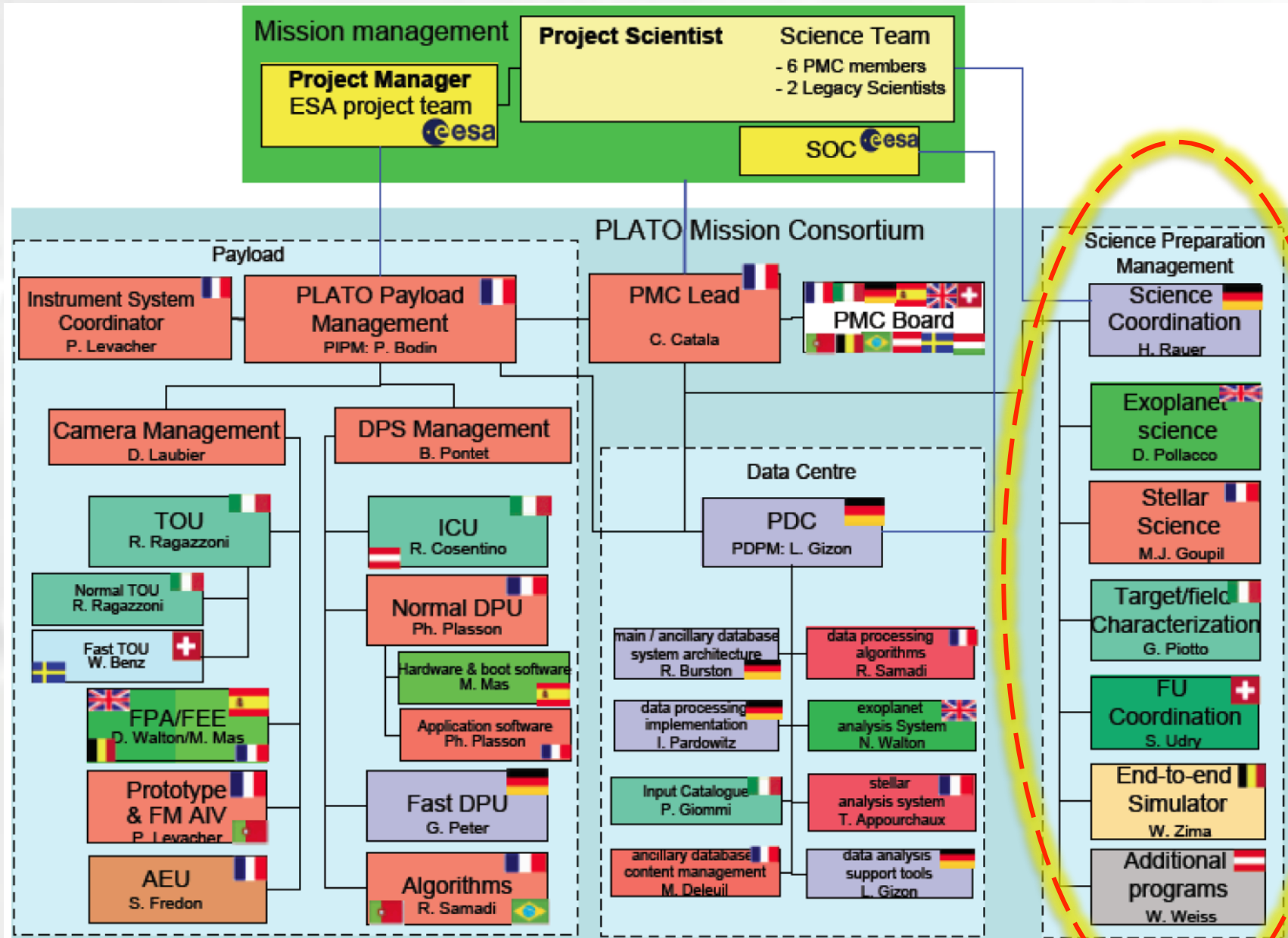


Additional Science

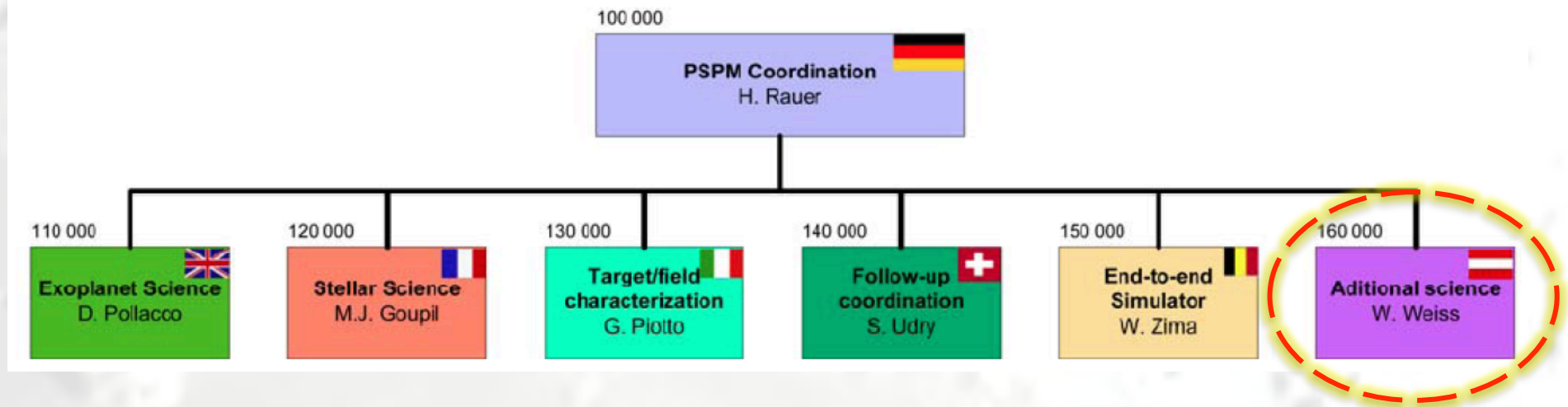


Module of the
PLATO Science Preparation
Management

Werner W. Weiss, Univ. Vienna



PLATO Science Preparation Management (PSPM)



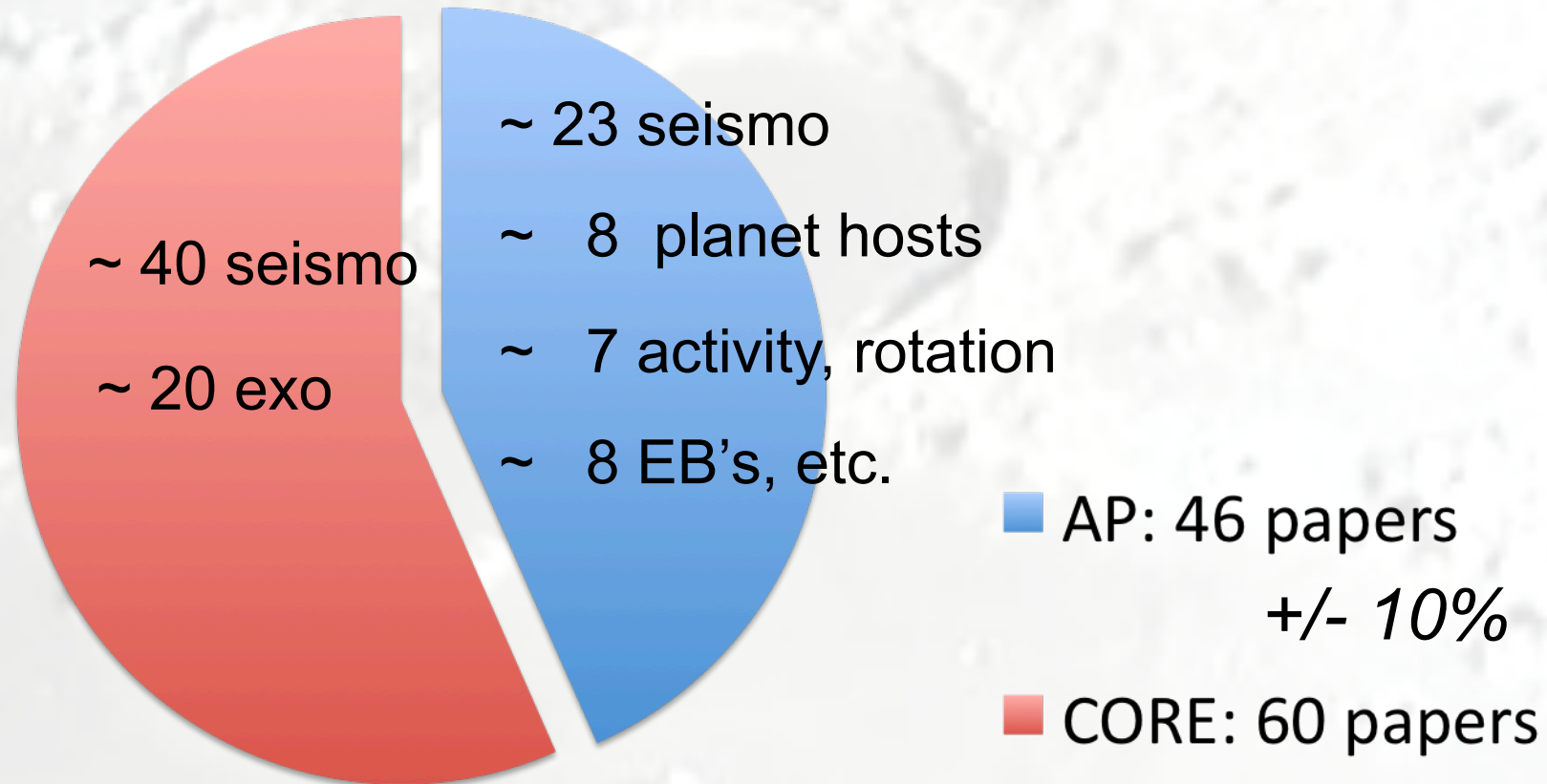
Rôle of Additional Science: e.g. CoRoT

As of May, 2010, after ≈ 3 yrs of science operation
CORE + Additional Program (-Science):

- **ADS: 896 entries**
articles, proceedings, abstracts, thesis',
observing programs, etc.
- **CoRoT Pub: 198 entries**
articles, proceedings, abstracts, general

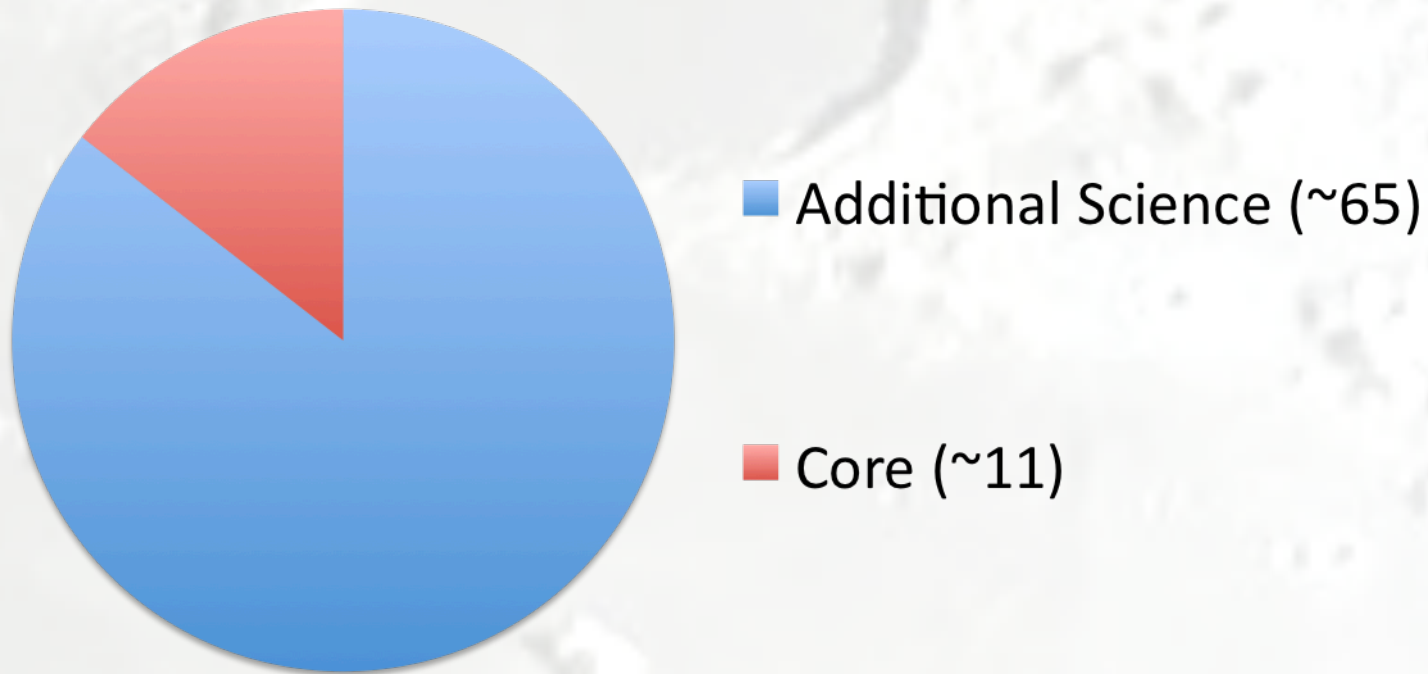
Problem of assignment

... a try based on CoRoTpub ...



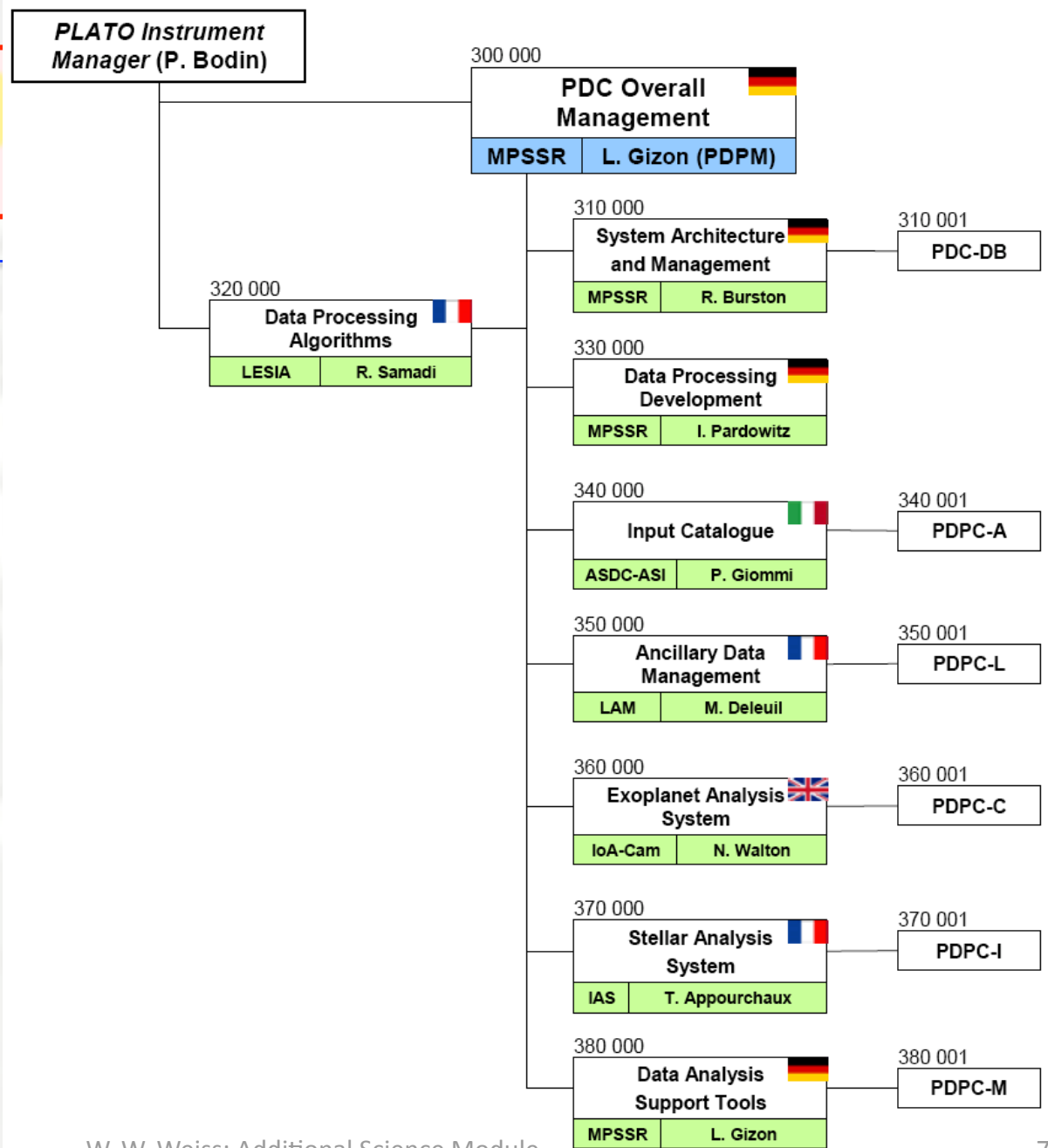
... and KEPLER homepage

Publications (in about 1st year)



Ad

Data preparation
WP 161 000



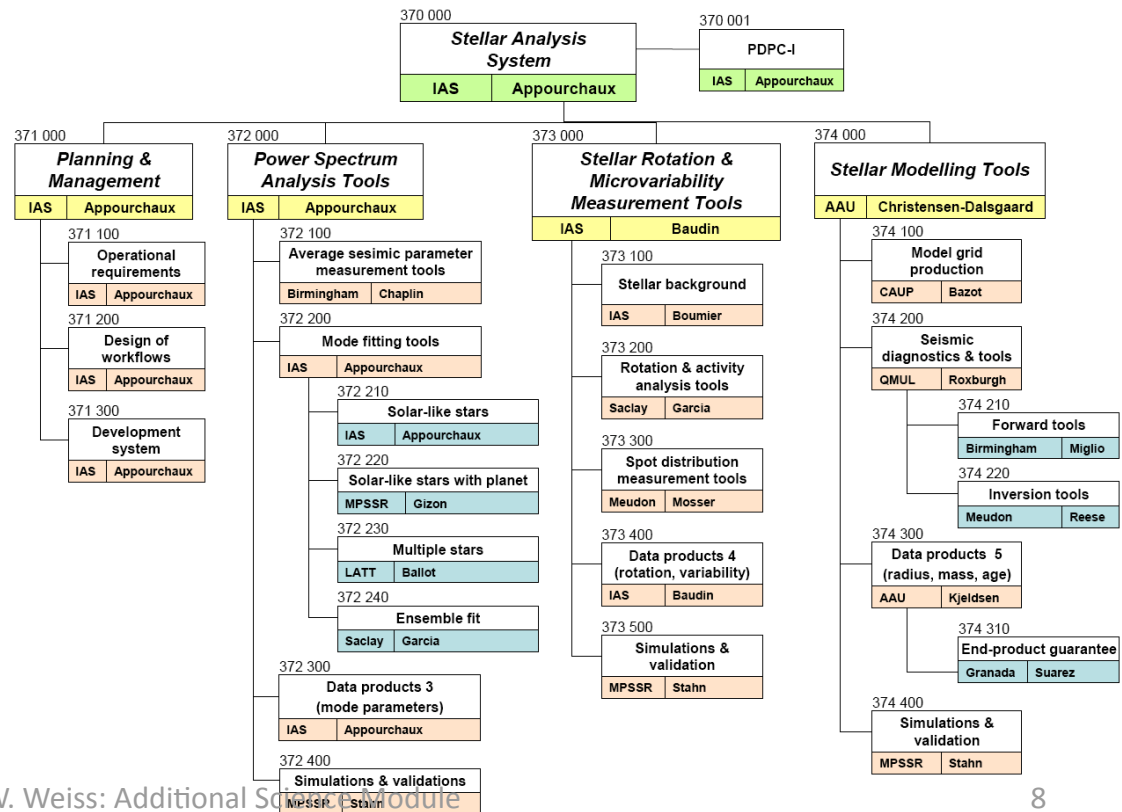
Additional Science

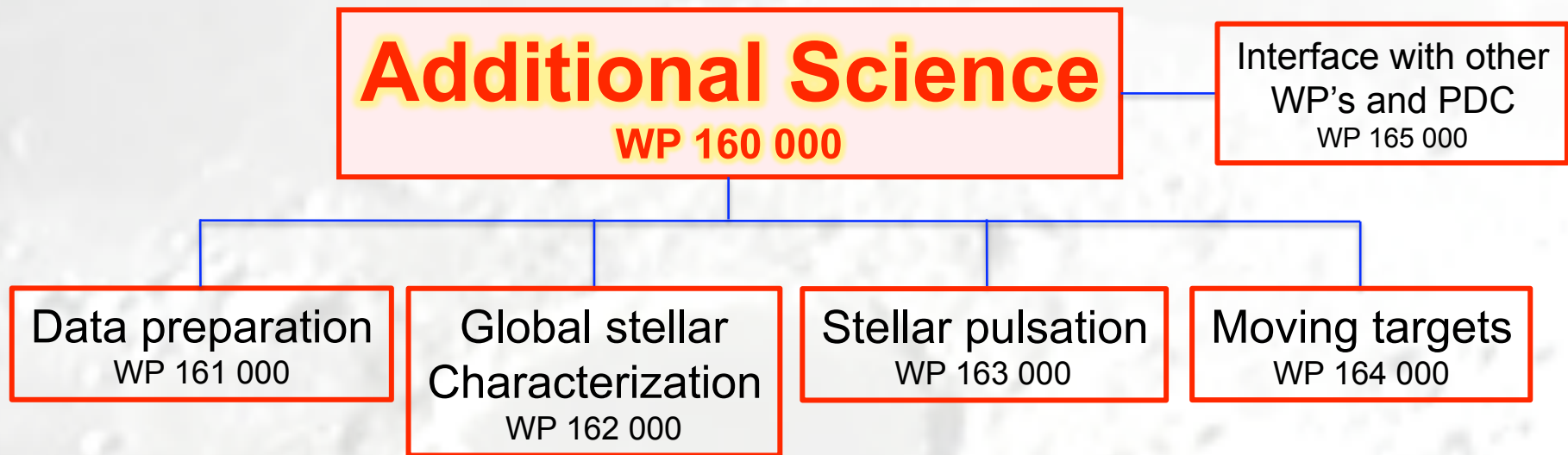
WP 160 000

Data preparation
WP 161 000

Global stellar
Characterization
WP 162 000

Stellar pulsation
WP 163 000

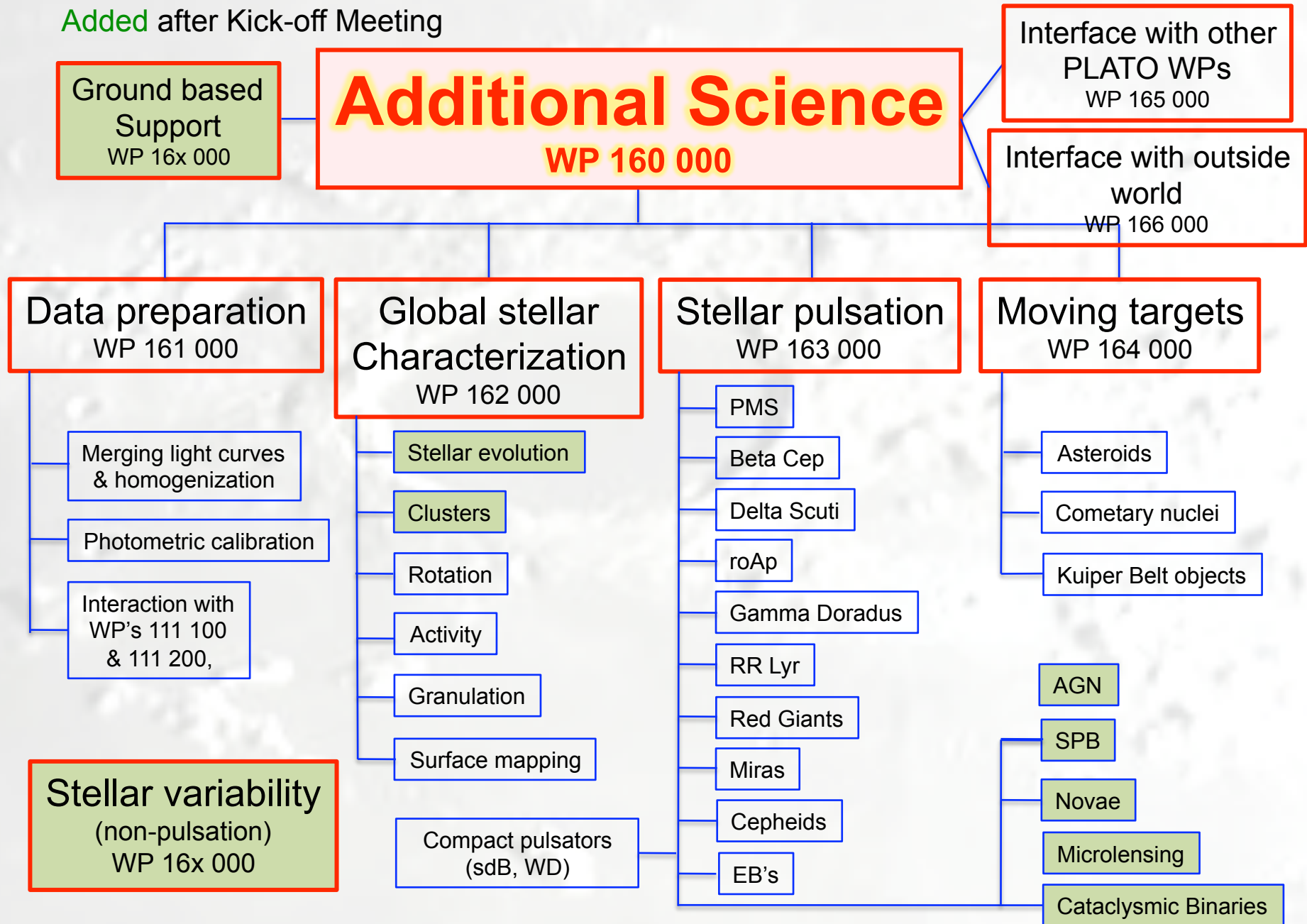




Link between PLATO consortium and
“outside” community

Addresses (all) non-core science

Added after Kick-off Meeting



Additional Science

- Link between PLATO consortium and “outside” community
- No (very limited) funding by ESA
- Addresses (all) non-prime science

Development Plan:

The prime science goals of PLATO are:

- 1) Detection and characterization of Earth Analog systems.
- 2) Search for exoplanets
- 3) Search for exoplanets
- 4) Search for and characterization of exoplanets
- 5) **Full characterization of very bright stars, of all masses and ages, using seismic analysis. (later in Document: ...of planet hosting stars)**

- **Who (inside/outside of PLATO Consortium) gets access to data and when?**
(details see Sec. 5.3 (Data Rights) of “PLATO Science Management Plan”), basically L1 data (basic science ready PLATO data) will become public days to few months after validation by the SOC

Your participation will be most appreciated

Next steps:

- Survey for missing modules
- Identification of collaborators
- PLATO Science Meeting (Q1 2011, in Berlin)
with Additional Science subsession:
 - Establishment of thematic sub-teams
 - Determination of sub-team coordinators
 - Definition of workpackages

Contact: werner.weiss@univie.ac.at