

User Software :: Reorganization of the software collection

References

- [Future of the LUS](#) (Discussion on the forum)

Summary of current status

Surveys:

- Software changes are checked into the LUS repository, but they are not using the LUS build system to create running programs, as they are having difficulties with building part of the software in LUS.
- There is little CMake experience in their group.

Transients:

- They are not using the LUS repository or the build system. They are doing all their development and building/testing on local systems. Their local developments will be merged back in at some point
- There is ample CMake experience in the group.

Pulsar:

- They use the LUS repository for code maintenance/changes. They use the build system to set up new systems completely from scratch (apart from pgplot), which works even for the GRID . This is a feature they do not want to lose, as all software needed for pulsar data processing and analysis is now in one location and it is all working together.
- To build it all takes a long time (especially first time), and improvements can be made; certain dependencies do not have to be built all the time.
- They do not have much CMake experience.

CR tools:

- All software is developed in and committed to the LUS repository.
- They use the LUS build system. Installing the entire package is sometimes problematic on new systems (not all dependencies are detected properly).
- Also during development/testing they use the build system of LUS
- Pim and Martin are up to speed in CMake

RM Synthesis:

- Small package, but development and build has been taken out of LUS; Build time too large which didn't work for them! They intend to keep the code separated.
- Their group is Munich based, and so is quite isolated from LOFAR development → difficult to find the right people to help them out with problems.
- Uncertain of their CMake knowledge capabilities.

List of tasks

1. Get usage profile for CR-Tools
2. Get usage profile for pyCRTtools
3. Get usage profile for RM tools
4. Get usage profile for Pulsar tools
5. Get usage profile for Anaamika

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