ParadisEO is a software framework for metaheuristics (optimisation algorithms aimed at solving difficult optimisation problems). It facilitates the use, development and comparison of classic, multi-objective, parallel or hybrid metaheuristics.

ParadisEO offers implementations of numerous classic metaheuristics from literature as well as innovative new metaheuristics. This software can also be used for parallelisation of metaheuristics.

ParadisEO is used to solve large-scale optimisation problems in a wide variety of fields, such as transport, logistics, telecommunication systems and bioinformatics.

Available for Windows, Unix and Mac OS X, Language C++, CMake

Keywords: Metaheuristics, parallelisation.

Freeware available under CeCILL licence

Academic partners:

EO : Population-based metaheuristics
MO : Single solution-based metaheuristics
MOEO : Metaheuristics for multiobjective optimisation
PEO : Hybrid, parallel and distributed metaheuristics