

The German Non-Profit Society
RECHENKRAFT.NET E.V. (RKN)

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Abstract

The German non-profit society RECHENKRAFT.NET E.V. (RKN) is dedicated to spreading the word about using distributed computing to foster scientific research of any field. Thus, RKN helps in bringing together scientists with computational demanding tasks and those people, who offer computers for running these computations as ordinary people with private computers connected to the BOINC infrastructure.

In this talk we describe the development of the society from a usual distributed computing team back in 2001 to its founding in 2004. Major milestones throughout the years until today are named. The message board is presented as the main communication platform of the society and community and the website as a well-maintained knowledgebase for distributed computing.

Finally, we introduce both of the society's own distributed computing projects. First, YOYO@HOME as a wrapping platform is bringing non-BOINC distributed computing projects onto the BOINC platform. Second, RNA WORLD is building a fully automated pipeline for RNA research and has got great future in both basic biological research and medical application.