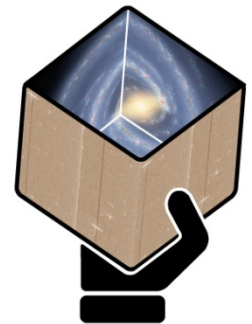


GENIUS Mid-Term review

Technical status



gaia



X. Luri

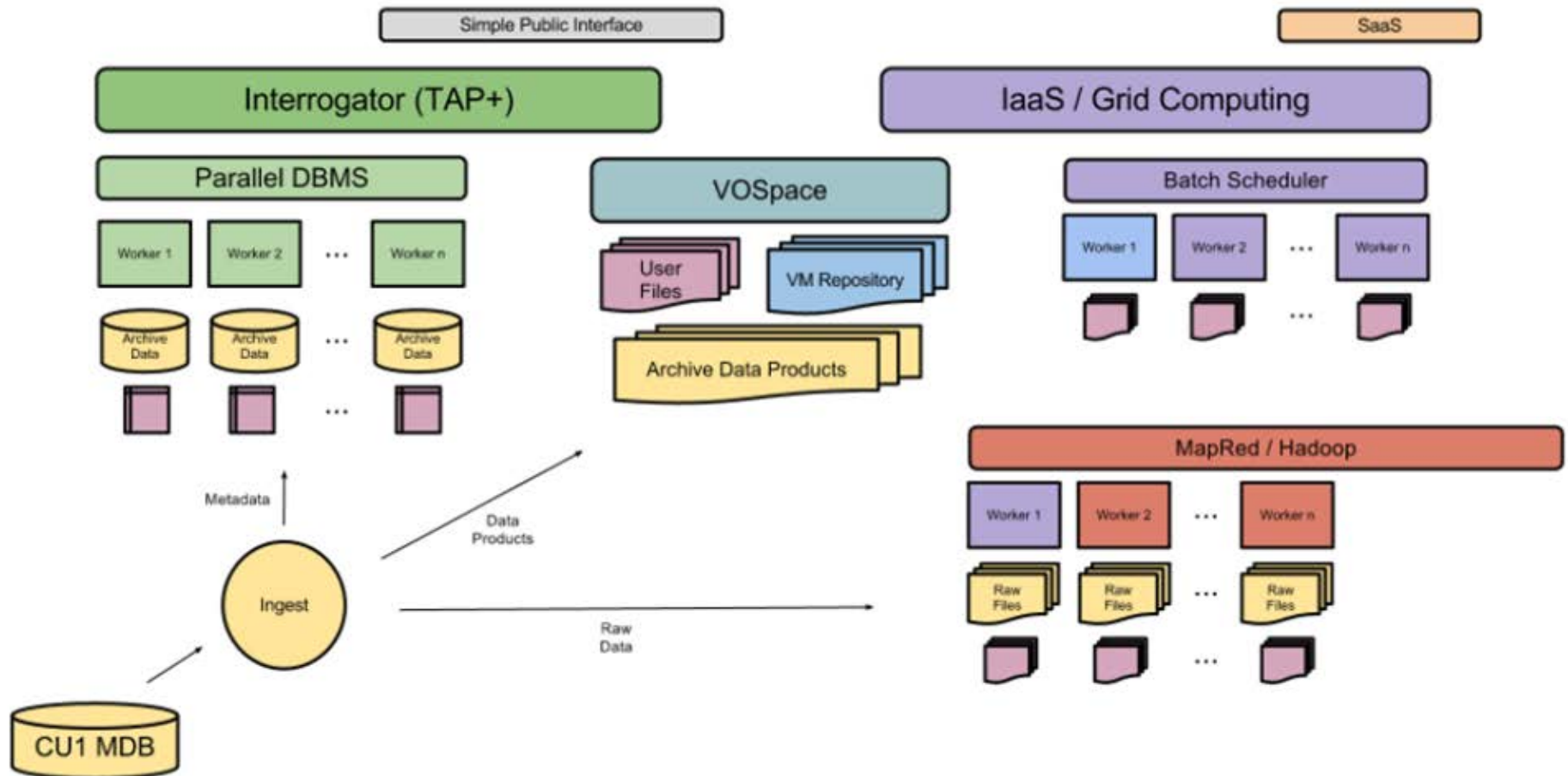
Universitat de Barcelona

From the **GENIUS** proposal:

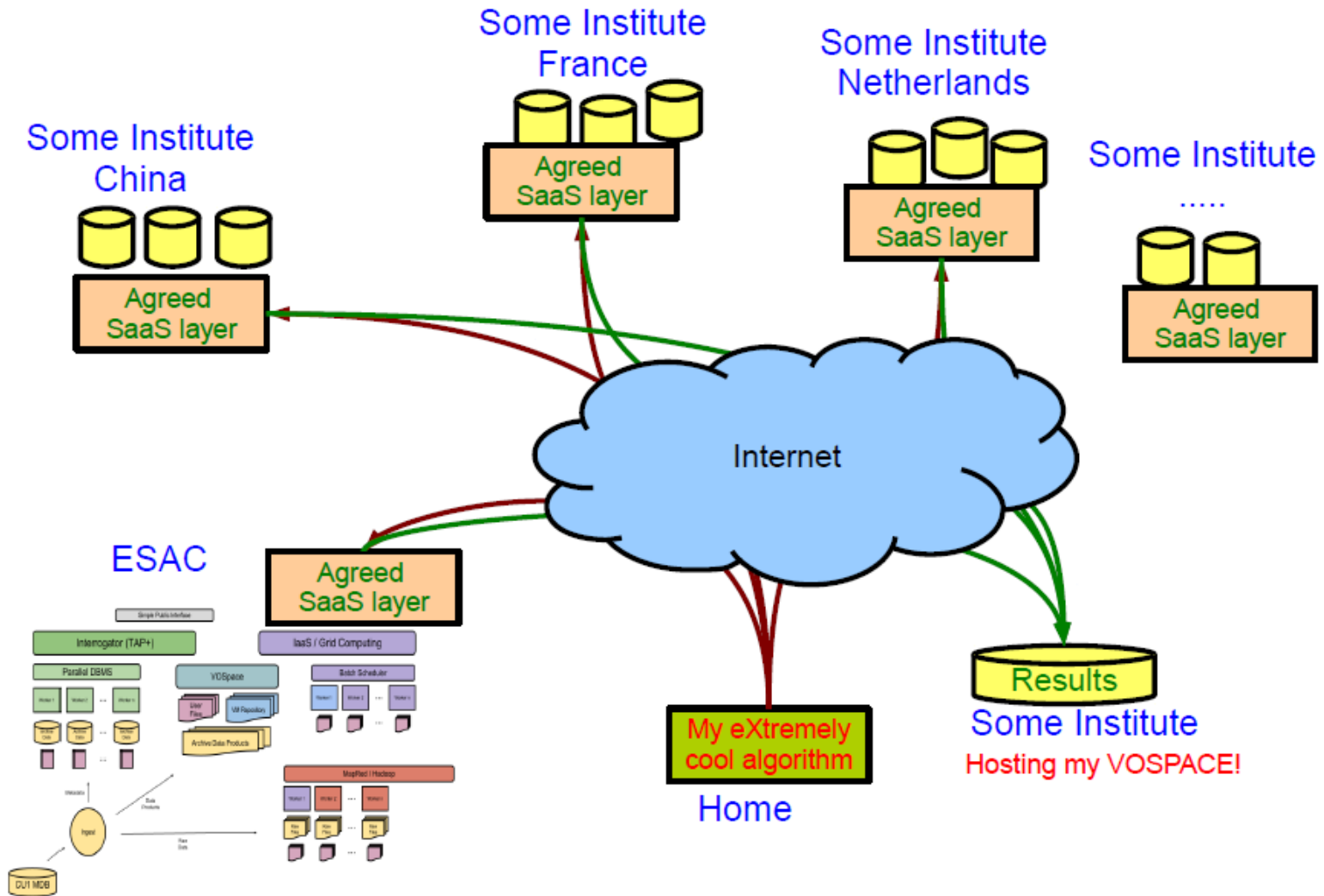
*“**GENIUS** is designed to boost the impact of the next European breakthrough in astrophysics, the **Gaia astrometric mission**. Gaia is a European Space Agency Cornerstone mission which is scheduled for launch in the final quarter of 2013 and aims at producing the most accurate 3D map of the Milky Way to date. A **pan-European consortium named DPAC**, funded at the national level, is working on the implementation of the Gaia data processing, of which the final result will be a catalogue and data archive containing one billion objects.*

*The archive system containing the data products will be located at the **European Space Astronomy Centre (ESAC)** and it will serve as the basis for the scientific exploitation of the Gaia data. The design, implementation and operation of this archive is a task that ESA has opened to participation from the European scientific community in 2012.”*

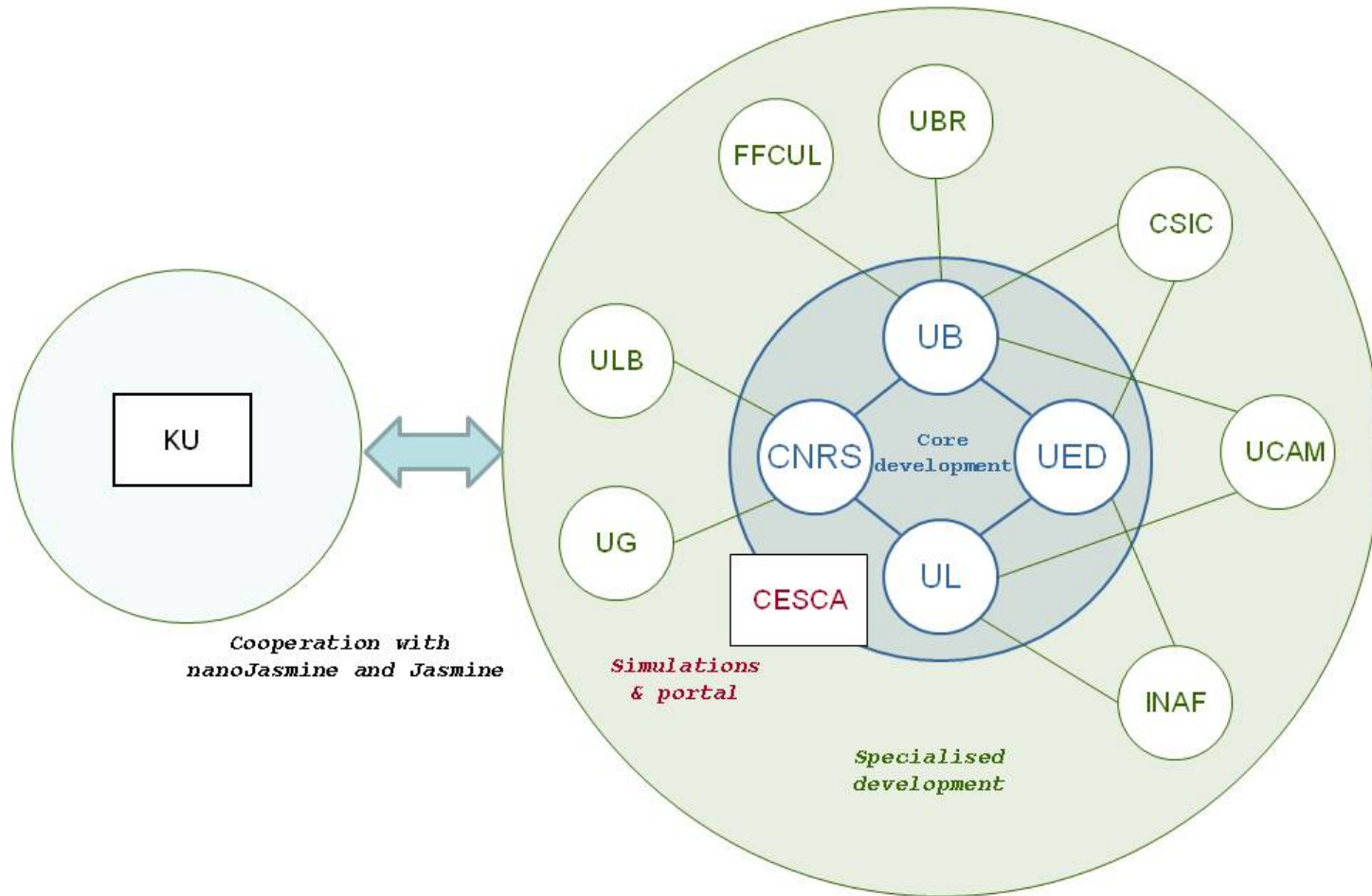
Archive architecture at SOC (initial ideas)



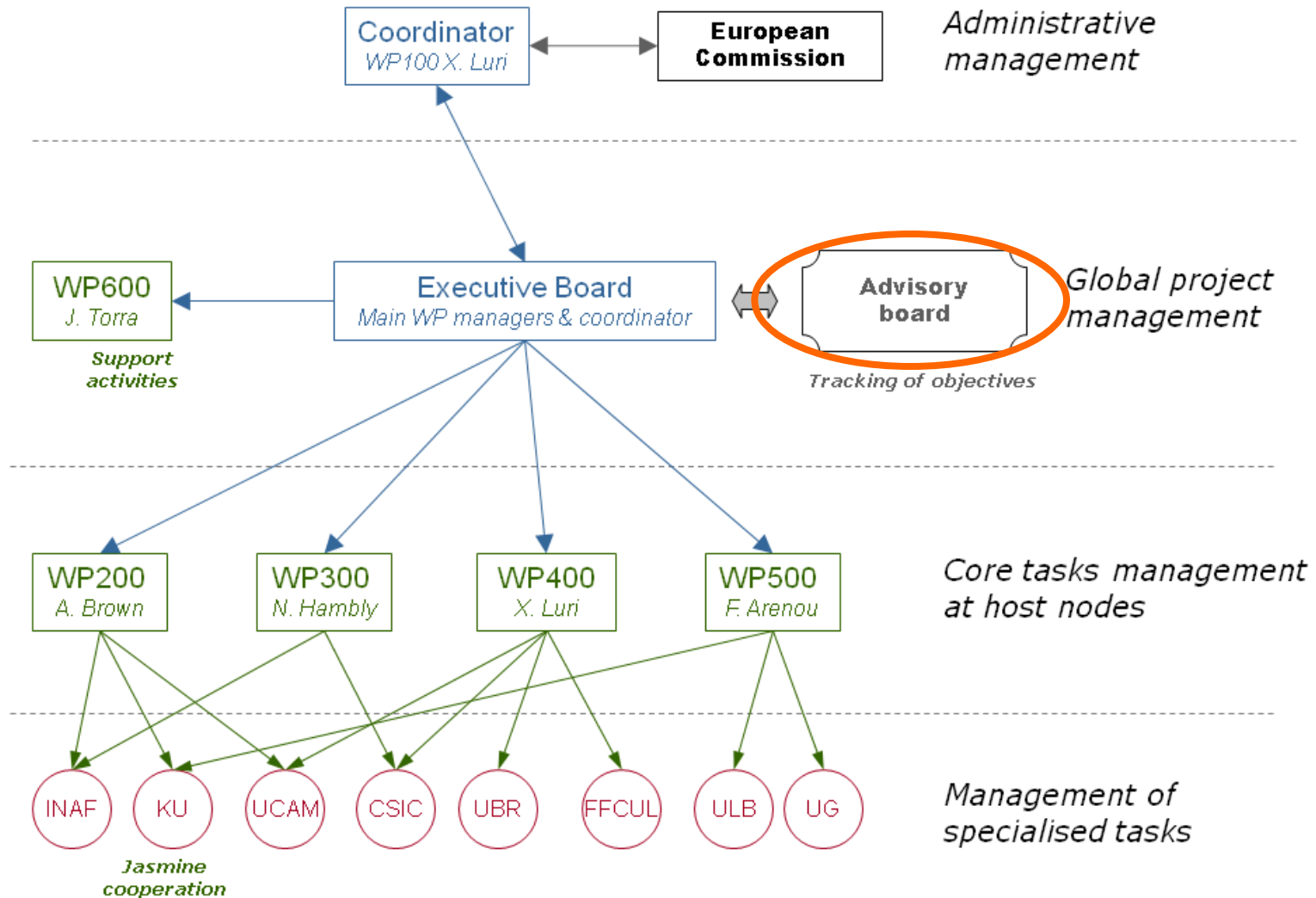
A possible "cloudy" future



Consortium structure



Consortium management



Advisory board

Created in November 2014:

- **William O'Mullane:** Head of Operations Development Division at European Space Agency
- **Françoise Genova:** director of Strasbourg astronomical data centre CDS
- **Tadafumi Takata:** Associate professor of Astronomy Data Center, NAOJ
- **Mark Wilkinson:** Royal Society University Research Fellow and Lecturer in Theoretical Astrophysics, University of Leicester

Has received GENIUS documentation. Mid term review today

DPAC integration of GENIUS

CU9 WPs

WP910 Management: **X. Luri** & J. Hernández

WP920 Documentation: F. van Leeuwen

WP930 Archive: **N. Hambly** & J. Salgado

WP940 Validation: **F. Arenou** & P. di Mateo

WP950 Operations: E. Mercier & J. Hernandez

WP960 Outreach: S. Jordan & **E. Masana**

WP970 Science Enabling Tools: **X.Luri** & S. Jordan

WP980 Visualization: **A. Moitinho** & J. Alves

DPAC integration of GENIUS

WP mapping

WP910 Management	G-WP1
WP920 Documentation	(G-WP6)
WP930 Archive	G-WP3
WP940 Validation	G-WP5
WP950 Operations	
WP960 Outreach:	G-WP7
WP970 Science Enabling Tools	G-WP4
WP980 Visualization	G-WP4

Schedule overview

As defined in the GENIUS proposal:

- The 6 first months were devoted to project set-up (including hiring of developers)
- The development was scheduled to start in month 6 (March 2014) but actually started even earlier in many cases. At the plenary meeting in Vienna (7-8 July 2014) the GENIUS consortium was already at full speed.



gala

