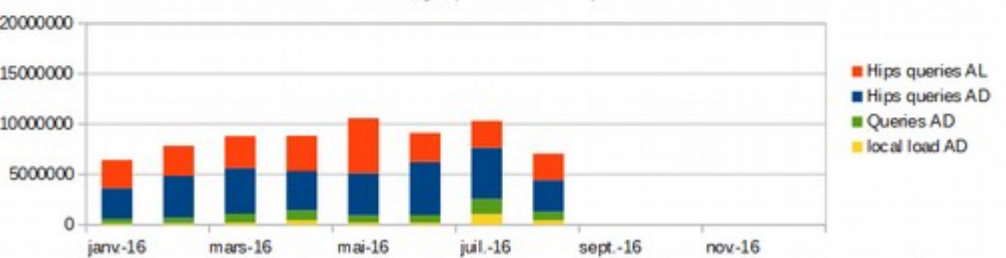
Audience (hosts/month)



Startups (/month)

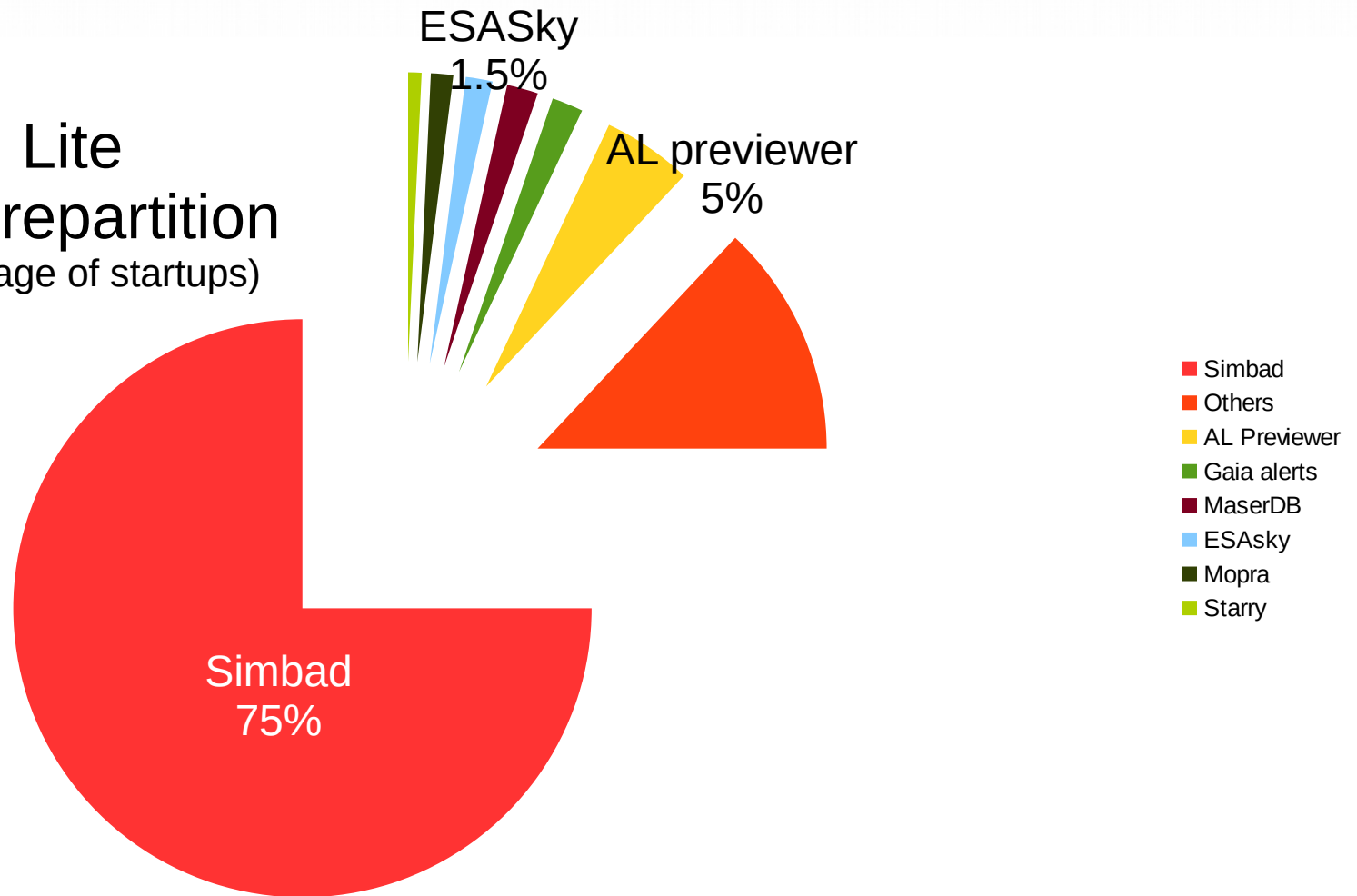


Usage (actions/month)



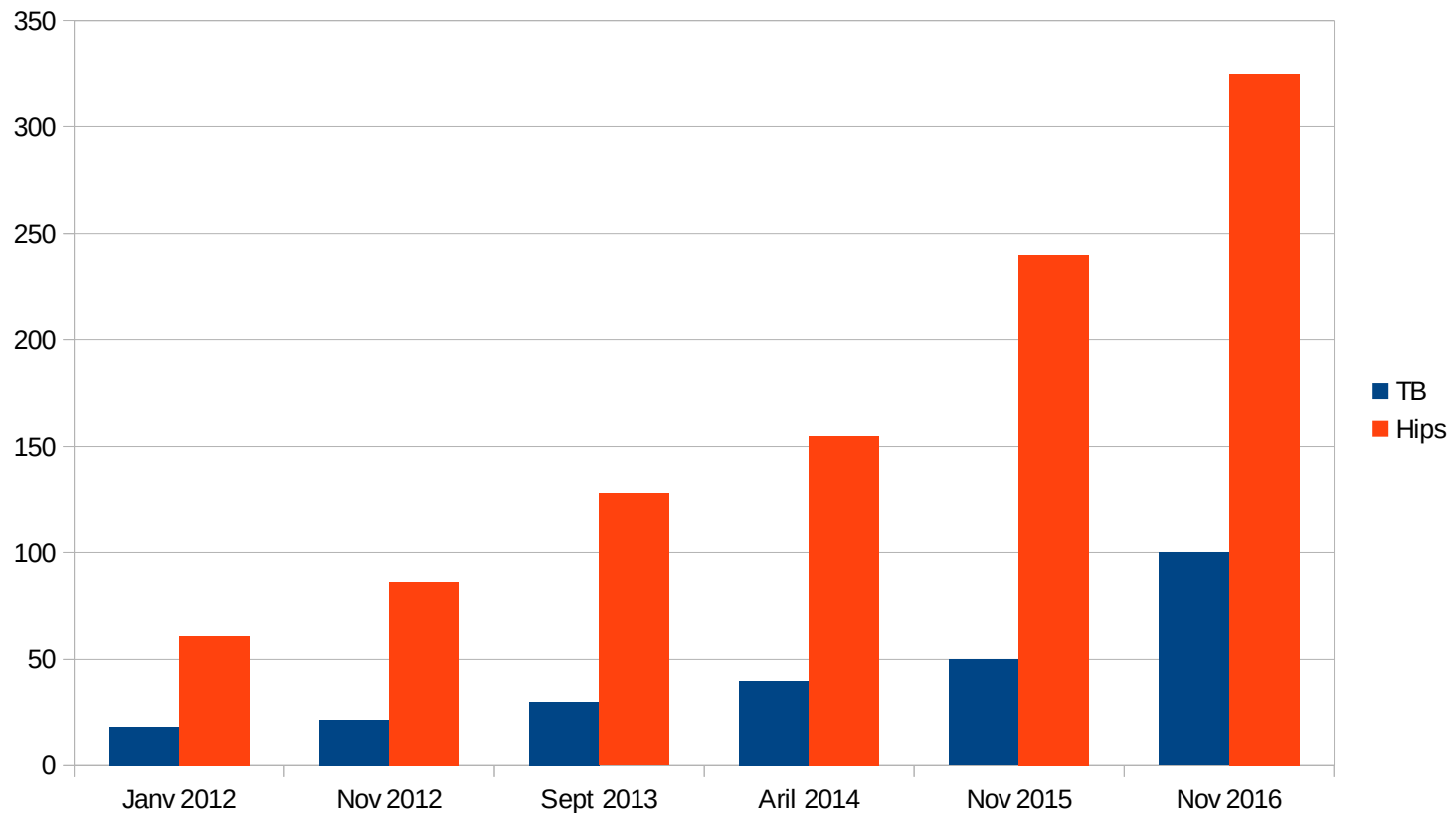
□ Aladin statistics

Aladin Lite
origin repartition
(pourcentage of startups)

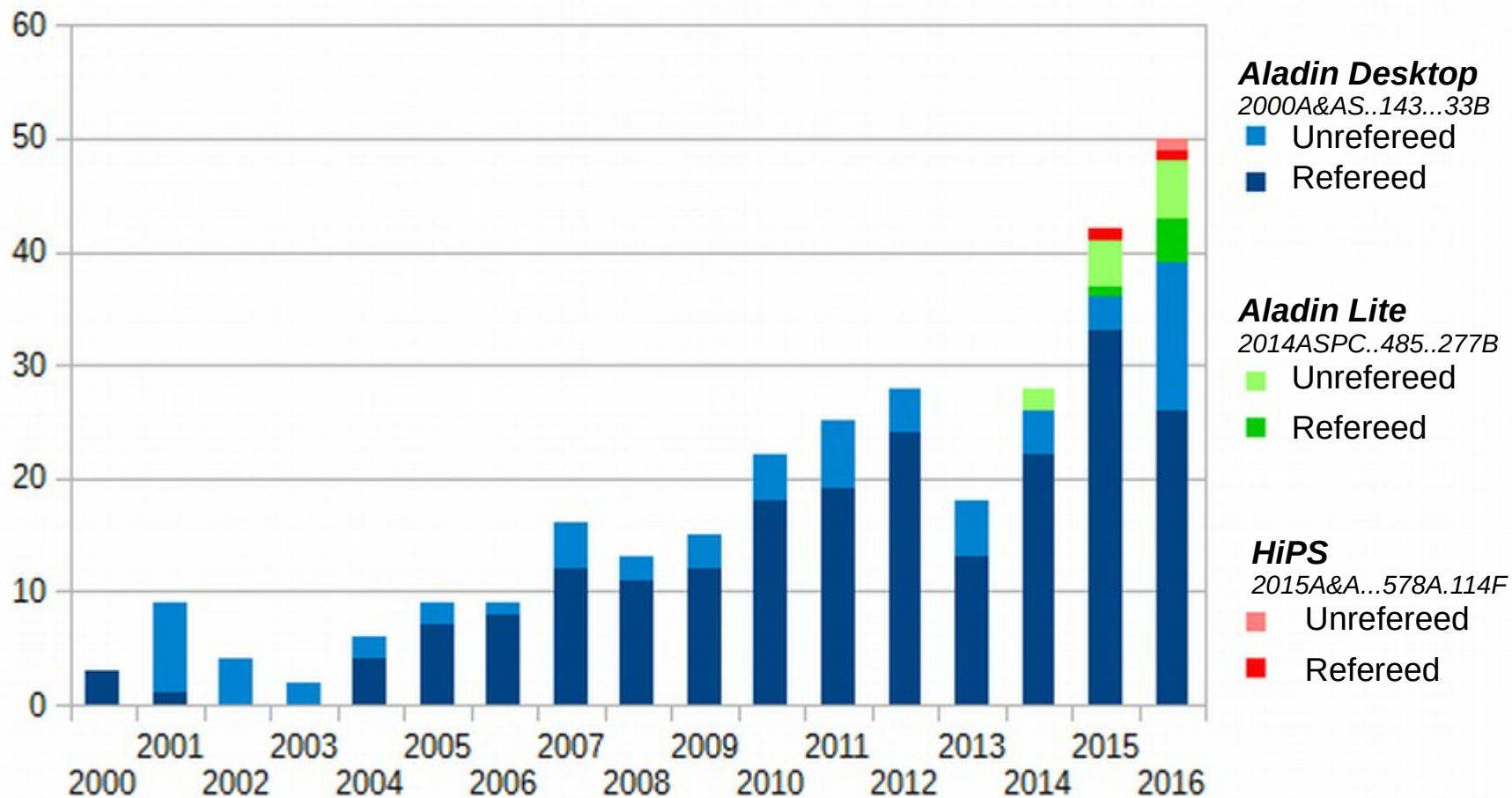


Aladin statistics

HiPS evolution



□ Literature citations



□ Next step...

- HiPS
 - IVOA standard => PR to REC => HiPS networks adjustments
 - HiPS catalogs for all CDS tables (+16045 HiPS)
 - HTTPS support (especially for ALMA project)
 - Hipsgen improvements
- Aladin Clients:
 - Aladin Lite : HTTPS, interface improvements, coordinate grid, HiPS cube support, ...
 - Aladin Desktop : new IVOA standard integration (Datalink, TAP – ASTERICS & Gaia project), Europlanet adaptation, Hipsgen...

□ Thanks !

