



The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004
The First 6 years
The Last Year

Current Activities

The Forum
The Wiki

Own Projects

Supported Projects
Yoyo@Home
RNA World

Closing

The German Non-Profit Society

RECHENKRAFT.NET E.V.

History — Achievements — Projects — Future Plans

by Torbjörn Klatt, Second Chairman
Hannover, 2011-08-17





An Idea Has Been Born

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

April 2001 Michael " *Bananeweizen*" Keppler as initial founder of the team RKN started building up the early versions of the project database

June 2001 RECHENKRAFT.NET message board was set up
next 3 years various discussions and team challenges
mainly crunching for FOLDING@HOME and SETI@HOME, but new projects got attention as well

full time line can be found in our Wiki under Association



A Start Has Been Made

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

Aug. 2004 first foundation meeting

May 2005 the WIKI was set up

June 2005 RECHENKRAFT.NET E.V. got registered at
district court of Marburg

July 2005 RKN E.V. became officially non-profit

July 2007 first RKN SEAL OF APPROVAL awarded to
WCG

Sep. 2007 official partner of WCG

foundation, registration and application for being non-profit done by Michael H.W. Weber



Acquiring Donations

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

March 2008 German courts can assign penalties to be paid to RKN E.V.

`www.suchkraft.de` as a Google-powered search engine is online

(Google's advertising revenue is donated to RKN E.V.)

Nov. 2008 petition addressed to German parliament to enable DC on non-security related public computers

Apr. 2009 initiation of RKN SEISMIC ARRAY

(supporting QCN)

June 2009 Uwe "yoyo" Beckert got interviewed by German public TV station ZDF about YOYO@HOME



Combining Efforts

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

June 2010 RKN E.V. presents its own project RNA WORLD on the RNA 2010 conference in Seattle/USA

Sep. 2010 Frank "'*frank*'" Strohdiek got interviewed by German TV station HR about CPDN further presentations about RNA WORLD at the MIT (Cambridge/USA) and Dresden/Germany

Feb. 2011 RKN E.V. became an official member of the IDGF

Registered Members: 71 (as of 2011-08-01)

Annual Budget: approx. €2,900



An Open and Pleasant Community

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

- lively message board with almost 2,000 members
- discussions about every project
- often better and faster project specific support by other volunteers than in the project's message boards
- mainly German but English subboard available

<http://forum.rechenkraft.net/>



A Steadily Growing Knowledgebase

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

- **WikiMedia based** (everybody can contribute)
- **detailed description of (almost) every DC project**
- **multi-language**
(most pages are already translated into English and Brazilian Portuguese)
- **extensive electronic library with (scientific) publications by (or related to) DC projects**

<http://www.rechenkraft.net/>



Supporting Rocket Science

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

Constellation@Home

- platform for aerospace simulations
- different applications
- productive since April 2011
- further supporters are DGLR and SELFNET E.V.

<http://www.aerospaceresearch.net/>



Enabling Others

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

the wrapper platform
Yoyo @ home
for natural science

History

Pre 2004

The First 6 years

The Last Year

Current Activities

The Forum

The Wiki

Own Projects

Supported Projects

Yoyo@Home

RNA World

Closing

- started as an experiment on Yoyo's (Uwe Beckert) private laptop in 2006
- wrapping DISTRIBUTED.NET client (OGR project)
- officially launched in summer 2007
- further projects got wrapped:
Muon, ECM, Evolution@home, Euler, Harmonious Trees
- *Euler* subproject finished on 26th July, 2011

<http://www.rechenkraft.net/yoyo/>



Getting a Grip on ncRNAs

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004
The First 6 years
The Last Year

Current Activities

The Forum
The Wiki

Own Projects

Supported Projects
Yoyo@Home
RNA World

Closing



- initialised and run by Michael H.W. Weber, PhD
- scanning the fully sequenced genomes of various organisms to annotate and map ncRNAs
- utilise algorithms provided by the INFERNAL toolkit
- wet-lab experiments by Srinath Thiruneelakantan ¹ for in-silico validation
- open access database for all results in development

<http://www.rnaworld.de/>

¹Indian Institute of Science, Bangalore, India



Thank You

The Society
Rechenkraft.net
e.V. (RKN)

Torbjörn Klatt

History

Pre 2004
The First 6 years
The Last Year

Current Activities

The Forum
The Wiki

Own Projects

Supported Projects
Yoyo@Home
RNA World

Closing

Thank You For Your Attention

Any Questions?

Torbjörn Klatt - torbjoern@torbjoern-klatt.de

<http://www.rechenkraft.net>
<http://www.rechenkraft.net/yoyo/>

<http://forum.rechenkraft.net>
<http://www.rnaworld.de>



This talk is licensed under a Creative Commons Attribution 3.0 Unported License.
<http://creativecommons.org/licenses/by/3.0/>