

CoMOLA Quickguide for usage and post-analysis

Once CoMOLA is successfully installed (see [Installationguides](#)) there are a few requirements for first optimization run as described in the Readme-File of the CoMOLA-Repository.

In order to optimize for a custombuilt map – especially the PatchIDmap - one needs to make sure, that several criteria are met (also see [landusefrompatchmap.R](#) for inspiration) :

1. The Patchmap has to have the same dimensions and metadata as the landusagemap.
2. The patches are covering the usage-indices in the landusage map precisely (see [landusefrompatchmap.R](#) for inspiration).
3. Static landusage-indices need to be no-value in the PatchIDmap
4. Patches need to be numbered consecutively.

Several settings for the optimization-process can be altered within the config.ini file.

Once the optimization has finished, you can use the post-analysis-Skript in R (`Overall_pareto-frontier_n_runs`) to Plot both, the computed pareto-front and also the computed landusage-maps.