



processing time (per unit):

short 12 m (30 GHz), 13 m (44 GHz), 17 m (70 GHz)

long 389 m (30 GHz), 623 m (44 GHz), 834 m (70 GHz)

memory usage: 2 GB

disk usage: 1.3 TB

**Target users**

At a first instance the end users interested to run the Planck simulations are the members of the Planck collaboration itself. All cosmologists however are interested to run these simulations.

**Usage scenario for workflow in the ER-FLOW** (*how workflow will be reused, meta-workflow, how expected to contribute to project indicators, etc.*).

A simulation starts from a set of values for cosmological parameters. The simulation builds an ideal sky, contaminates it and extracts new maps; a new set of parameters is obtained starting from them.

As shown above, different software components contribute to build the whole pipeline run; this typical modular structure fosters the reuse of single simulation modules to build new applications and workflows.

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