OverSampling Mode
Follow-up
CEST Organisation

Oversampling: reminder

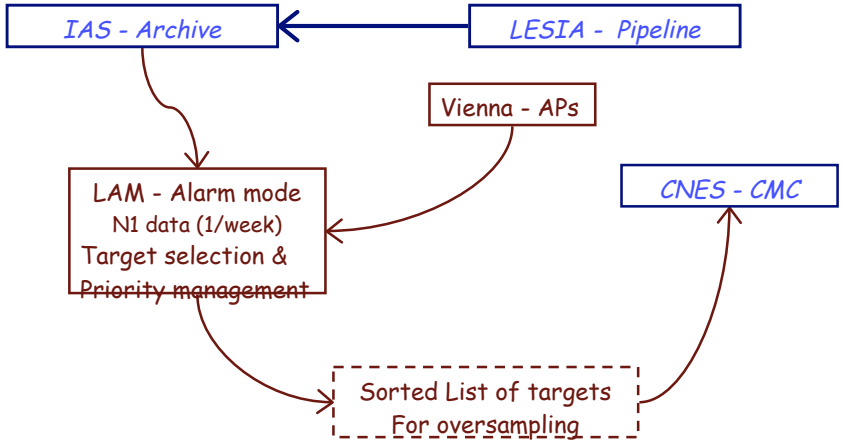
In the Exo-field:

- Sampling rate can be changed from 1/512s to 1/32s
- Only for a limited number of windows in the FOV
- Oversampling can be changed during the operation if transits are detected in the raw data

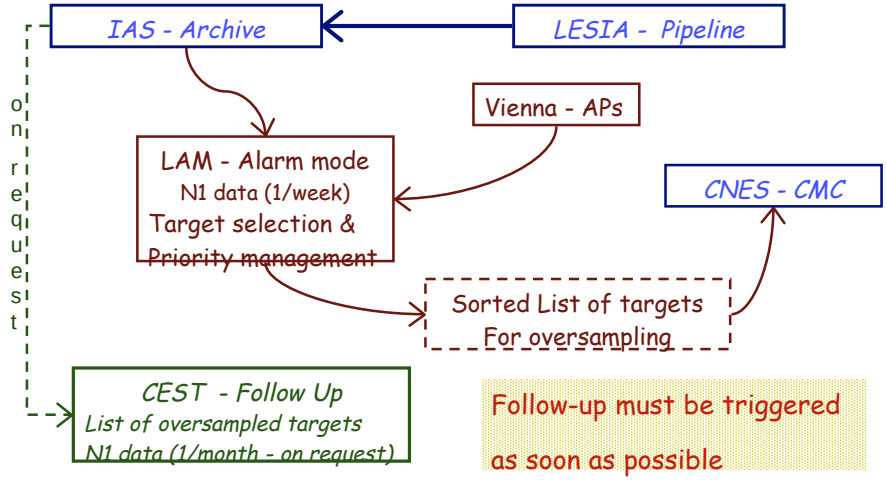
For each CCD:

- Only 500 windows can be oversampled
- Oversampled windows are chromatic ones
- 50 windows are reserved for the APs
- The Exoplanet core program has the highest priority

Exo-warning: the operational loop



Exo-warning and follow-up



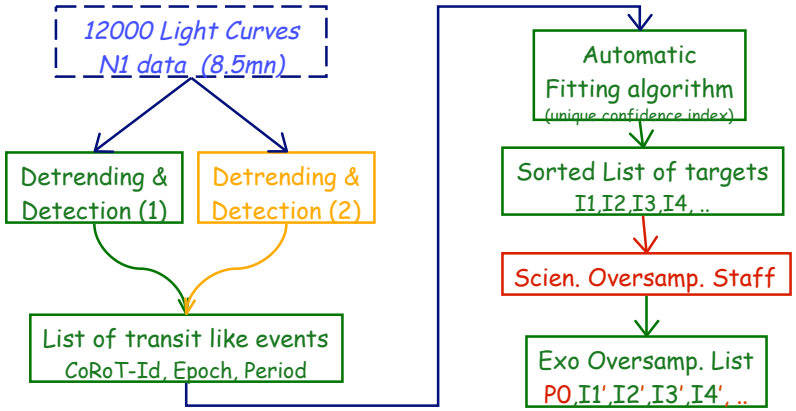
… consequences on the data right policy

Access of the Co-Is to the preliminary N1 data put into question the present data right policy

- The CoRoT label for scientific works and publications is in principle delivered to the Co-Is after the end of a run
- The access to the preliminary N1 data should be understood:
  - As a possibility offered to the Co-Is to start follow-up asap
  - Not as a way to do scientific work early !

→ Additional rules seem necessary

Exowarning: sorting of transit candidates



Frequency of the operation: once a week

Initial oversampling list

- Exo-target initial list
  - 450 windows/CCD
  1. Stars known to host a planet from the grd based obs.
  2. Best targets in term of transit « signal » detectivity sorted as a function of detection power (use of an automated procedure to select brigth and small stars among the targets of the exo-basket)
- Aps-target initial list
  - 50 windows/CCD
  - The list will be provided in appropriate format by Werner's team

Proposed list management

Exo-windows:

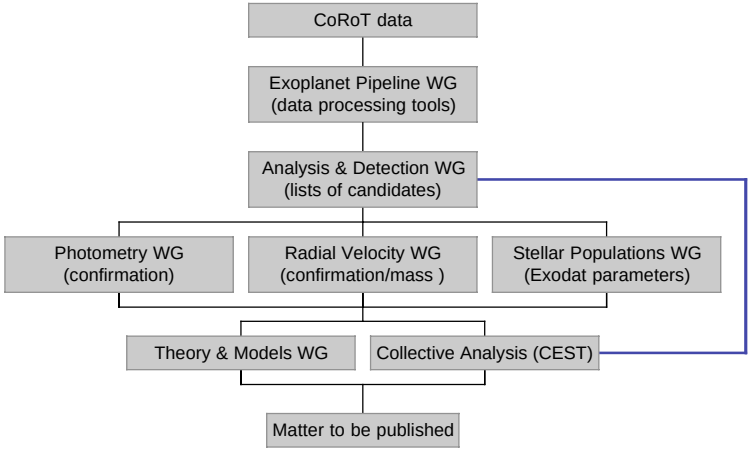
(1) Secure planet candidates (period is confirmed)

(2) Best targets sorted as a function of transit detectivity

(3) Less secure detections (progressively replace targets at the bottom of the initial list)

Aps windows:

List renewed under Ap responsibility


CoRoT data
Exoplanet Pipeline WG
(data processing tools)
Analysis & Detection WG
(lists of candidates)
Photometry WG
(confirmation)
Radial Velocity WG
(confirmation/mass)
Stellar Populations WG
(Exodat parameters)
Theory & Models WG
Collective Analysis (CEST)
Matter to be published