

SUV

Service aux *Utilisateurs* du VLT



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www.jmmc.fr./SUV

JMMC

We interfere constructively



THE JMMC

- Who are we?
- Structure
- MOIO
- SUV**
- Who was JMM?

Home > The JMMC > SUV

SUV

the french VLTI center

Need for support? Visit the **HELPDESK ...**

A. Matter (OCA-LAGRANGE), Principal Investigator

As a new service of the JMMC, SUV (Service aux Utilisateurs du VLTI) provides, in four different sites (Nice, Grenoble, Paris, and Lyon), a complete support to the users of the 2nd generation VLTI instruments. This support consists of an individualized assistance (FAQ, questions submission, face-to-face meetings) that covers the preparation of observing proposals and observations, and the GRAVITY and MATISSE data reduction. It also includes an assistance in the critical use of the JMMC model fitting and image reconstruction softwares.

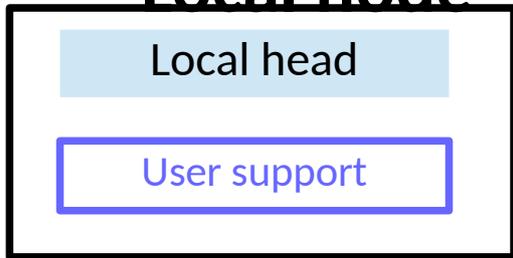
SUV is coordinated by the Observatoire de la Côte d'Azur (OCA) in Nice, with three other local nodes in Paris (Observatoire de Paris), Grenoble (IPAG), and Lyon (Observatoire de Lyon). A centralized helpdesk platform, hosted at OCA, collects all the user questions and requests for a face-to-face assistance in one of the four nodes. These questions and visit requests are then redirected to the relevant node. The SUV helpdesk is accessible through the JMMC webpage.

List of SUV nodes

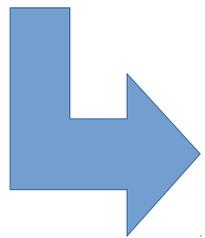
- Observatoire de la Côte d'Azur (Nice)
Fields of expertise: Observation and data reduction for MATISSE, image reconstruction
Website: www.oca.eu
- Observatoire de Paris-Meudon
Fields of expertise: Observation and data reduction for GRAVITY
Website: www.obspm.fr
- Institut de Planétologie et d'Astrophysique de Grenoble
Fields of expertise: Observation and data reduction for GRAVITY
Website: ipag.osug.fr

Available services

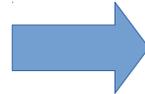
Local node



Complete support for at least one instrument



Proposals and observations preparation

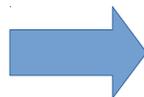


Data reduction



1^{er} expert opinion
(image reconstruction and/or model fitting)

Data access and protection



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

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

Available manpower (January 2021)

- ✓ Nice : 5 researchers
- ✓ Paris : 1 researcher
- ✓ Grenoble : 1 researcher
- ✓ Lyon : 4 researchers

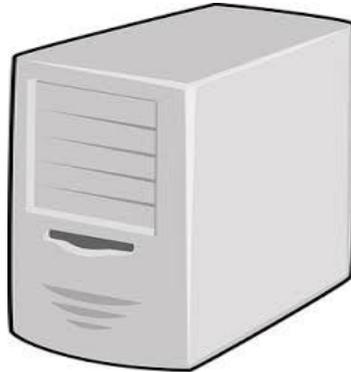
Face-to-face assistance - data handling

SUV node

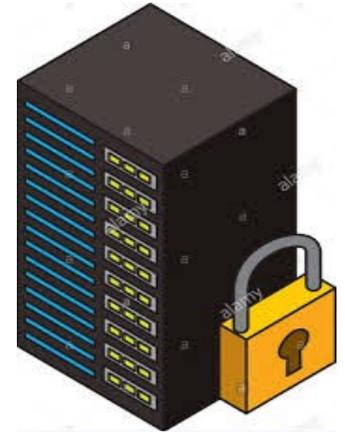


SUV expert (private machine)

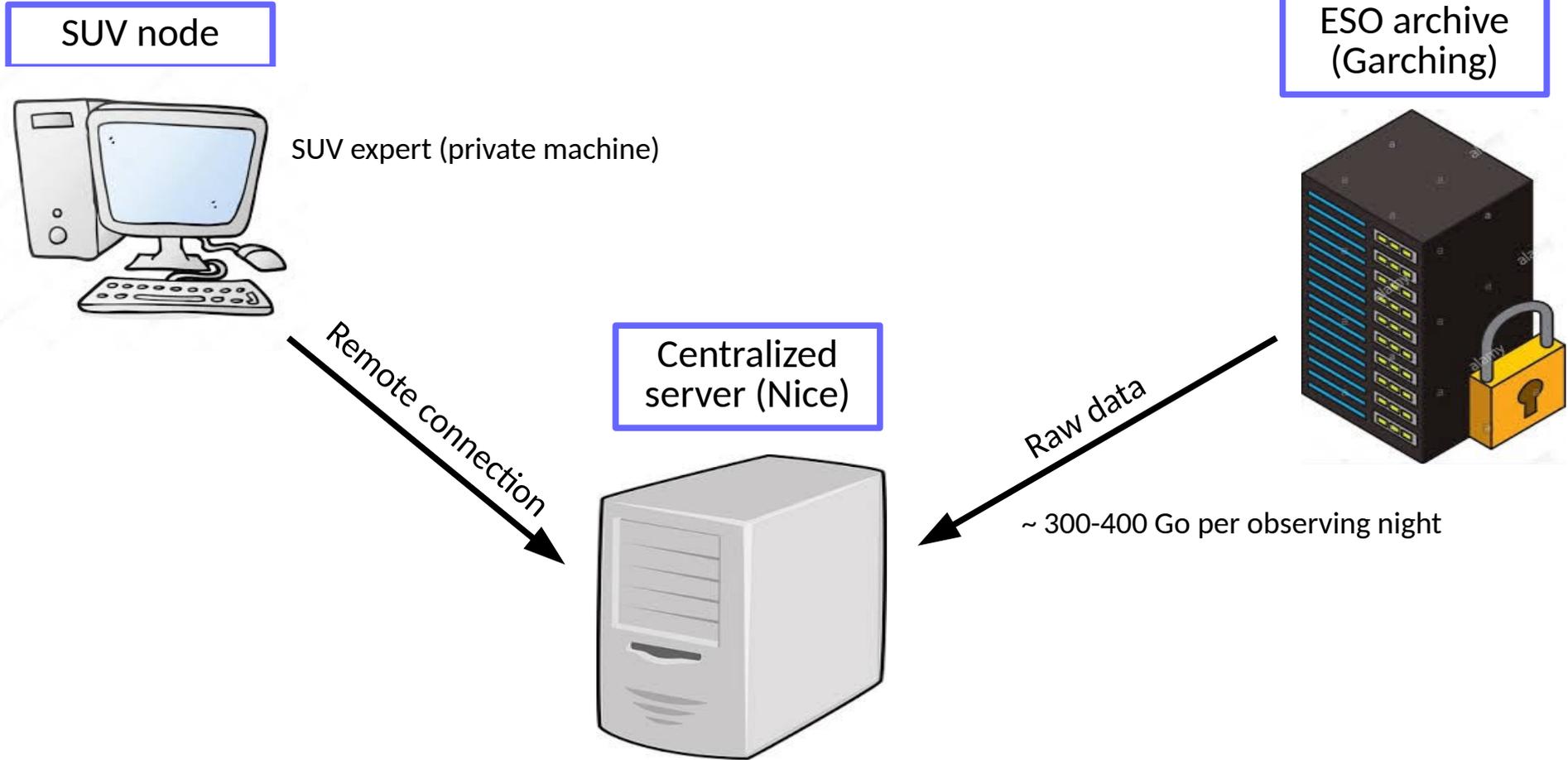
Centralized server (Nice)



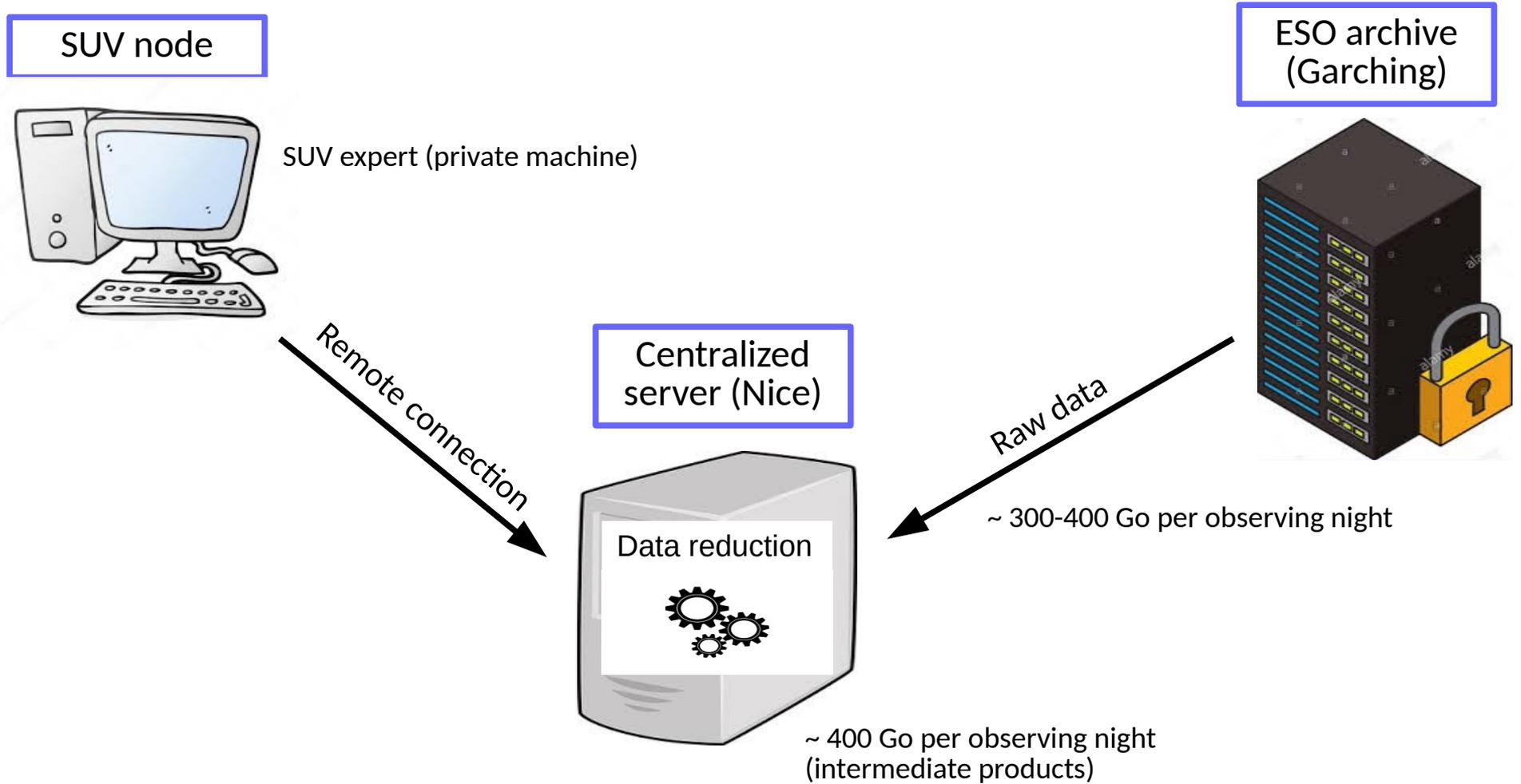
ESO archive (Garching)

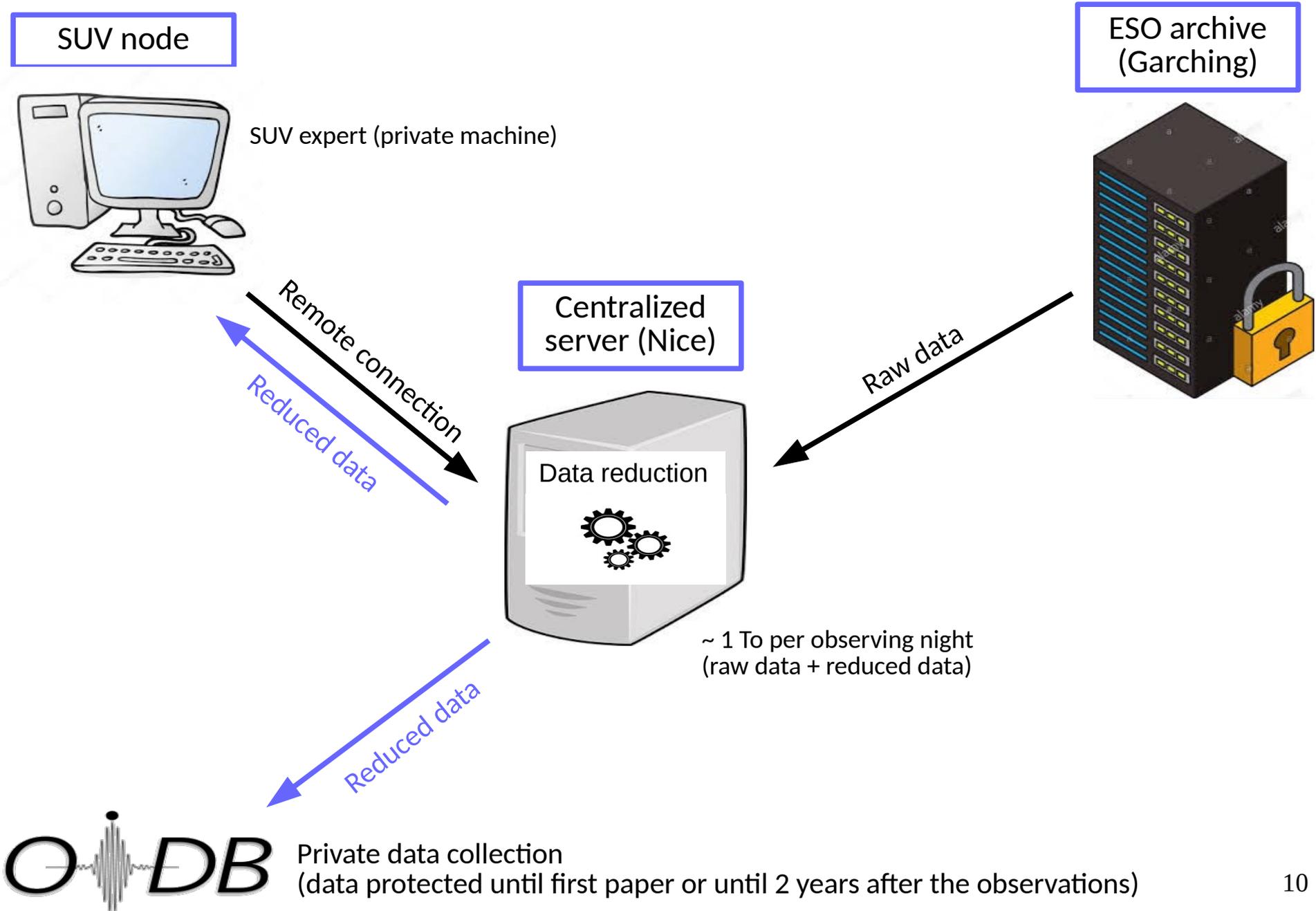


Face-to-face assistance - data handling

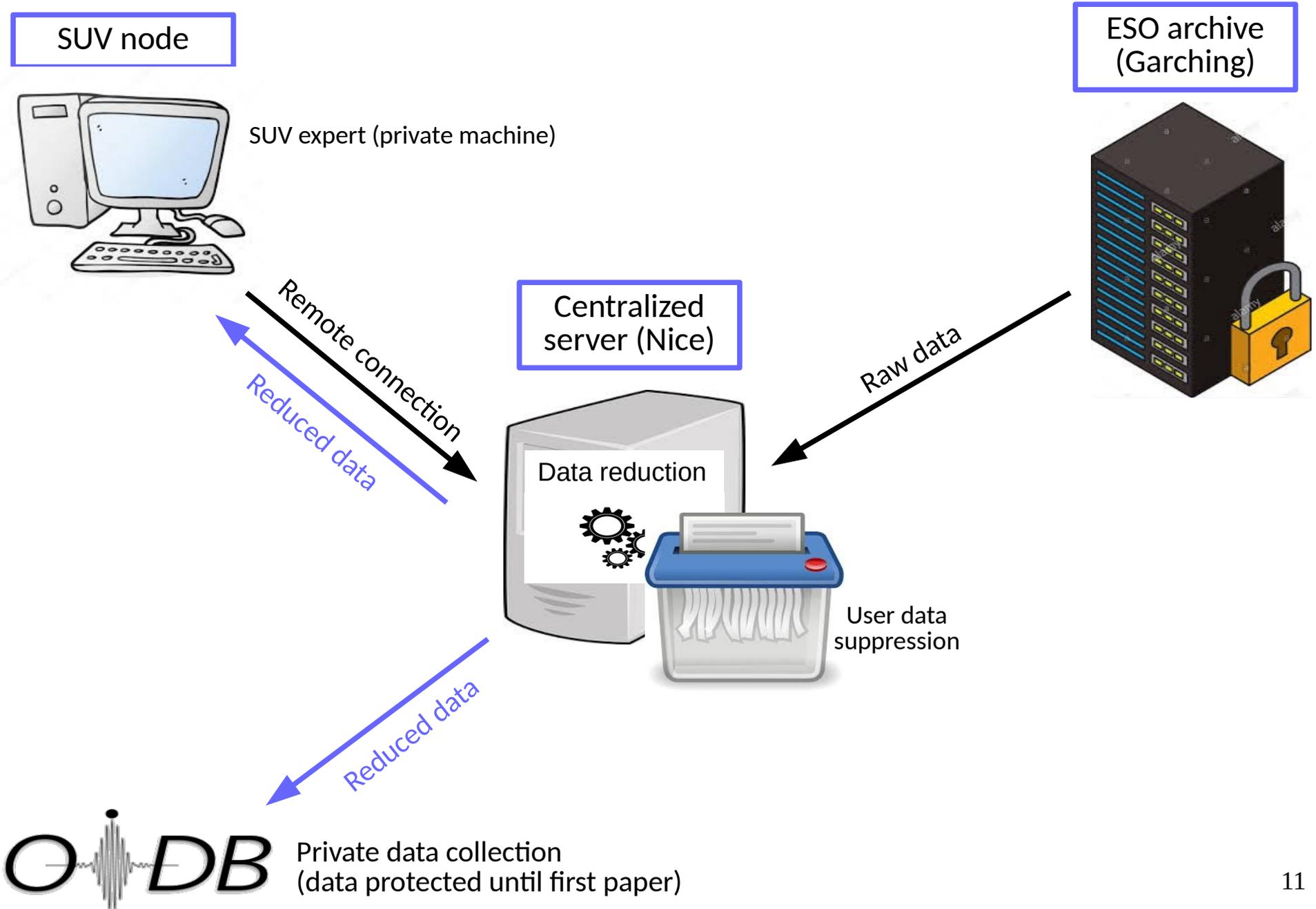


Face-to-face assistance - data handling





Face-to-face assistance - data handling



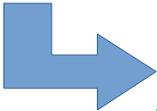
Centralized server

- ➔ Server (2*20 cores) is installed in the OCA mesocentre and accessible
- ➔ Currently : MATISSE data are processed on the matisse-oca machine

Pipelines

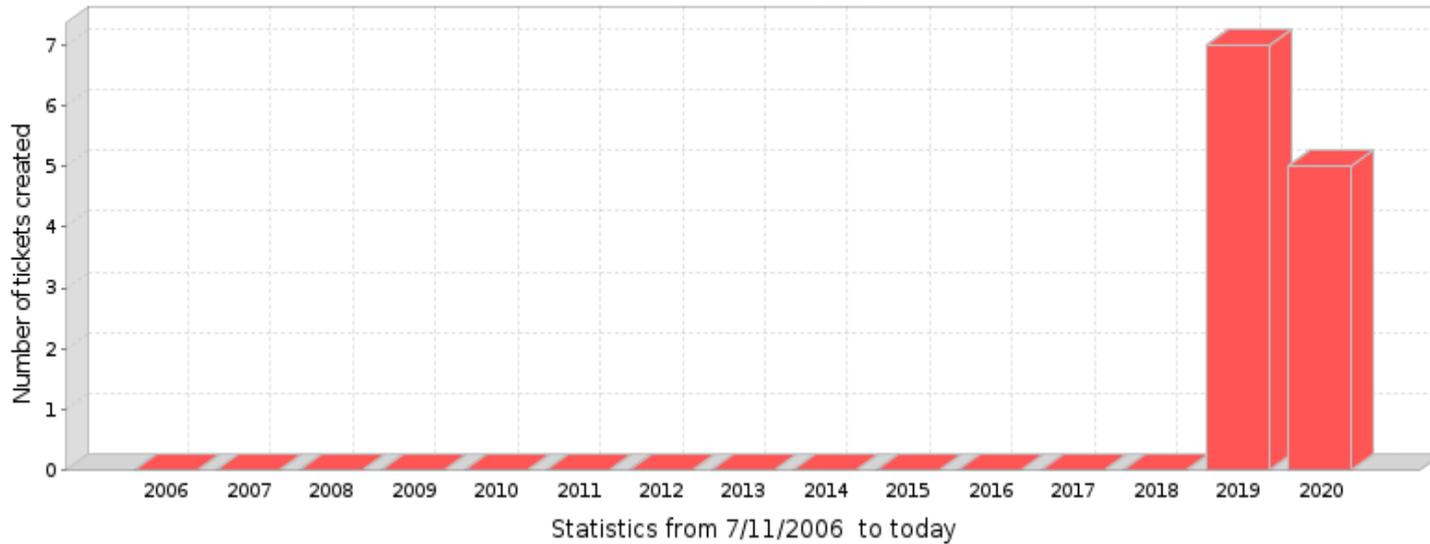
- ➔ On-going : Installation of the MATISSE pipeline + pre and post-processing Python scripts library
- ➔ **To be done soon : Installation of the GRAVITY pipeline (+ python scripts)**

SUV helpdesk



Tickets follow-up (tickets creation, reaction time, resolution time, ticket status)

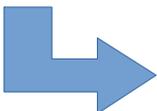
Ticket history since July 2006



7 tickets in 2019 (mostly test)
5 tickets in 2020

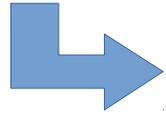


7 requests from VLTJ users

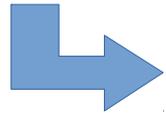


Iterations planned with the OCA IT department to improve the tool

OIDB

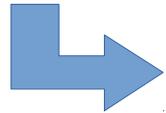


Current status (2020) : one reduced dataset put in OIDB

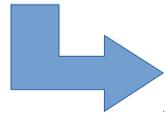


Follow-up of SUV reduced data deposit in OIDB → which approach ?

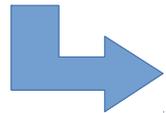
Publications



Current status (2020) : one peer-reviewed paper acknowledging SUV



Follow up of the publications acknowledging the help of SUV



Same tool as for papers acknowledging the use of the JMMC services (OIDB, JSDC,) ?

Introductory documentation on interferometry

- ✓ Better handling of novice users

Visibility and access to SUV

- ✓ Increase info redundancy on VLTI centers on the ESO webpages (i.e in 'contact information' in the main page of MATISSE and GRAVITY)
- ✓ Homogeneization with the european network → common helpdesk platform or at least webpage

Communication actions

- ✓ Bulk mail to various mailing lists both french and international
- ✓ Bulk mail to all the VLTI Pis (since P103) to inform about our support service?
- ✓ Next VLTI school in Nice (June 2021)

Training actions on JMMC tools and instrument pipelines

- ✓ Homogeneity and optimization of user support

Systematic archiving of L3 interferometric data

- ✓ Generalized use of OADB through the 'VLT center' channel

Data reduction service 'à la SPHERE data-center'

- ✓ Systematic processing of all VLT data (after some deadline)
- ✓ Centralized server → the recent one installer in Nice ?

Merci !