





# A global database for Optical Interferometry

X. Haubois <sup>1</sup>, G. Mella <sup>2</sup>, G. Duvert <sup>2</sup>, L. Bourgès <sup>2</sup>, D. Mourard <sup>3</sup>, J.-B. Le Bouquin <sup>2</sup>, M. Benisty <sup>2</sup>

1 European Organisation for Astronomical Research in the Southern Hemisphere, Casilla 19001, Santiago 19, Chile 2 UJF-Grenoble 1 / CNRS-INSU, Institut de Planétologie et d'Astrophysique de Grenoble UMR 5274, Grenoble, F-38041, France 3 Laboratoire Lagrange, UMR7293, Université de Nice Sophia-Antipolis, CNRS, Observatoire de la Côte d'Azur, CS 34229 06304 NICE CEDEX 4, France

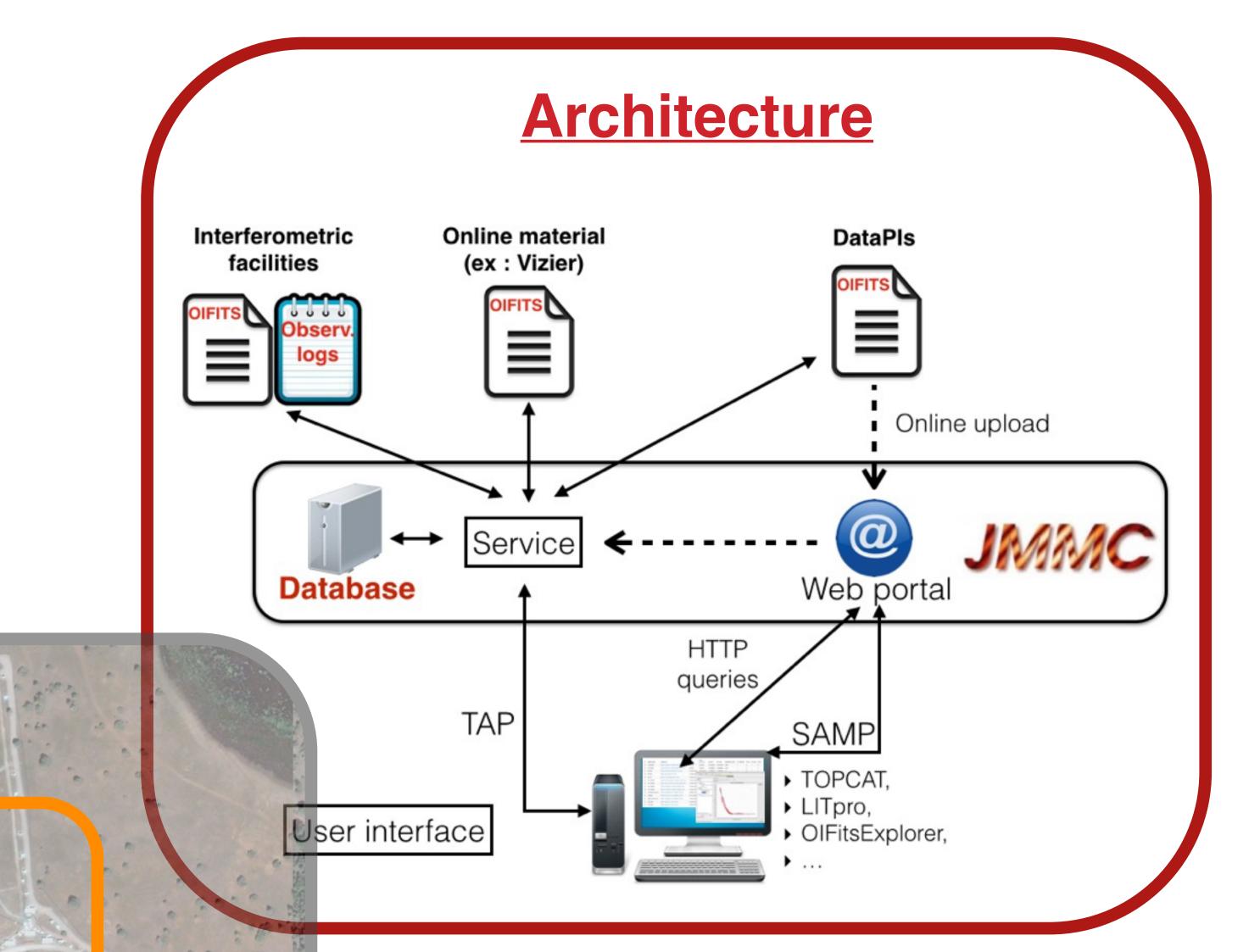
In this contribution, we report on the characteristics and functionalities of the first global Optical Interferometry (OI) archive and web portal, OiDB. After introducing the demonstration version at the SPIE 2014 (Haubois et al., 2014), we present the first operational version of the service. The database now makes available thousands of calibrated and published OI data (OIFITS format) as well as regularly-updated observation logs obtained with a wide range of interferometric instruments and facilities (including VLTI and CHARA). Such a service allows users to search, download, explore, and analyse OI data on a user-friendly web portal. It is also meant to create a starting point for collaborations between users and data providers. In the spirit of strengthening and widening the OI community, OiDB finally represents a central tool for specialists of other disciplines who wish to engage with the interferometric technique.

### Why a global database in Optical interferometry?

• Use and re-use of reduced data • Preserve, promote and centralise multi-facility data Broaden the OI community

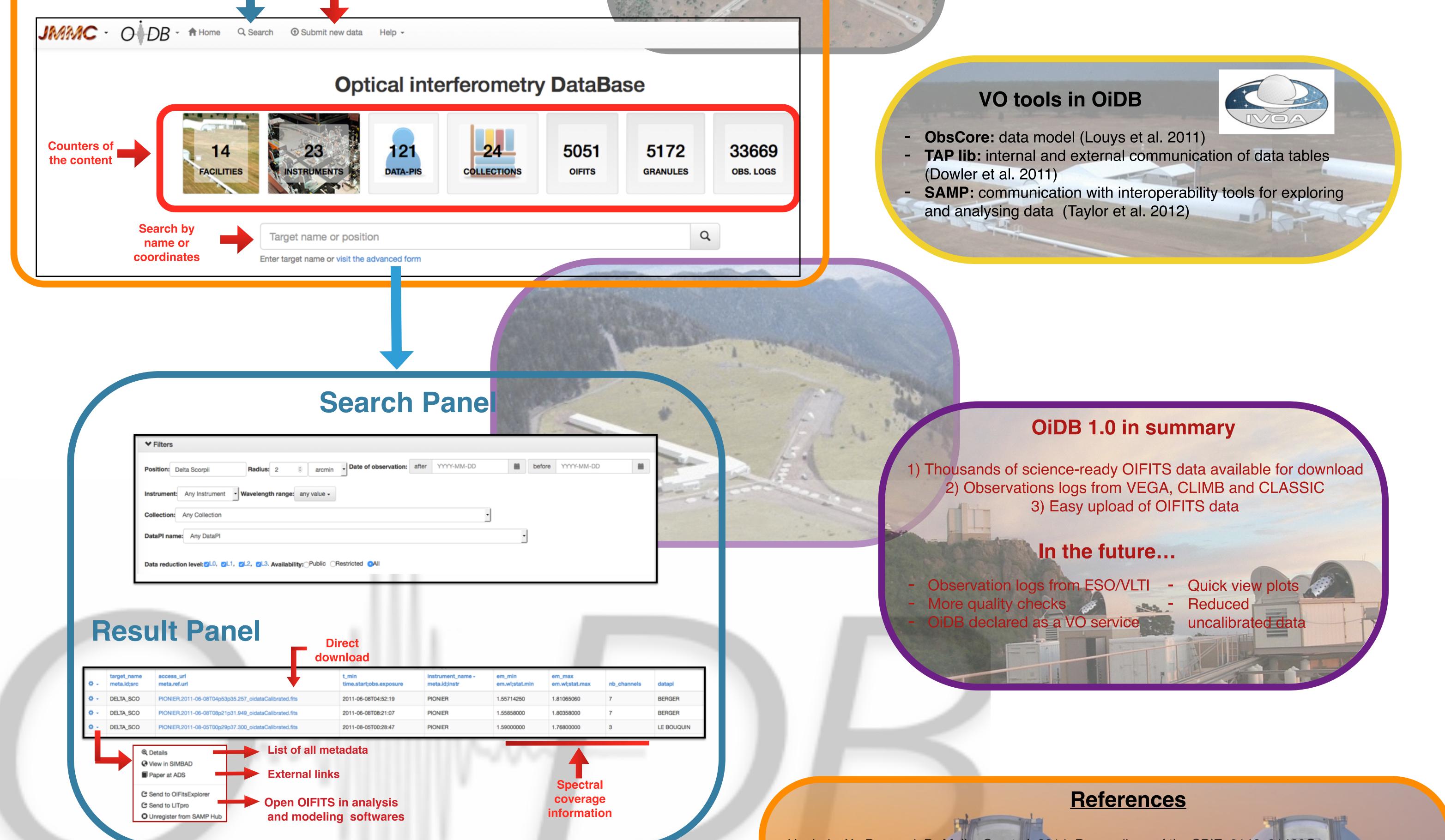
#### Guidelines

Link between data users and data providers Non-specialist friendly - Interoperability within the Virtual Observatory



**Observation** Upload logs, reduced your own and published **OIFITS OIFITS** 

## The Web Portal



• Haubois, X., Bernaud, P., Mella, G., et al. 2014, Proceedings of the SPIE, 9146, 914600 • Louys, M., Bonnarel, F., Schade, D., et al., 2011, arXiv:1111.1758 • Dowler, P., Rixon, G., & Tody, D., 2011, arXiv:1110.0497 • Taylor, M.B., Boch, T., Fay, J. et al., 2012, Astronomical Data Analysis Software and Systems XXI, 461, 279