Coarse characterization of sources

GWP-S-650-06000

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Up dated Goals

- Give general information RVS sources
- Magnitudes (comparison with photometry)
- Lists of lines (absorption/emission)
- Nature of objects
- Spectral Classification

Tasks 1/2

- **Define methods and soft architecture**
- **Define inputs**
- **Results**
  - Identification of lines (class.)
  - Signal to noise ratios (F.P.)
  - Slopes of spectra (class.)
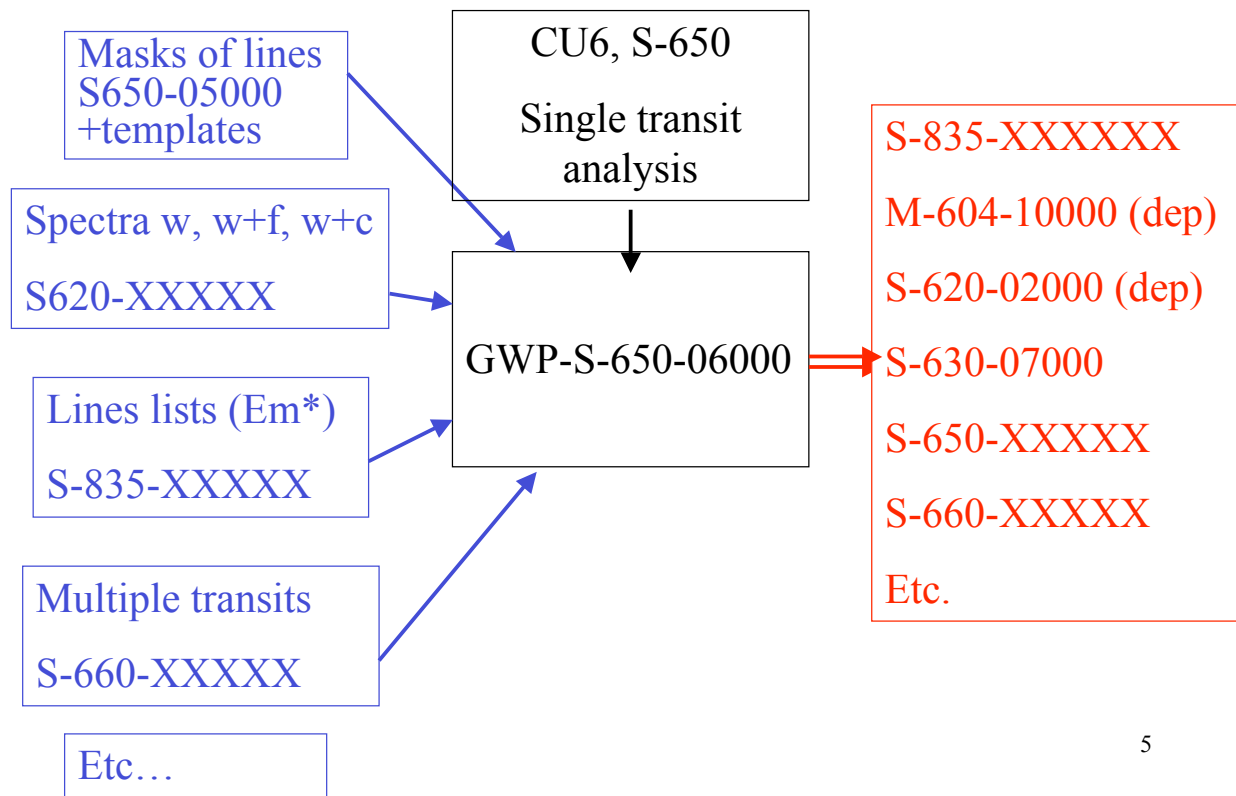 - RVS magnitudes (class.)
  - Classification of objects

Tasks 2/2

- **Comparisons**
  - Lists of lines (CU8)
  - Magnitudes (GAIA-phot., Ground-b. vs RVS)
- **Tests**
  - Classification: theoretical and obs. spectra faint/bright stars, cold/hot stars, Em*, asteroids, galaxies, etc.
  - Robustness of algo.
  - Define the degree of accuracy.

Inputs/outputs

Masks of lines
S650-05000
+templates

Spectra w, w+f, w+c

S620-XXXXX

Lines lists (Em*)

S-835-XXXXX

Multiple transits

S-660-XXXXX

Etc…

CU6, S-650

Single transit
analysis

GWP-S-650-06000

S-835-XXXXXX

M-604-10000 (dep)

S-620-02000 (dep)

S-630-07000

S-650-XXXXX

S-660-XXXXX

Etc.

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**Planning for Cycle 2
10/2006-05/2007
2nd serie**

- Contacts managers of Inputs, specification of requirements.
- Obtaining synthetic and observed spectra. (P. Sartoretti + proposals + coordination with C. Soubiran + stellar databases/catalogues).
- Define methods.
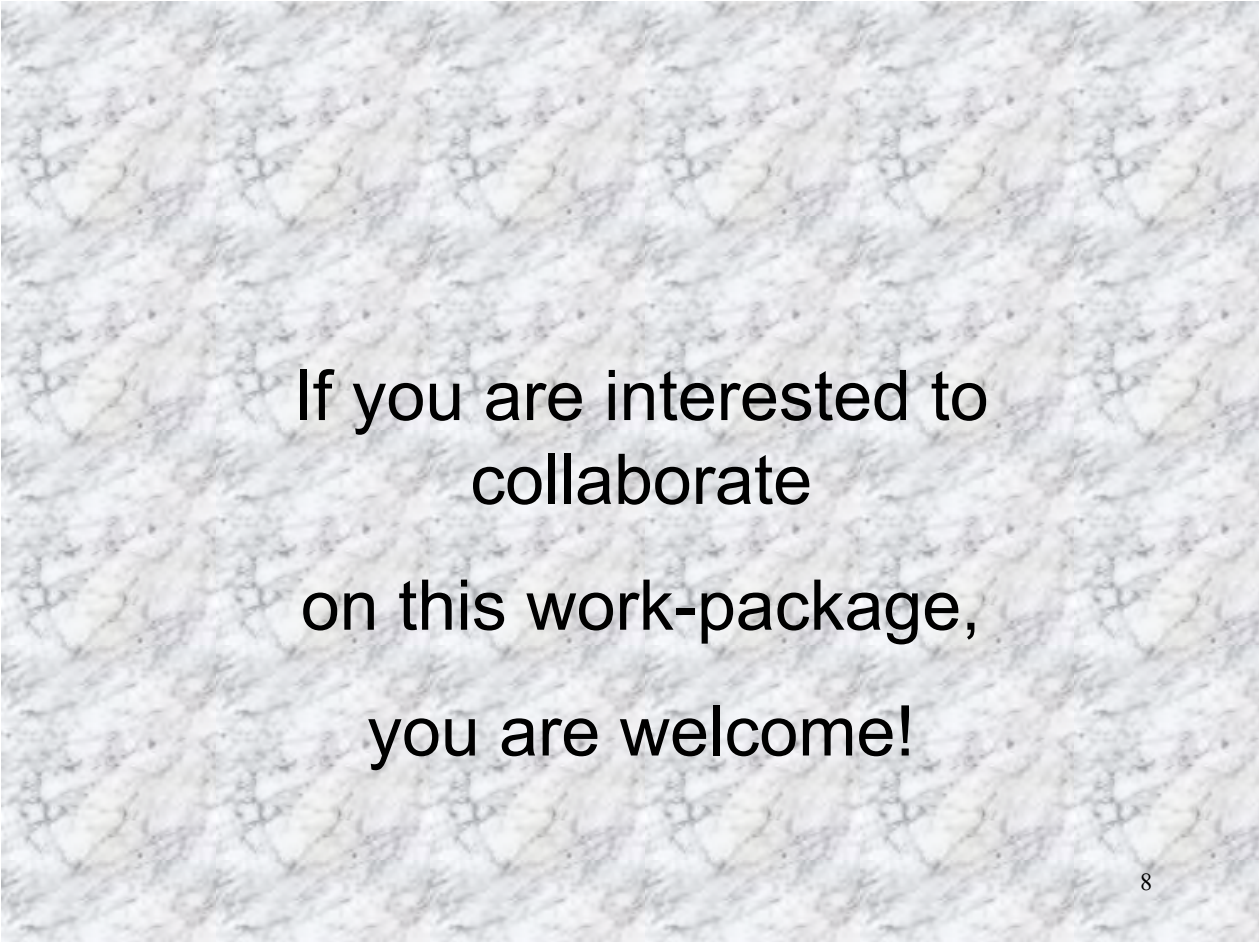- Learning JAVA+GAIA tools (11/2006).

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Planning for Cycle 3
05/2007-11/2007

- Define + write algorithms.
- Observations.
- Tests with spectra.
- Improvement of methods/algo.

If you are interested to collaborate

on this work-package,

you are welcome!