

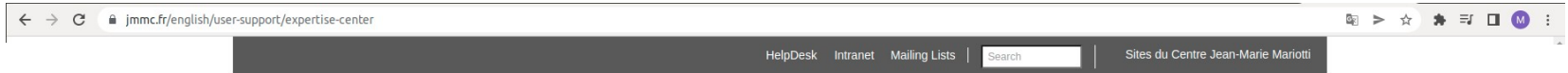
JMMC/SUV

AG JMMC 2023

Alexis Matter

Laboratoire J.-L. Lagrange - Observatoire de la Côte d'Azur

www.jmmc.fr/SUV



- USER SUPPORT**
- How to access
- Expertise Center**

Home > User Support > Expertise Center

Expertise Center

The french Expertise Center SUV/JMMC

Need for support? Visit the [HELPDESK ...](#)

The french expertise center SUV (for Services Aux Utilisateurs du VLTI) provides 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 data analysis, using the model fitting and image reconstruction softwares available from the JMMC website.

SUV is coordinated by Alexis Matter at the Observatoire de la Côte d'Azur (OCA) in Nice, and involves astronomers from three other nodes (Observatoire de Paris-Meudon, Observatoire des Sciences de l'Univers de Grenoble, Observatoire des Sciences de l'Univers de Lyon). A centralized helpdesk platform, accessible from the orange link above, collects all the user questions and requests for a remote or face-to-face assistance in one of the four nodes.

SUV is part of a european network of VLTI Expertise Centers (ECs), which are the backbone of support and dissemination activities to the current and new VLTI users. More detailed information about the VLTI ECs network can be found on the webpage of the [European Interferometry Initiative](#).

Detailed technical information about the VLTI instruments, including tools download and documentation can be found [here](#) for GRAVITY, and [here](#) for MATISSE.

Data protection policy

SUV is open to every researcher wanting to reduce a raw VLTI dataset to which they have access (either as PI or CoI, or because the ESO protection period lapsed). SUV can accept several requests on the same raw dataset.

Any dataset reduced with the help of SUV is put on OIDB (Optical Interferometry DataBase) in a private collection only accessible by the user and his/her designated colleagues. Such a collection will be kept private until the first publication of scientific results based on the reduced dataset, or ultimately until one year after the end of the ESO protection period on the raw data.

Therefore, the general rule is that all data reduced with the help of SUV will be made publicly available after the first scientific publication, or ultimately one year after the release of the raw data.

As a corollary, if SUV reduces raw data that have been public for more than one year, the reduced data will be made public immediately on OIDB.

Acknowledgements

The SUV expertise center has received funding from the European union's Horizon 2020 research and innovation programme under grant agreement No 730890.

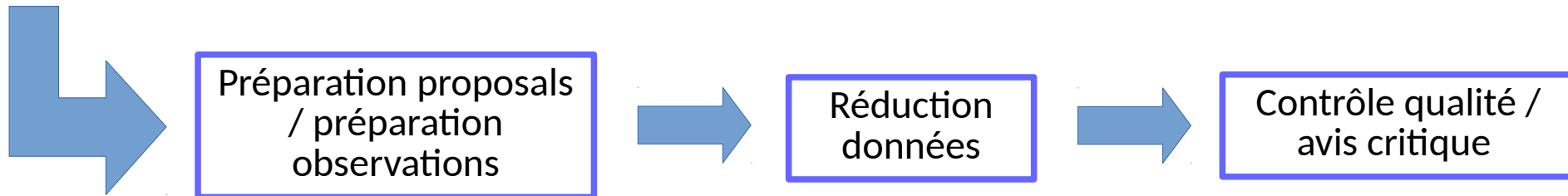
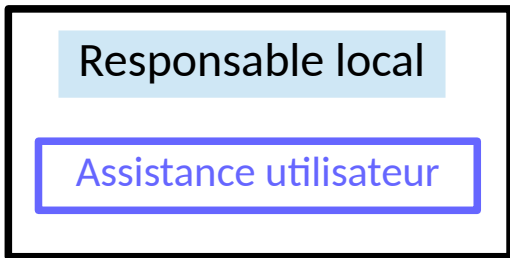
If your research benefited from the help of SUV, please acknowledge the use of this JMMC service by adding the following text in the acknowledgements section of your article:

"This research has benefited from the help of SUV, the VLTI user support service of the Jean-Marie Mariotti Center <https://www.jmmc.fr/suv>"

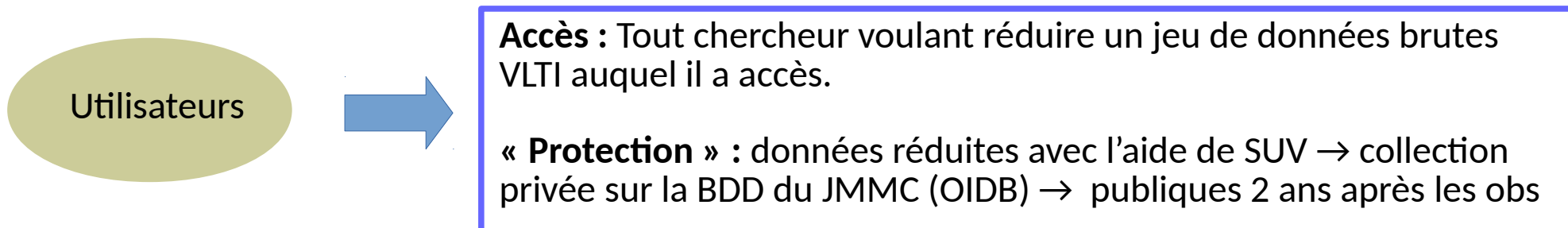


Services disponibles

Noeud local

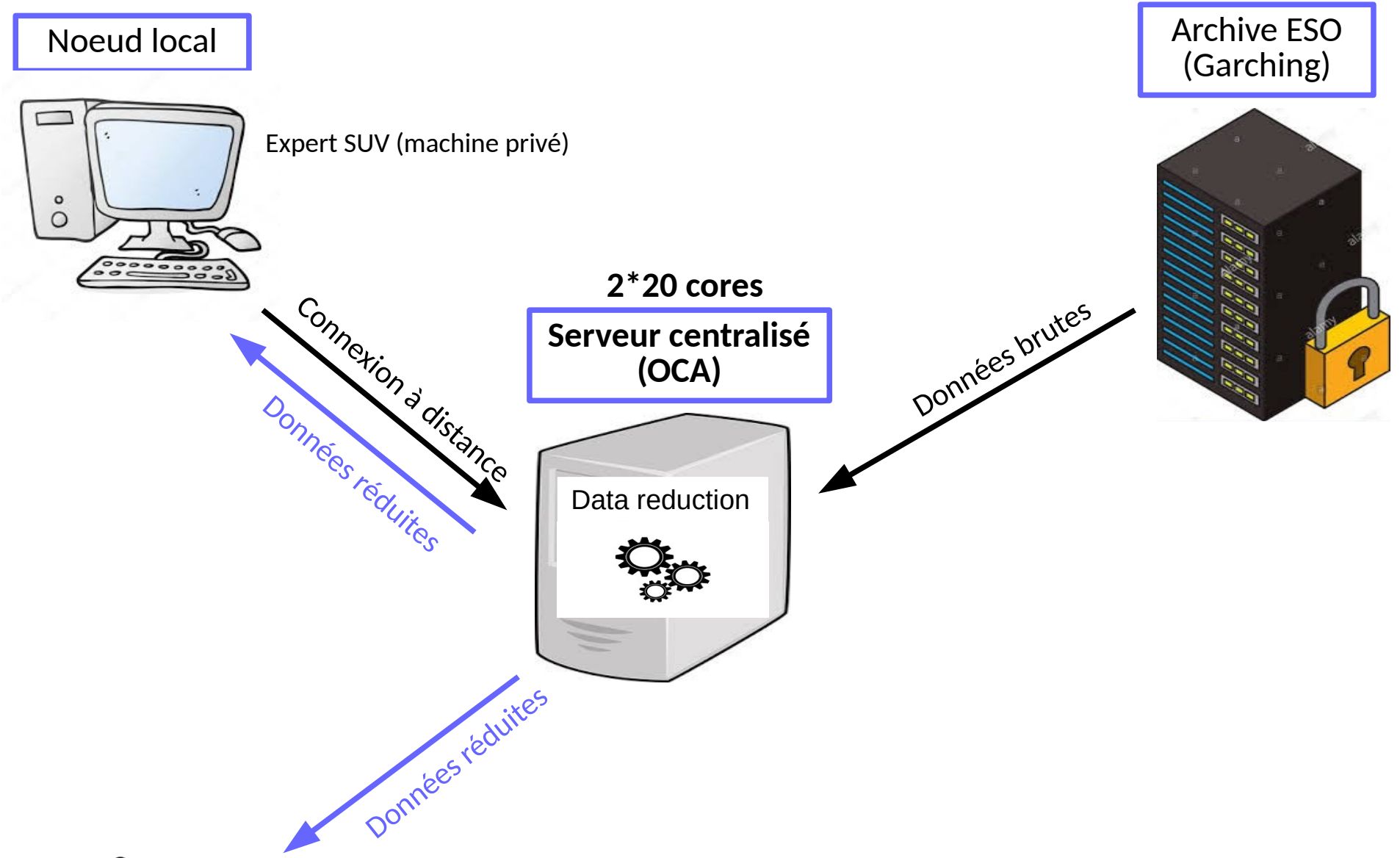


Accès au service / protection des données réduites



Ressources humaines en 2022 (pour mise à jour BDD INSU 2023)

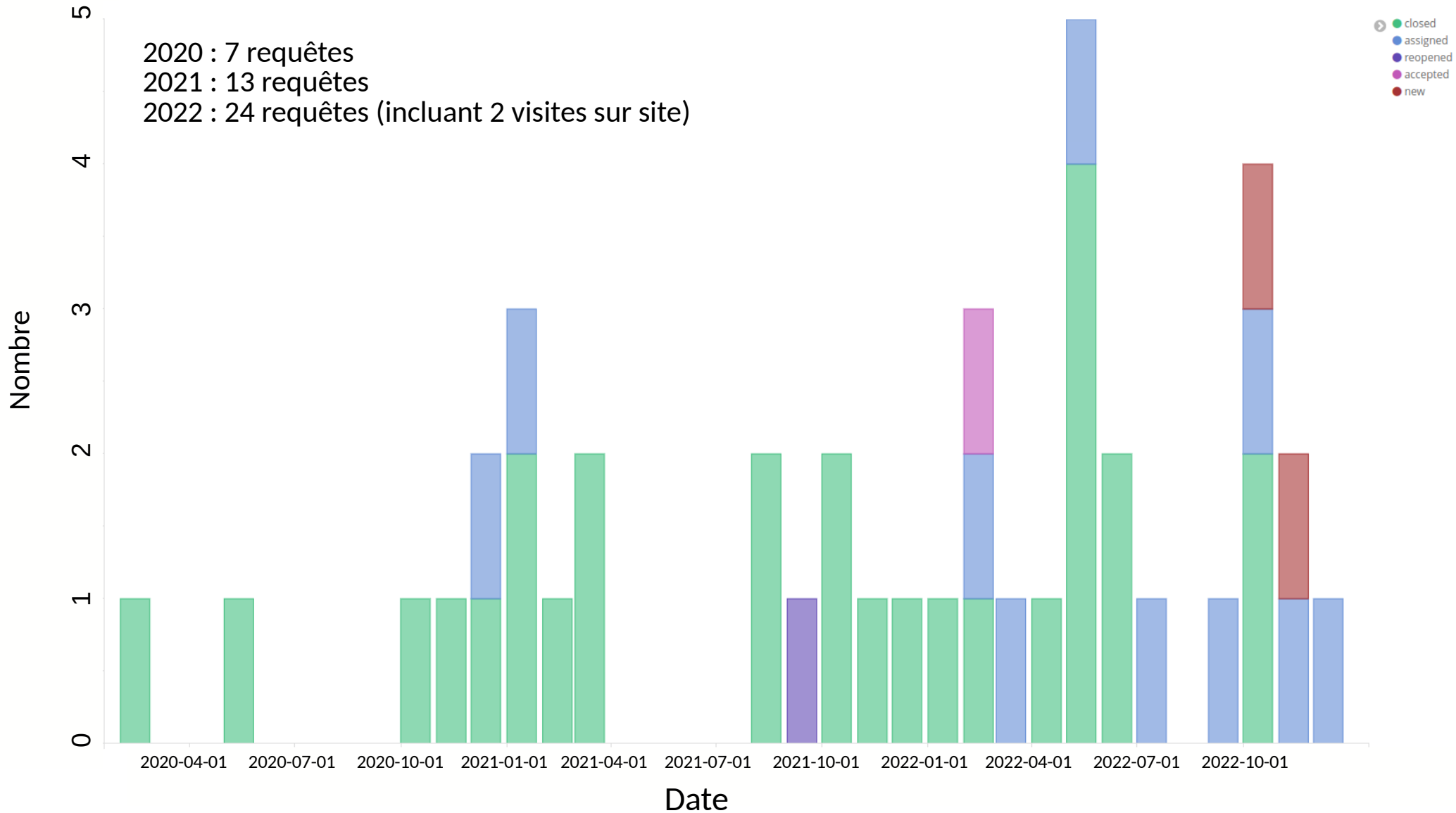
- ✓ Total FTE = 0.6
- ✓ Nb personnes disponibles = 6 chercheurs + 2 ingénieurs en support



Tickets SUV (2020-2022)

Temps traitement ticket ~ qqes heures à plusieurs jours

2020 : 7 requêtes
 2021 : 13 requêtes
 2022 : 24 requêtes (incluant 2 visites sur site)



Réunions

- ✓ Atelier SUV 'mise à niveau sur les outils d'assistance JMMC' (Sept 2022)

OIDB

- ✓ 5 collections SUV déposées sur OIDB

Peer-reviewed Publications

- ✓ 2020-2022 → 5 articles

- Kirchsclager, F., Ertel, S., Wolf, S., et al. (2020) "First L band detection of hot exozodiacal dust with VLTI/MATISSE," MNRAS, 499, L47-L52 - 2020MNRAS.499L..47K

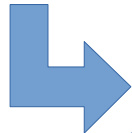
- Zain Mobeen et al. (2021) "The mid-infrared environment of the stellar merger remnant V838 Monocerotis," A&A, 655, A100.

- Corporaal, A., Kluska, J., Van Winckel, H., et al. (2021) "Multi-wavelength VLTI study of the puffed-up inner rim of a circumbinary disc," A&A, 650, L13.

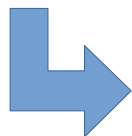
- Hocdé, V., Nardetto, N., Matter, A., et al. (2021) "Mid-infrared circumstellar emission of the long-period Cepheid ℓ Carinae resolved with VLTI/MATISSE," A&A, 651.

- Chiavassa A. et al. (2022) 'The extended atmosphere and circumstellar environmet of the cool evolved star VX Sagittarii as seen by MATISSE , A&A, 658, A185.

✓ Programme OPTICON/RADIONET (financement EU)

 2021-2024 → **3 keuros** pour activités de networking
→ **24 keuros** pour organisation école VLTl 2024 en France

✓ Dotation OSUs pour les activités JMMC

 **8 keuros** par an (à partager avec MOIO)

European-interferometry.eu/vlti-expertise-centers

WP17 → OPTICON/RadioNet Pilot program (EU funding)



VLTI Expertise Centre (VEC) Network



Universiteit
Leiden
Leiden Observatory

JMMC

UNIVERSITY OF
EXETER



KU LEUVEN



centra

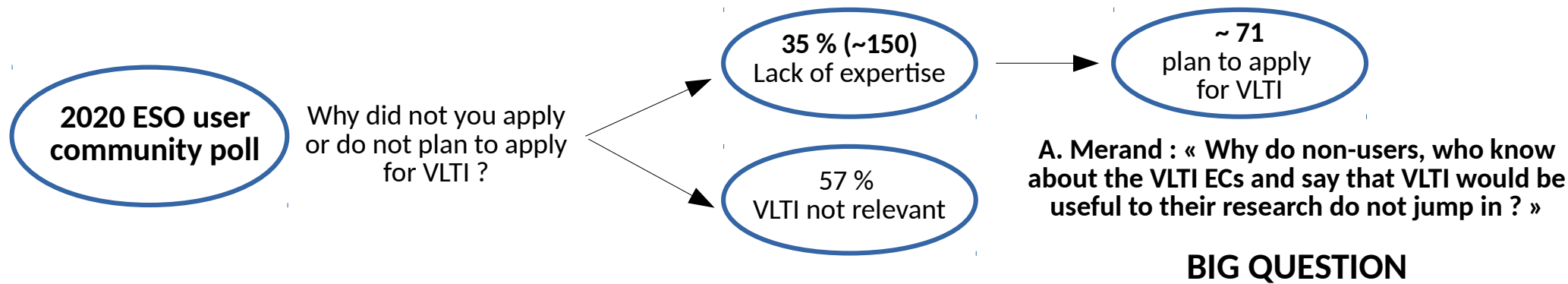
Credit : M. Filho

✓ Session VLTl à l'EAS 2022

- présentation des centres VLTl (Juin 2022)
- Nouvel atelier 'hands-on' prévu à l'EAS 2023

✓ Amélioration de la visibilité du réseau

- Page web sur le site de l'EII + redondance infos sur centres VLTl (pages web et cfp ESO)
- sondage à venir vers la communauté



✓ Ateliers 'reduced data' avec ESO et les centres VLTl (Juin et Octobre 2022)

- projet réduction données systématique par l'ESO des données d'archive VLTl
- contrôle-qualité ('curation') effectuée par les centres VLTl (coordination : Porto)
- Démarrage début 2023 avec données GRAVITY (mode service)

Assistance aux utilisateurs individuels

- ✓ Formation/coordination du service : augmentation fréquence réunions
- ✓ Actions de communication à maintenir/développer
- ✓ Archivage plus systématique données interférométriques réduites sur (OIDB)
- ✓ Echanges à développer avec les ARCs ALMA → retour d'expérience

Réseau européen / ESO

- ✓ Début 2023 : démarrage réduction systématique données d'archive GRAVITY par l'ESO
 - centres VLTI : Définition et exécution des procédures de contrôle-qualité
 - volume données GRAVITY (mode service) : ~ **1500 OBs de science depuis Oct 2016**
- ✓ Extension réduction systématique données d'archive à MATISSE en ~ 2024

Extension à CHARA/SPICA

- ✓ Assistance aux utilisateurs de l'instrument SPICA du réseau CHARA
- ✓ Préparation de l'insertion du User Support pour CHARA/SPICA dans SUV
 - document à soumettre à la CSA (Mars 2023)



Un nouveau nom pour SUV



SUIO (Support Utilisateur pour l'Interférométrie Optique) ?

USOI (User Support for Optical Interferometry) ?

ICUS (Interferometric Center for User Support) ?

F-ICUS (French Interferometric Center for User Support) ?



D'autres propositions ?

Vous avez 24h :-)

Merci !

Statut tickets JMMC (2020-2022)

