

# 10th International Conference "Distributed Computing and Grid Technologies in Science and Education" (GRID'2023)



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## Simulation of voluntary distributed computing projects using the ComBoS simulator

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Simulation of a public desktop grid system or a project of voluntary distributed computing on a ComBoS software is considered. The features and limitations of a desktop grid system are determined using the example of a desktop grid on the BOINC platform. Scenarios with asynchronous calculation of several computing applications in one desktop grid are considered. The features of the modeling implementation on the ComBoS simulator are discussed. The results of various desktop grid modeling scenarios are presented.

### Summary

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