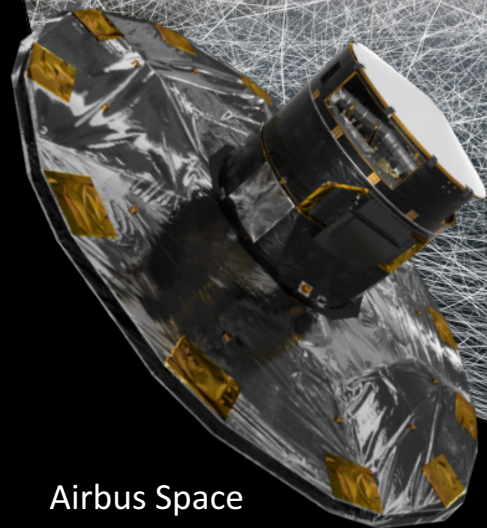


Other Contributions from ESAC

Rocío Guerra
On behalf of the Gaia SOC Team



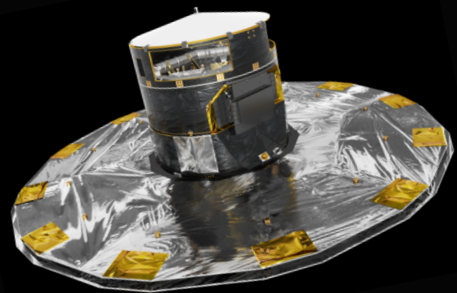
Airbus Space

ESA/Gaia/DPAC



Gaia EDR3, 3rd December 2020

Every day data from Gaia is processed



~35GB daily
11001
10101
10111
01010
11110

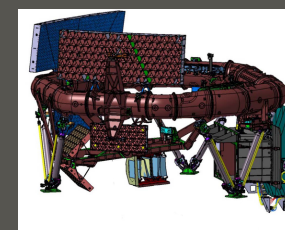


Gaia MOC

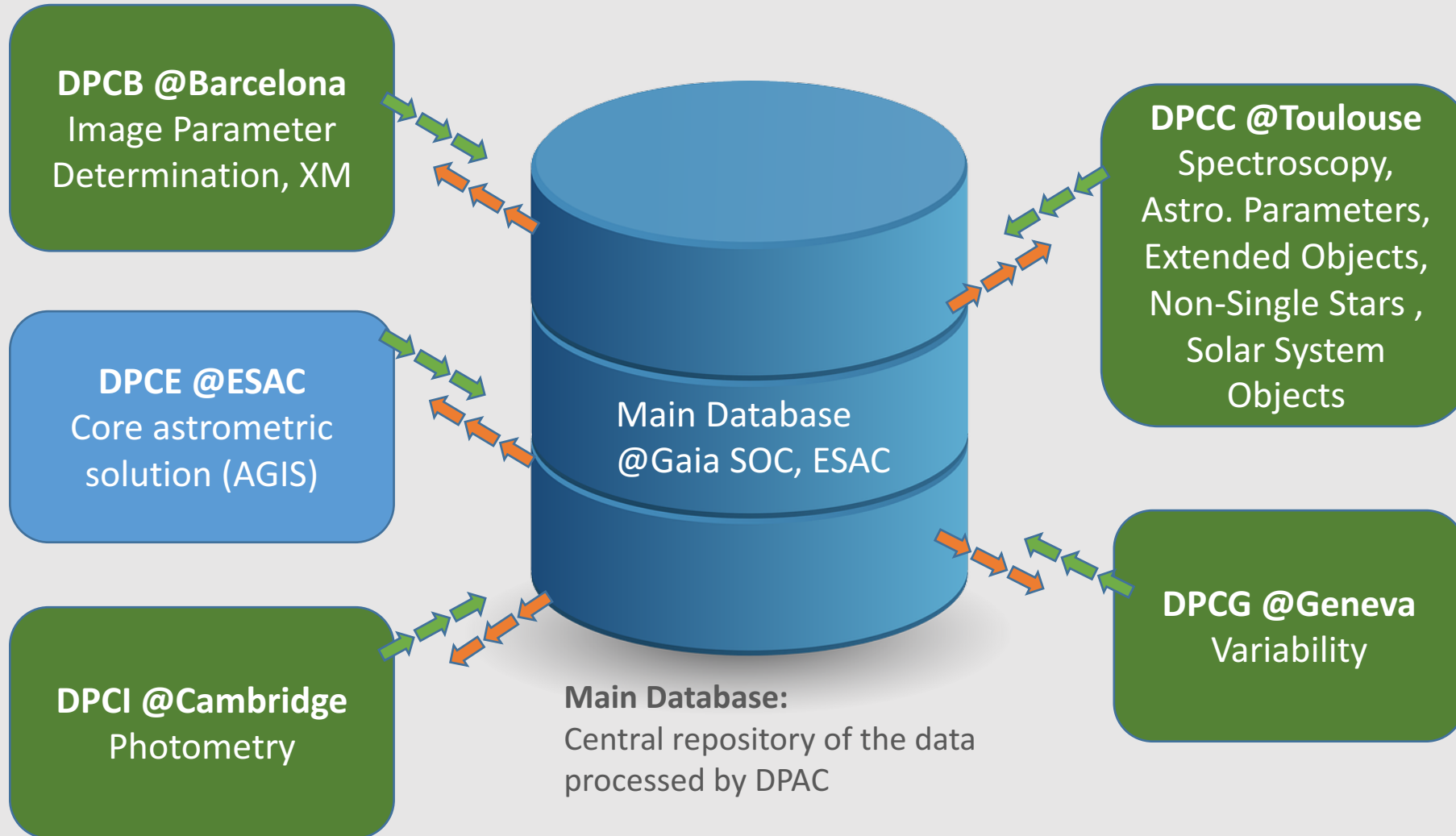


Gaia SOC
Daily Operations
Calibration Team

DPAC
Payload Experts
FL Scientists



Every cycle the billion piece-puzzle is assembled

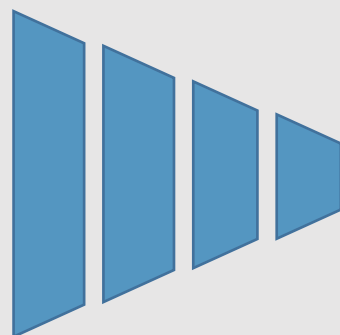
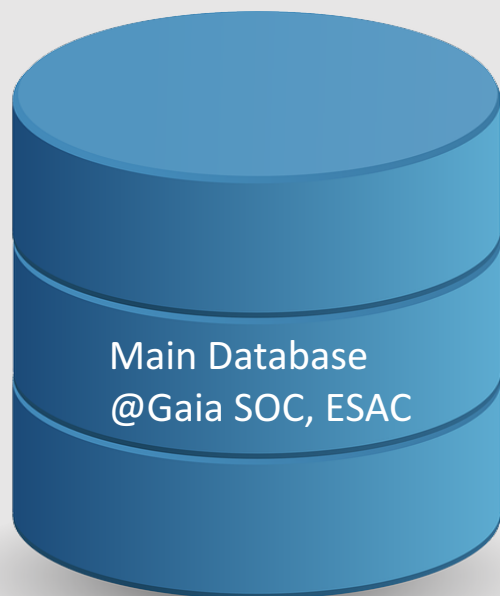


DPAC Consortium Meeting

DPAC Project Office

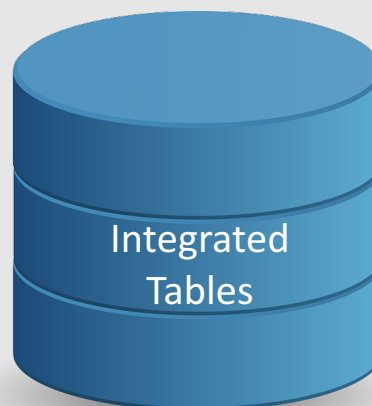


The Main Database is integrated and consolidated



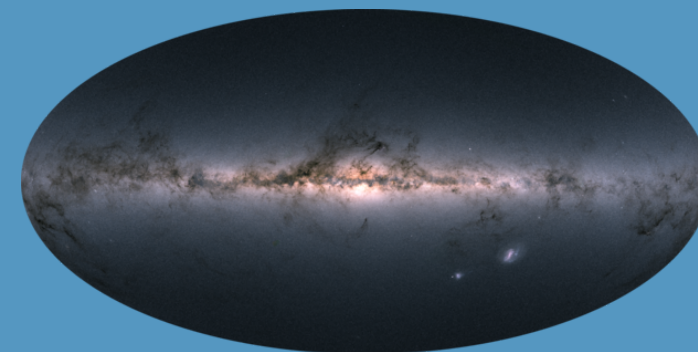
Main Database Integration

Combine data related to sources observed by Gaia from different input tables and resolves conflicts between them

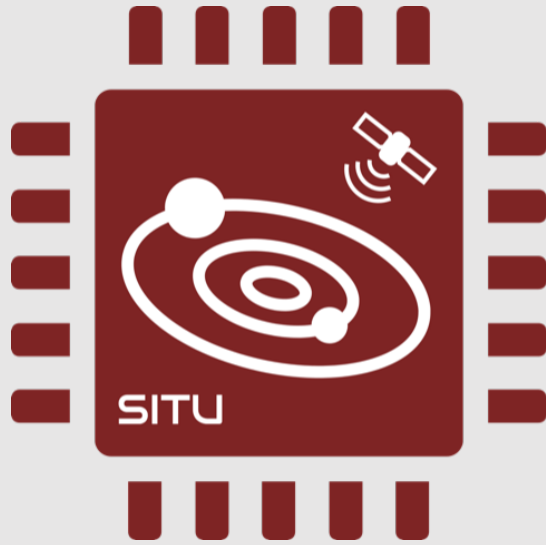


Delivered To

CU9 – ESDC Archive and Catalogue Access



- Architecture
- Validation
- Outreach
- Visualisation
- Operations
- Release Documentation



- The Science Operations IT Unit (SITU) is responsible for the infrastructure used by the Gaia SOC



Spanish institutes involved in the production of eDR3



Barcelona Supercomputing Center (BSC)

Centro de Astrobiología (CSIC-INTA)

Instituto de Astrofísica de Canarias

Institut de Ciències del Cosmos – Universitat de Barcelona

Universidad de Cantabria

Universidad de A Coruña

Universidad Nacional de Educación a Distancia (UNED)

Universidad Pablo de Olavida de Sevilla

Universidade de Vigo

Thank you for your attention. Enjoy eDR3!



Gaia EDR3, 3rd December 2020