## Greenfox – cookbook

This document is under construction. It is intended to provide tips how to address particular tasks of validation.

### Validation of pipeline output

#### Goal

Assume a program implementing a pipeline of transformations, so that each for each input resource an ordered sequence of output resources (“stages”) is produced. After changes of the software, it shall be checked if input resources are still mapped to the same output resources. Dependent on circumstances, the expectation may be that all stages are as they were before the changes, or only a particular subset of the stages.

#### Preparation – testframe

Build a testframe which processes a set of input resources and writes the output resources for each input resource into a different output folder, using file names which do not depend on the run. Executing the testframe twice, for different versions of the pipeline software, two folder trees are obtained which can be compared: resources at the same location within the folder tree should be equal (unless belonging to a stage where difference is tolerated).

#### Schema

(To be continued.)