

Questionnaire # 1

The main goal of this exercise is to identify some (important) open/unanswered questions about the Galaxy.

- Read first Sections 2 and 3.1 of the ESO/ESA Report on the Galaxy. These sections describe the State-of-the-Art of our knowledge on the properties of the Milky Way.
- List at least 5 open questions that you think are interesting and relevant (to you)
- Think up how these questions could be answered. Discuss what kinds of tools/techniques would be needed to determine the answers to these questions.
 - For example, one possible question would be: did the stellar halo form before the bulge?
 - To establish this, one may want to have access to the ages of the stars in these components. This may require obtaining colour-magnitude diagrams for large samples of stars (possibly in certain wavebands, e.g. because of obscuration). But there may be also other ways...
 - Just let your imagination fly!