

Fifteen years of WISE technology & software development and operations

Gijs Verdoes Kleijn

OmegaCEN

Kapteyn Astronomical Institute

Data Science & Systems Complexity

University of Groningen

NOVA

The Netherlands

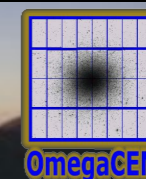


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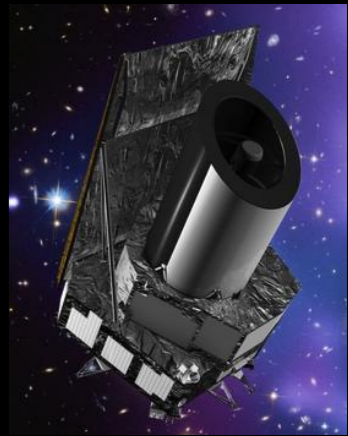
KiDS



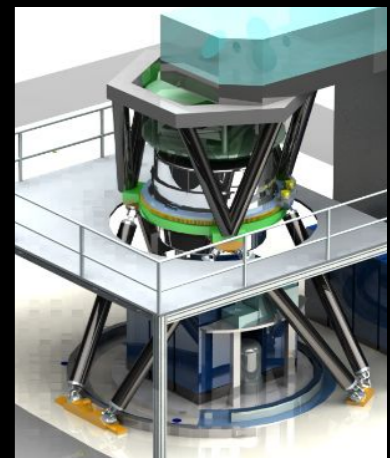
Astro-WISE – Data federations

Distributed Information System - handling surveys since 2003 - it works

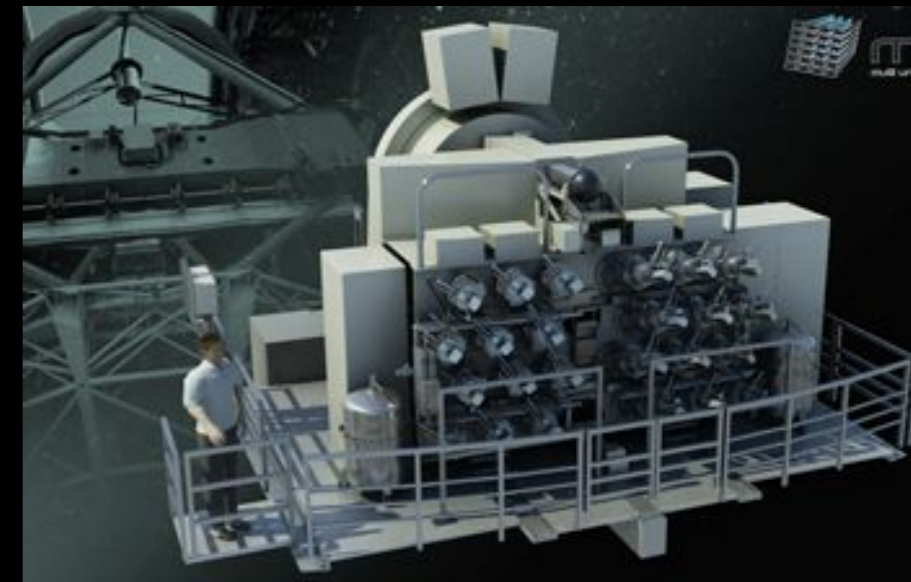
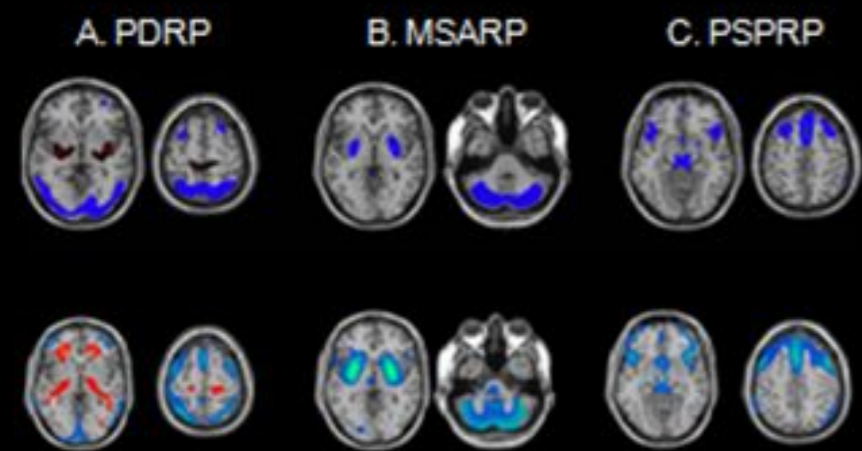
OmegaCEN@Kapteyn datacenter ~15 fte

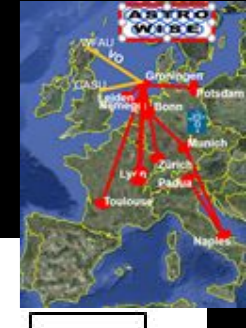


KiDS DR1, 2, 3 - ESO – OmegaCAM@VST
MUSE - ESO - VLT
Lofar - LTA - Astron
Glimps- AI Handwritten text – Lifelines DNA
Target Holding

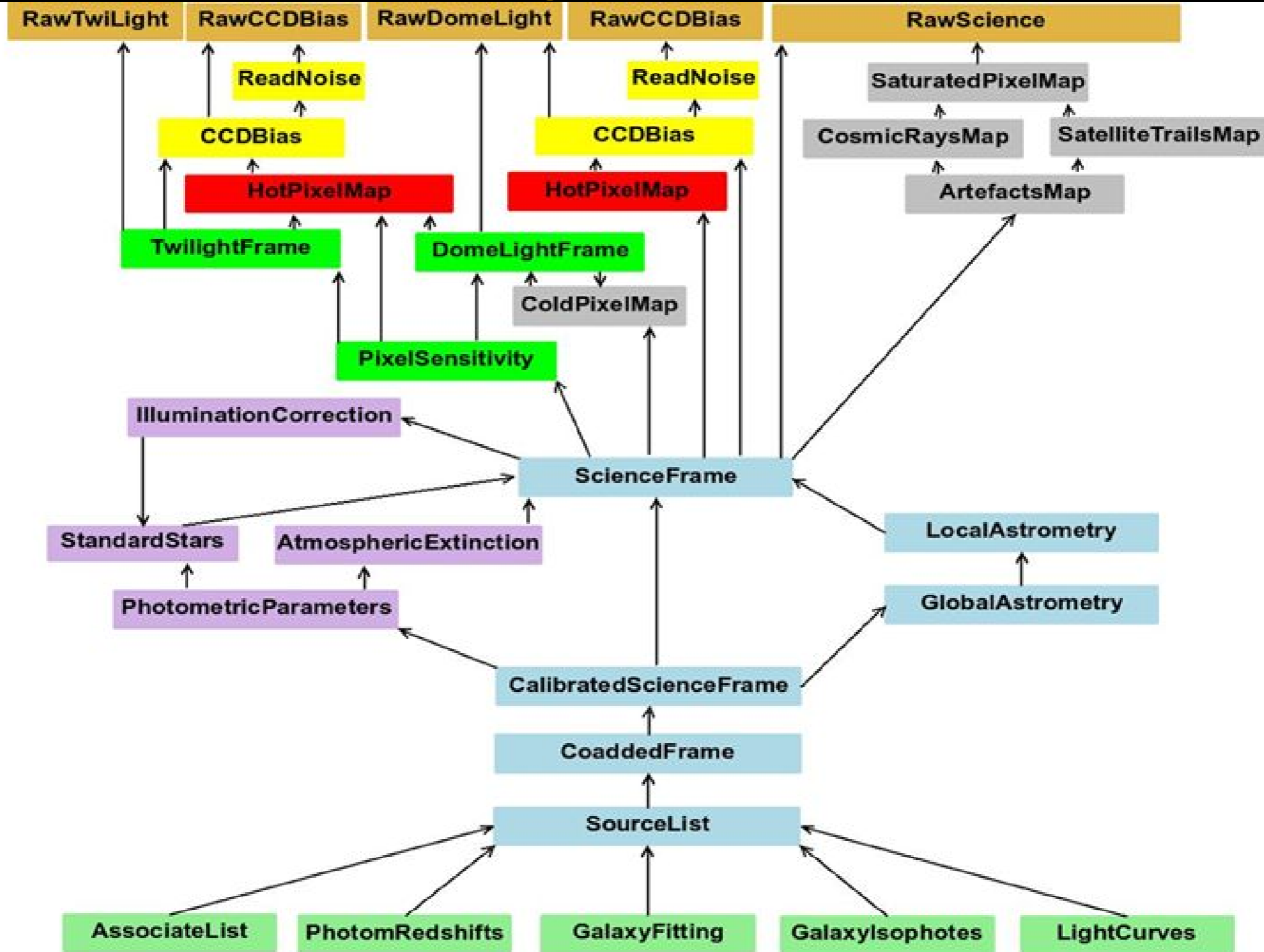


-> Euclid - ESA
-> Micado - ESO-ELT





WISE: extreme data-lineage; all I/O via DataBase



See talk Edwin Valentijn, EWASS - AstroInformatic, Friday June 30

The future

(Big) Data Science and Education

- University of Groningen astronomy student admissions tripled since 2010:
- Strategy: grow a new generation of data scientists

Punchlines

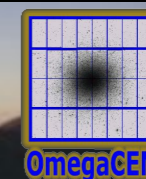


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Computing and Software for Big Science

Springer

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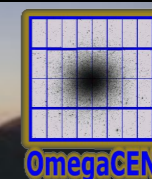


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WISE publications

- [Astro-WISE publication list](#)
- [Topical Issue on Astro-WISE, Experimental Astronomy, 2013, Vol. 35](#)
- [Talk Edwin Valentijn, EWASS - AstroInformatics, Friday June 30](#)