Session 4 : Operations *JMMC* "point of view"

JMMC: see www.jmmc.fr *hopefully everything we talk about is there.*

- Agreement between 4 french universities and INSU/CNRS

- ~20 participating scientists (network mostly)*

- ~6 "cnap" people with 30% duties.*

- ~2 full-time engineers (software)* (incl. Laurent Bourgès, here)

- Produces, maintains utilities for observation preparation, data reduction, fitting, image reconstruction, data mining, databases & catalogs

- Supposely for the benefit of the french community, but always tries to make universal tools & services when possible. You probably noticed.

- Interoperability between JMMC utilities but also with other VO tools

- Fast development path & going to open source
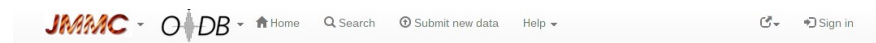
* Mileage may vary

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Some relevant TOOLS

- ASPRO 2: prepare observations (feasibility, proposals...) but also large programs (stars+calibrators), creates Observing Blocks (ESO's high level observing requirements or VEGA StarList): helps schedule observations for the night.

- SearchCal / JSDC 2.0: ~ 400 000 star diameters. (A&A paper in press) + badcal

- OIFitsExplorer: OIFITS visualisation => in future: filtering / selection / processing tool (currently in redesign phase): quick-look; DRS graphics; frontend of image reconstruction/model fitting software…

- OIDB: the all-purpose interferometric data database with L0 (CHARA, VLTI), L1/L2 (PIONIER, VEGA), L3 (published) data…

- *OLBIN publi database*

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Optical **i**nterferometry **D**ata**B**ase

13	14	122	15	5514	5987	34435
FACILITIES	INSTRUMENTS	DATA-PIS	COLLECTIONS	OIFITS	GRANULES	OBS. LOGS

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Remark: need feedback & contact with instrument teams to improve "user experience"...

"VLTI Centres":

- Like the ALMA Regional Centres (ARCs), will provide face-to-face support for preparation of observations, data reduction & interpretation (including state of the art image reconstruction).

- Also schools & workshops, seminars...

- Through JMMC: in France, probably early 2017. Other EU countries should follow.

- Financial aspects unclear

- No reason why CHARA could not be included