SUV

Service aux Utilisateurs du VLTI

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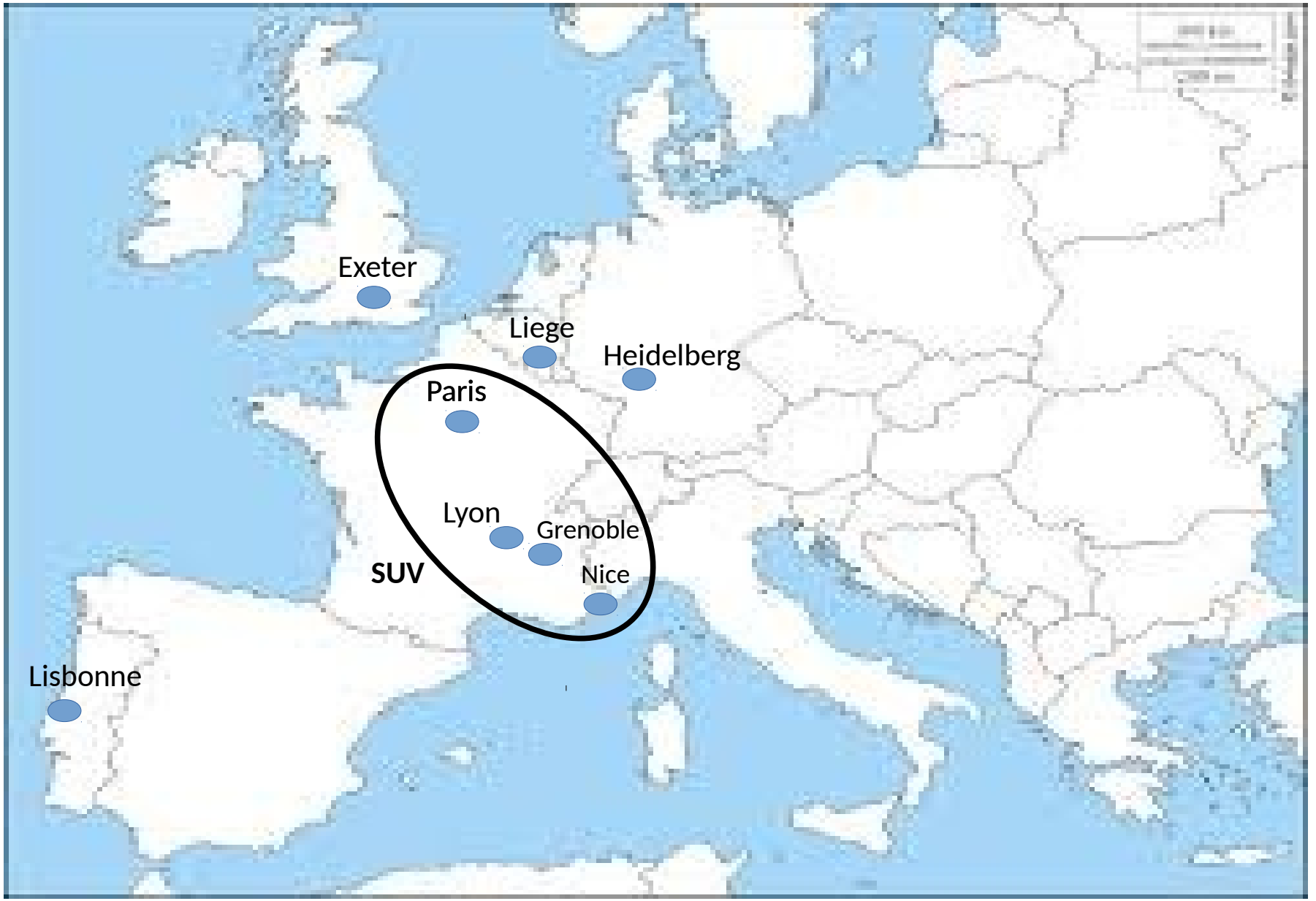
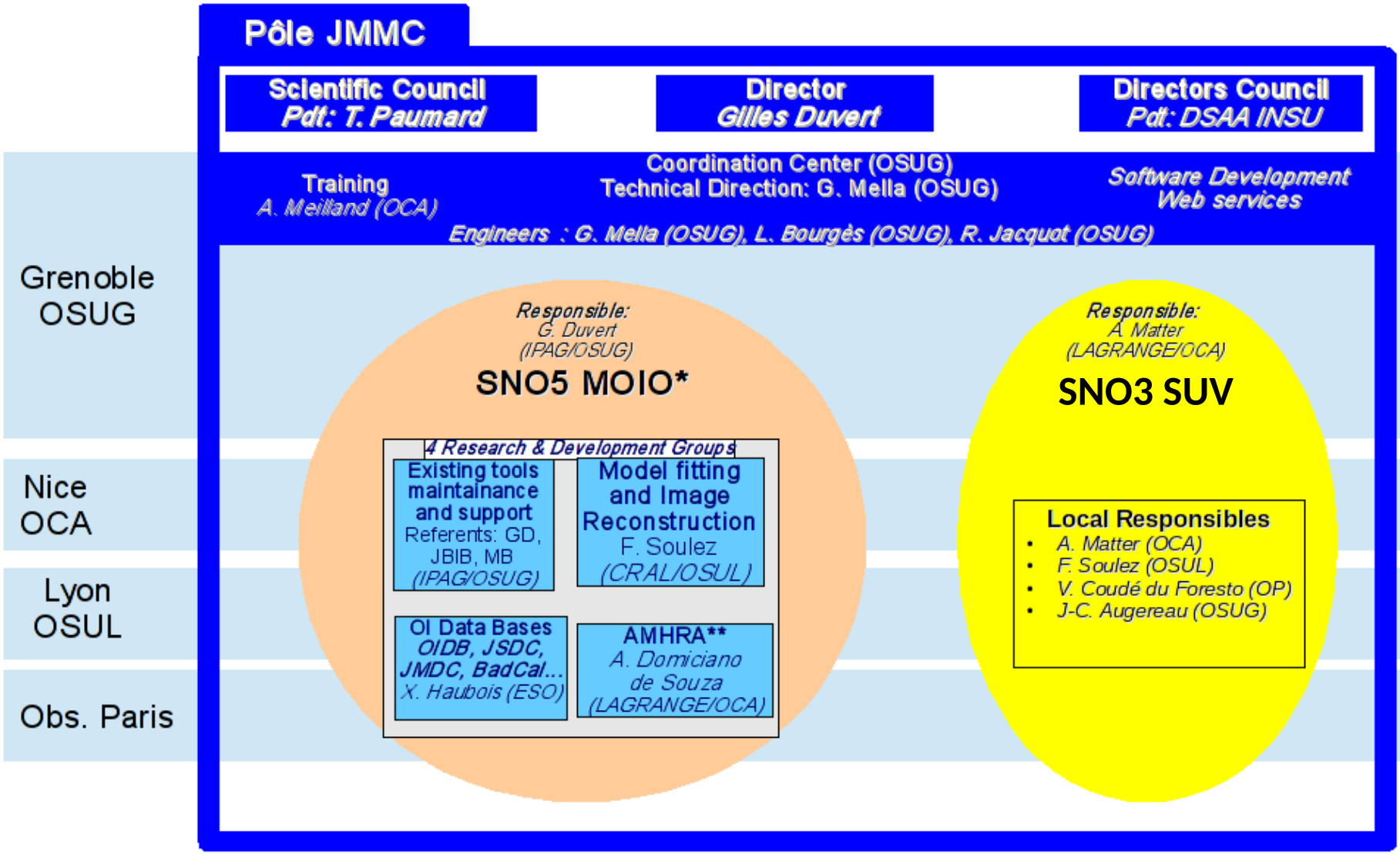
Observatoire de la CÔTE d'AZUR

VLTI expertise centres network



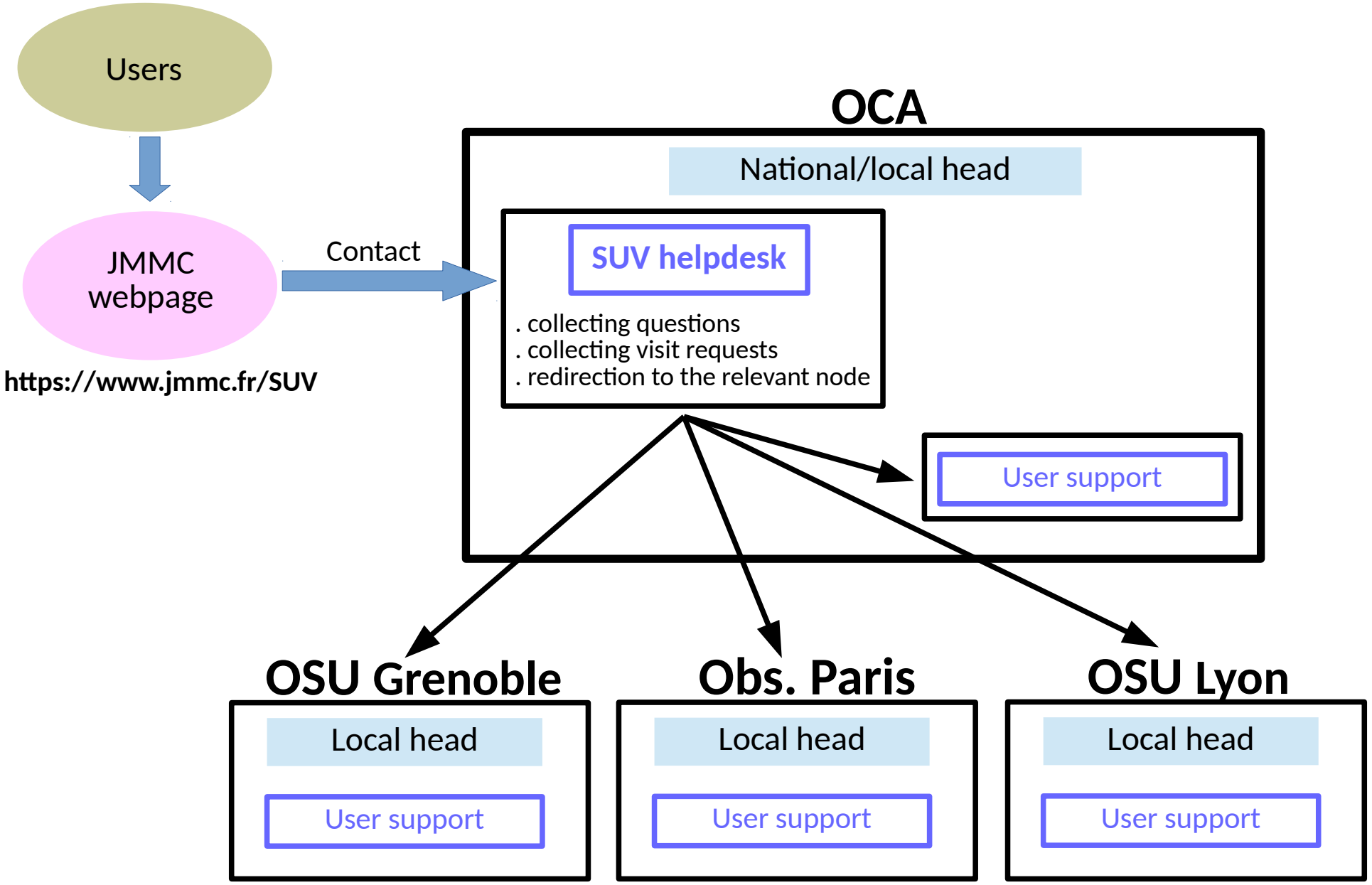
JMMC / SUV



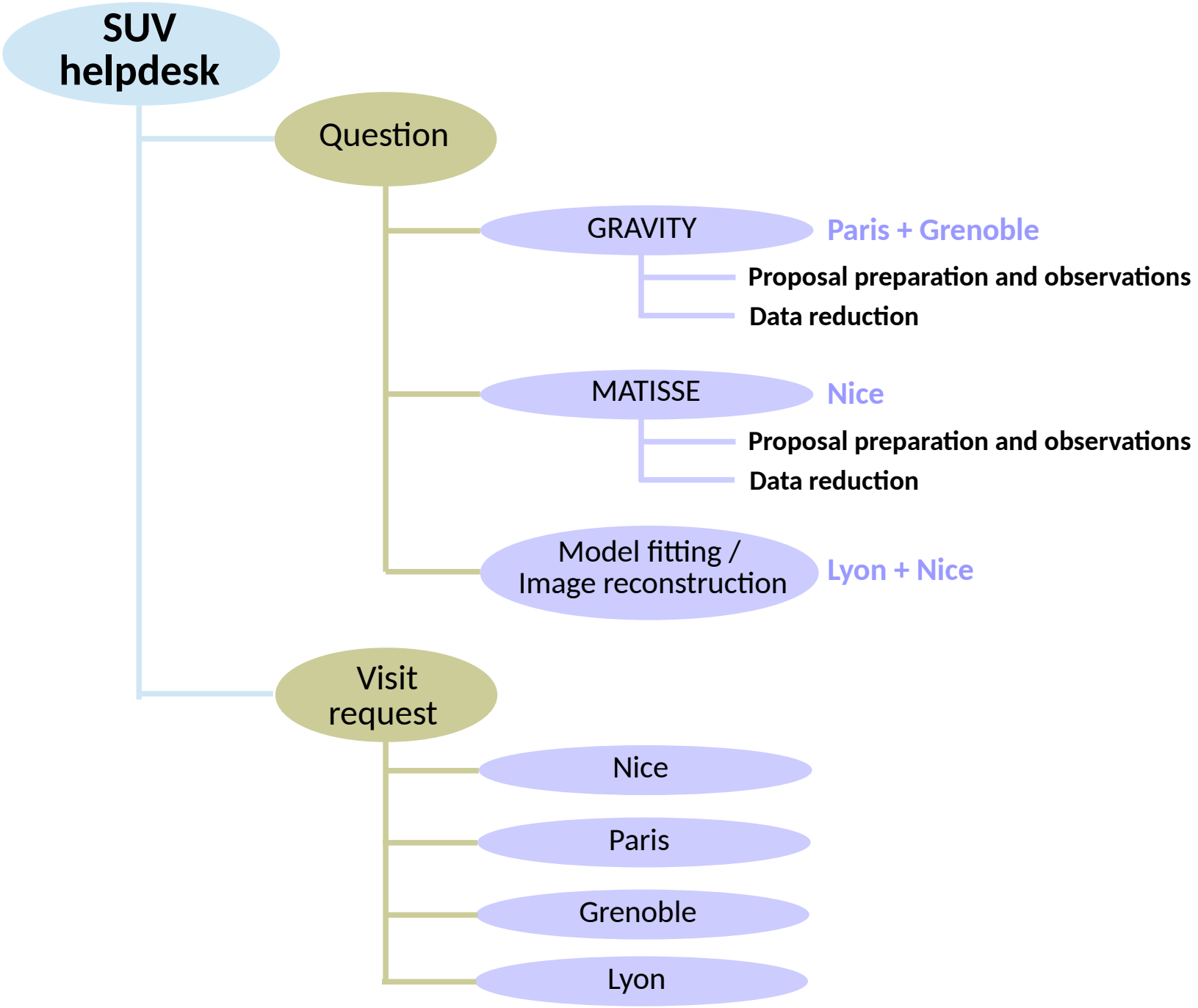
(*) Méthodes et Outils pour l'Interférométrie Optique

(**) Analyse et Modélisation en Haute Résolution Angulaire

Organization chart (in progress)



Tree view of SUV helpdesk



Available services / Access conditions

Available services

Local node

Local head

User support

Complete support for at least one instrument

Proposals and observations preparation → Data reduction → 1er expert opinion (image reconstruction and/or model fitting)

Data access and protection

Users →

Access : open to every researcher wanting to reduce a raw VLTI dataset to which they have access.

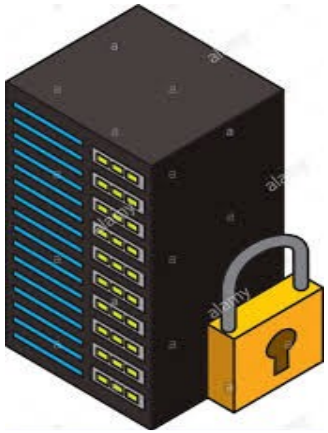
« **Protection** » **:** all data reduced with SUV → private OIDB collection → released 2 years after the observations

Face-to-face assistance - data handling

SUV node

SUV expert (private machine)

ESO archive (Garching)



Centralized server (Nice)

Face-to-face assistance - data handling

SUV node

SUV expert (private machine)

ESO archive (Garching)

Remote connection

Centralized server (Nice)

Raw data

~ 300-400 Go per observing night

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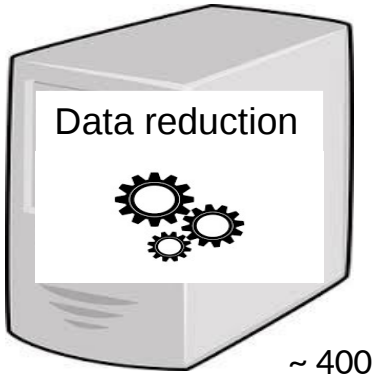
Centralized server (Nice)



~ 300-400 Go per observing night

~ 400 Go per observing night
(intermediate products)

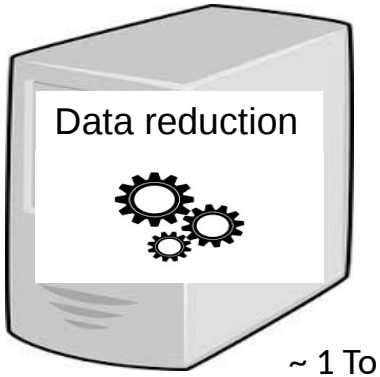
Face-to-face assistance - data handling

SUV node

SUV expert (private machine)

ESO archive (Garching)

Centralized server (Nice)



Remote connection

Reduced data

Raw data

~ 1 To per observing night
(raw data + reduced data)

Reduced data

O-DB

Private data collection
(data protected until first paper or until 2 years after the observations)

Face-to-face assistance - data handling

SUV node

SUV expert (private machine)

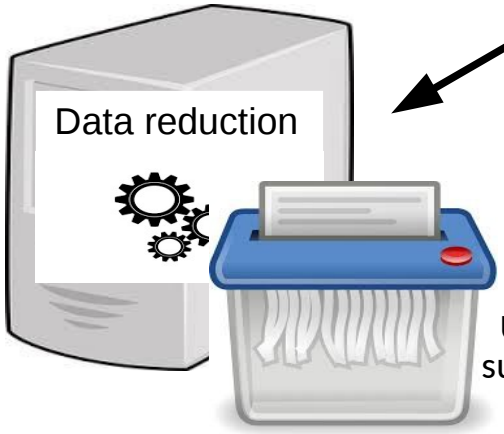
ESO archive (Garching)

Centralized server (Nice)

Remote connection

Reduced data

Raw data



User data suppression

Reduced data

OiDB

Private data collection
(data protected until first paper)

Test of the service

SUV helpdesk interface

- Test of the interface in March 2019 (submission / handling of tickets, communications)
- **Helpdesk actived and functional (SUV is OPEN)**

Face-to-face support

- Simulation of a visit in Grenoble for support on GRAVITY (visitor : A. Matter, SUV expert : K. Perraut)
- « Individual » approach : Storage and reduction of raw data on personal laptop
  (4 cores CPU at 2.1 GHz, 15GB RAM, 720 Go disk space)
- Test globally successful (GRAVITY data reduced), however problems and needs identified

Test of the service

Needs identified (or confirmed)

Centralized server

. Data reduction optimization
. No debug « on the fly »
. Softwares up-to-date (pipelines, additional tools)

Introductive documentation to interferometry

Better handling of novice users

Training actions on JMMC tools for SUV personnel

Homogeneity and optimisation of user support

Perspectives 2020

Centralized server at OCA (2*20 cores, 7*32 Go RAM)

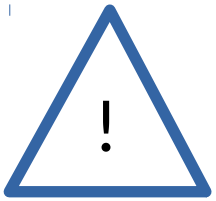
✔ Purchased, installed and available (pipelines and software suites to be installed)

Visibility and access to SUV

✔ Optimization JMMC webpage / access to the helpdesk (in progress)

Manpower

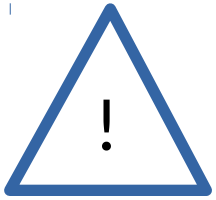
✔ Reinforcement of the manpower (especially in Paris and Grenoble)



Communication actions

✔ Announcement of SUV opening on OLBIN and forum-hra

✔ Next VLTI school in Nice (September 2020)




MATISSE Consortium
JMMC
GRAVITY
Merci !