

E-iRODS

Relevance for
Institutes of the
Max Planck Society





Max Planck Society

The Max Planck Society for the Advancement of Science is an independent, non-profit research organization that primarily promotes and supports research at its own institutes.

The research institutes perform basic research in the interest of the general public in the natural sciences, life sciences, social sciences, and the humanities.

Currently the Max Planck Society maintains 80 institutes, research units, and working groups



Max Planck Society

MaxMany institutes of the Max Planck Society are engaged in international collaborations with data involvements

This includes institutes from all three main areas of research within the MPS:

- Chemistry, Physics & Technology
- Biology and Medicine
- Humanities and Social Sciences



Max Planck Society

International Cooperation Research activities and Projects of the Max Planck Society

Max Planck institutes operate as a worldwide network based on international cooperations and projects. International cooperations promote scientific performance and productivity; they create a scientific added value, and in many research fields make it possible to actually achieve a critical mass.

The Max Planck Society has developed various instruments which are specifically tailored towards the advancement of international collaboration. Such instruments include the establishment of

- **Max Planck Institutes abroad**
- **Max Planck Center / Partner Institutes**
- **Partner Groups**



Hermann Lederer, RZG

SC12, Salt Lake City

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MPS – Chemistry, Physics & Technology

Data from fusion energy research - plasma physics

Experiment data of Asdex Upgrade, MPI for Plasma Physics
Generated at Garching, Germany

Experiment data of W7-X, MPI for Plasma Physics,
to be generated at Greifswald, Germany as of 2014

Experiment data of ITER,
to be generated at Cadarache, France
With involvement of MPI for Plasma Physics

Supercomputing data of IFERC,
Rokkasho, Japan, with involvement of MPI for Plasma Physics



MPS – Chemistry, Physics & Technology



Magic Project – Data from Telescopes

Gamma Ray Astronomy

Involvement of MPI for Physics, Munich



Pan-STARRS -- the Panoramic Survey Telescope & Rapid Response System -- is an innovative design for a wide-field imaging facility developed at the University of Hawaii's Institute for Astronomy.

Involvement of

MPI for Extraterrestrial Physics, Garching

MPI for Astronomy, Heidelberg



ATLAS Project, CERN

Involvement of MPI for Physics, Munich



MPS – Chemistry, Physics & Technology

EUCLID Project of ESA

Cosmic vision 2015-2025

Mapping the geometry of the dark Universe - Telescope data

Involvement of MPI for Extraterrestrial Physics, Garching



GALFORMOD Project

Galformod Portal - Web Services for Galaxy Formation Model

Cosmology simulation data

MPI for Astrophysics, Garching

Max-Planck-Institut
für Astrophysik



LIGO LIGO Project – Gravitational wave detection + simulations



Albert Einstein Institute
Hannover

MPS – Biology and Medicine

Genome data

from several genome sequencing centers
in the MPS, especially from

- MPI for Molecular Genetics, Berlin
- MPI for Biochemistry, Martinsried
- MPI für Plant Breeding Research, Köln

MPS – Humanities and Social Sciences

- Video and audio documents of languages threatened by extinction,
MPI for Psycholinguistics, Nijmegen
- Digitized data and photo archive of „
„Kunsthistorische Institut in Florenz“
- Digitized documents of Biblioteca Hertziana
in Rome
- Human Ethology Film Archive of the MPS
in Andechs

MPS – Climate Research

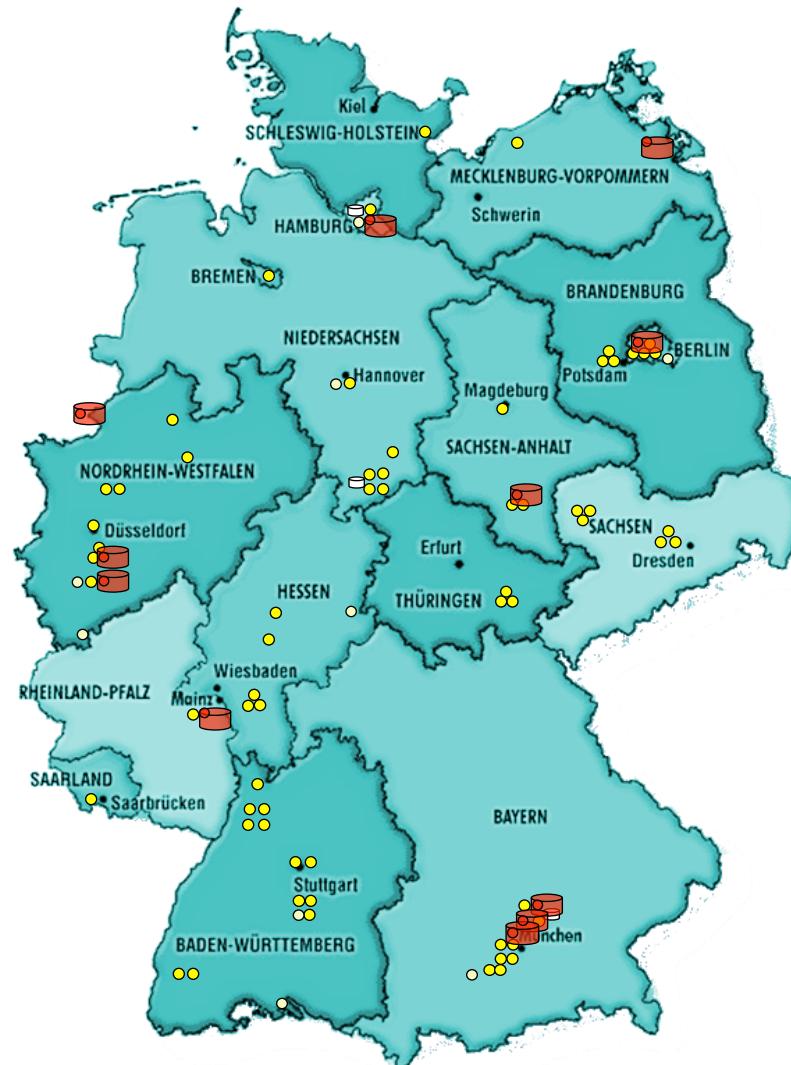
- MPI for Meteorology, Hamburg
- MPI for Chemistry, Mainz
- MPI for Bio-Geo-Chemistry, Jena

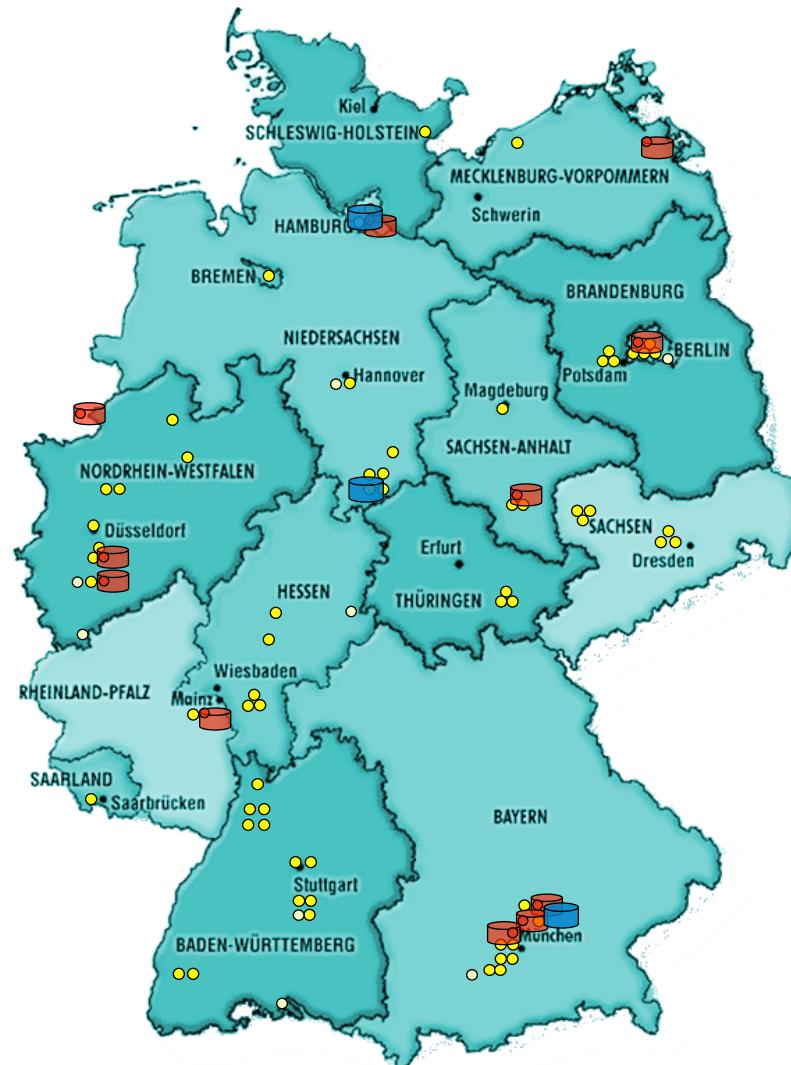
Engaged in several international climate research projects, as

- IS-ENES
- IPCC

Leading Data & Computing Center: DKRZ, Hamburg









MPI for Meteorology
(Hamburg)

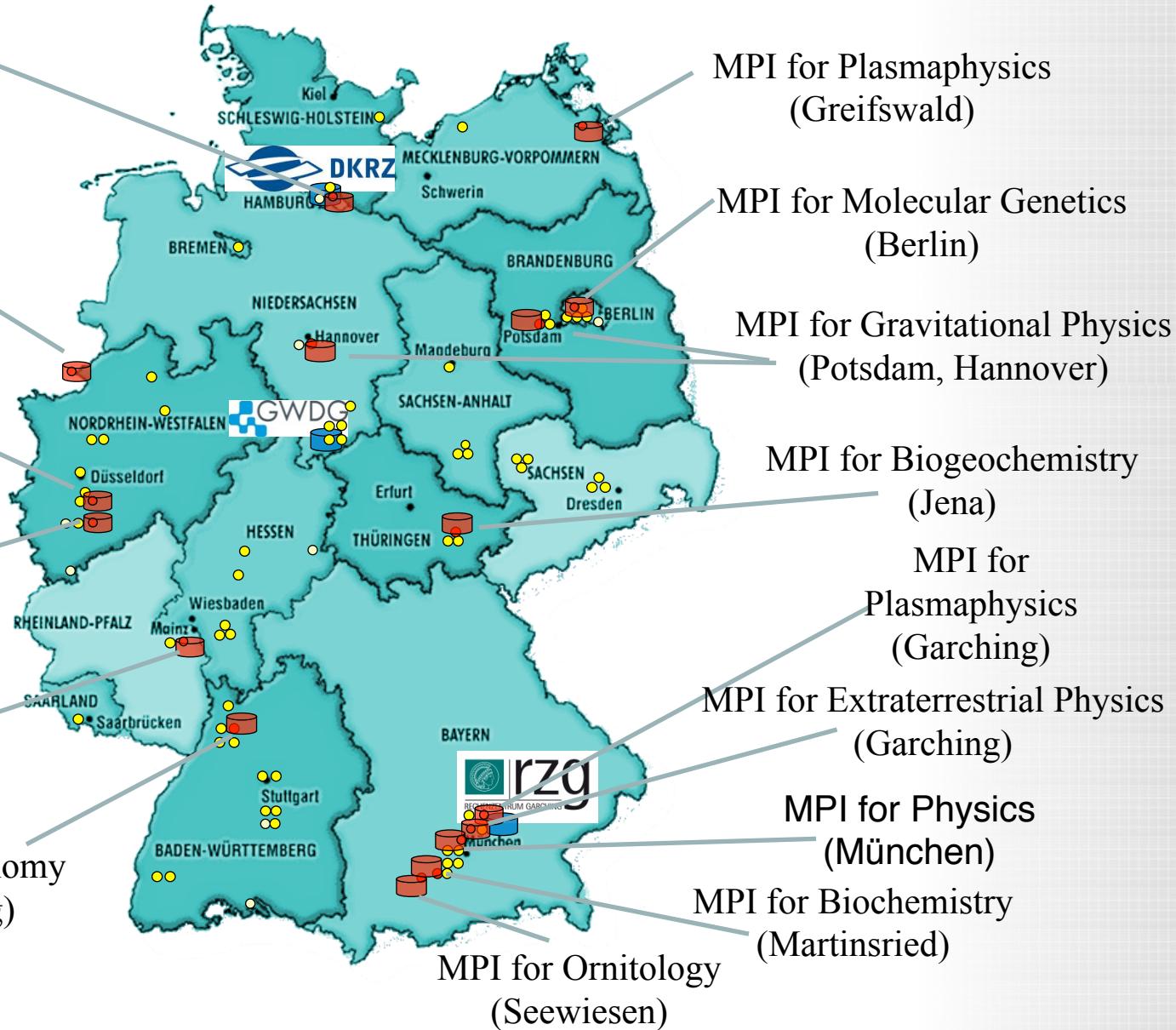
MPI for Psycholinguistics
(Nijmegen)

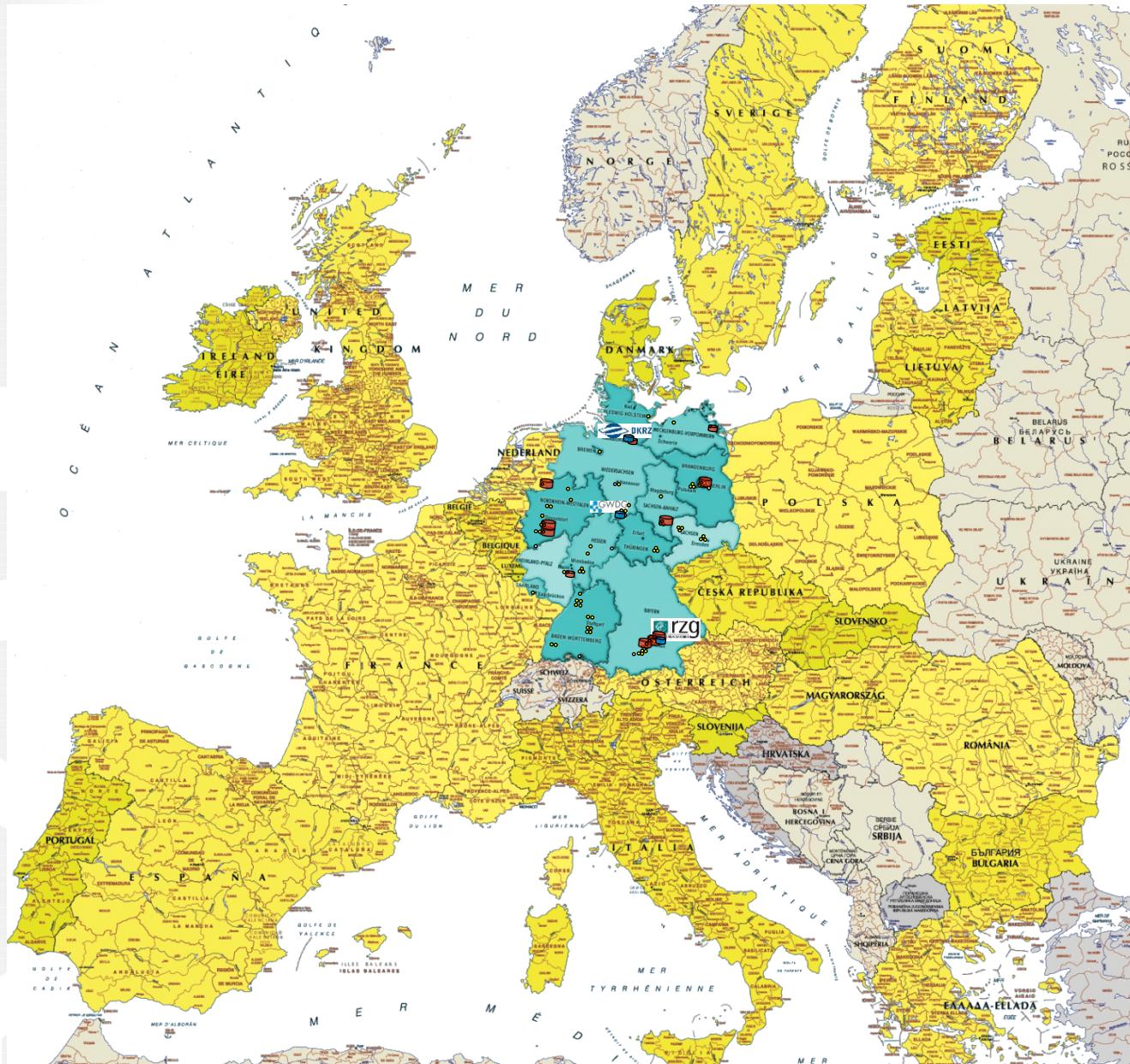
MPI f. Plant Breeding
Research (Köln)

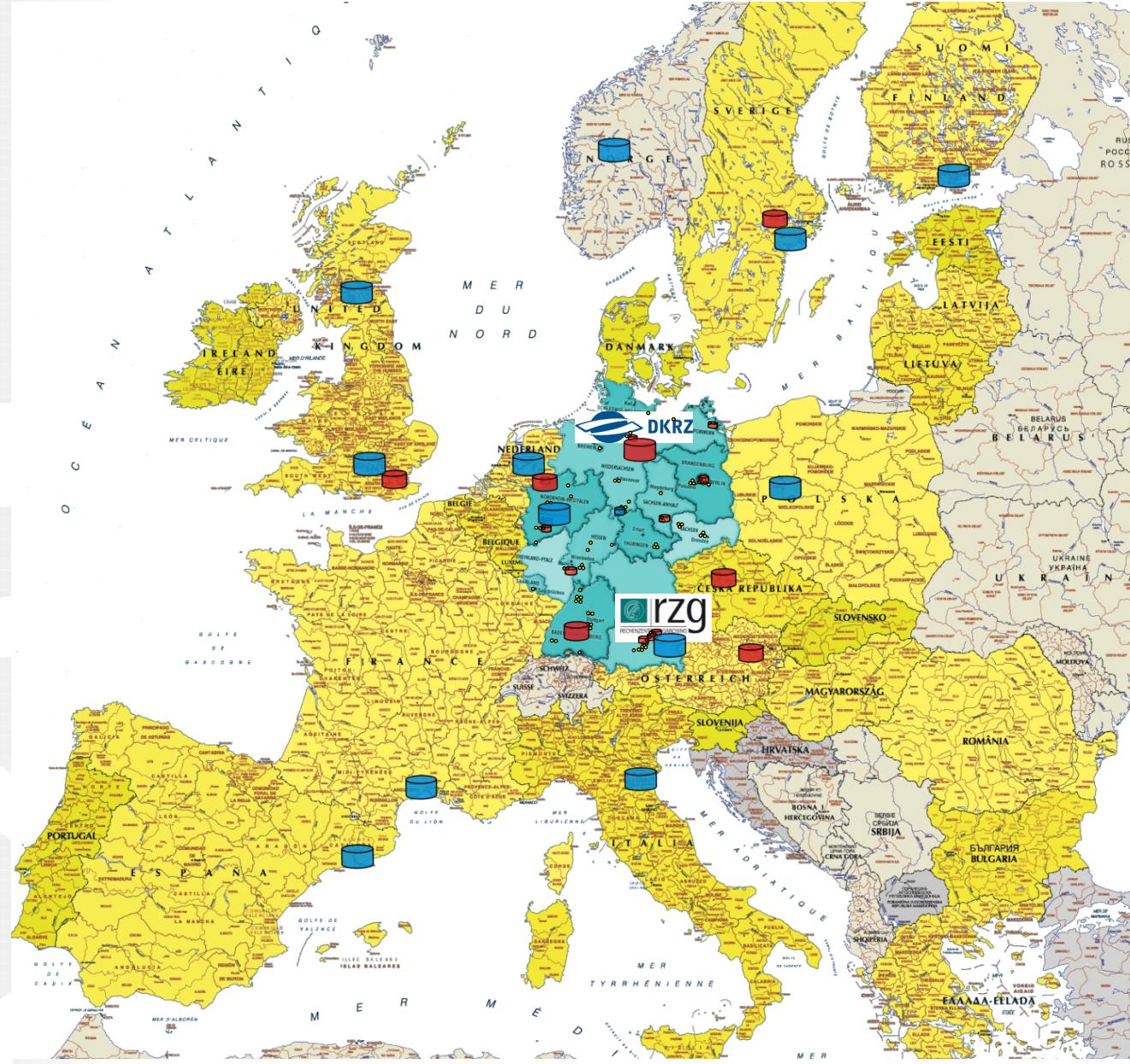
MPI for Radio Astronomy
(Bonn)

MPI for Chemistry
(Mainz)

MPI for Astronomy
(Heidelberg)

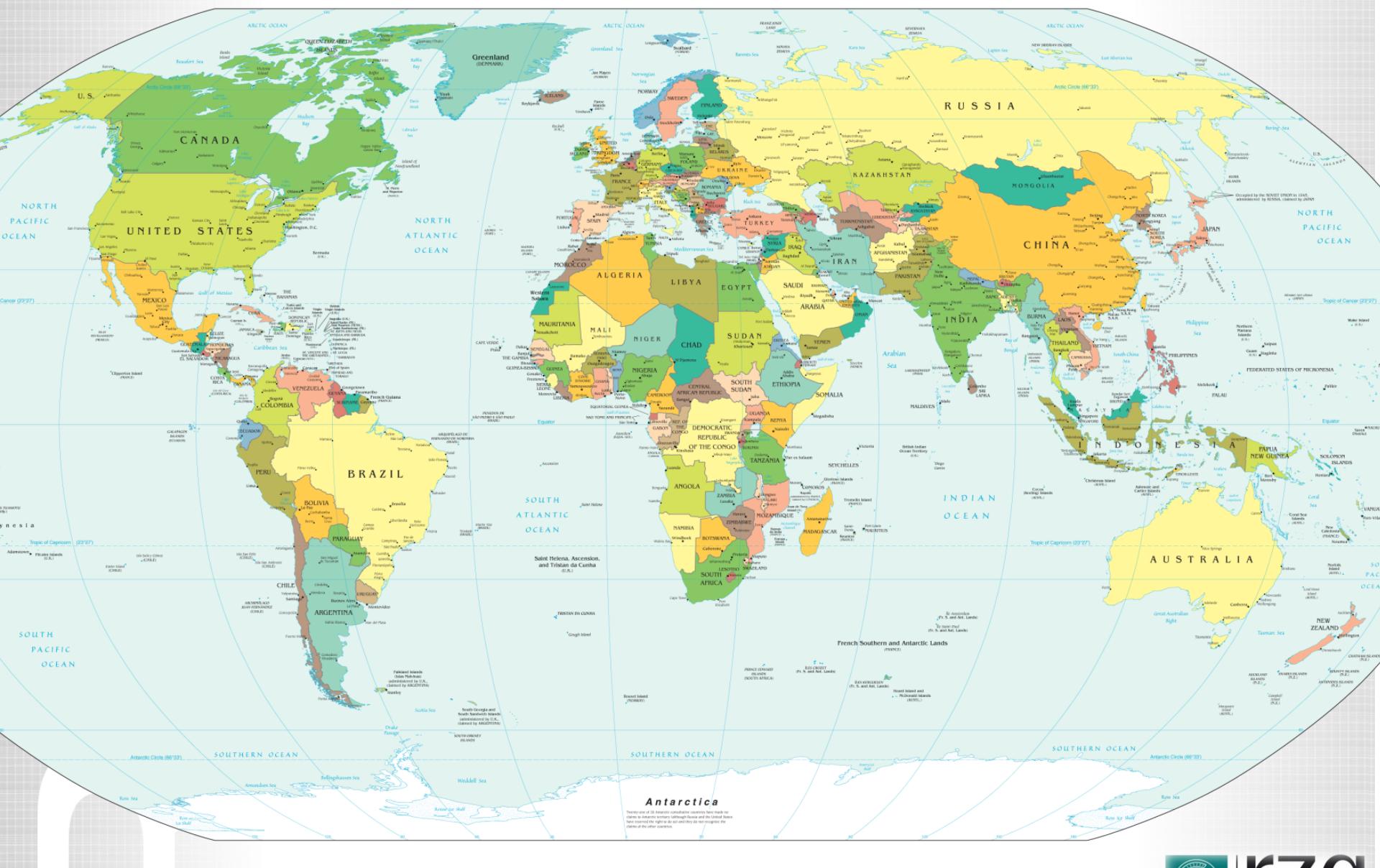




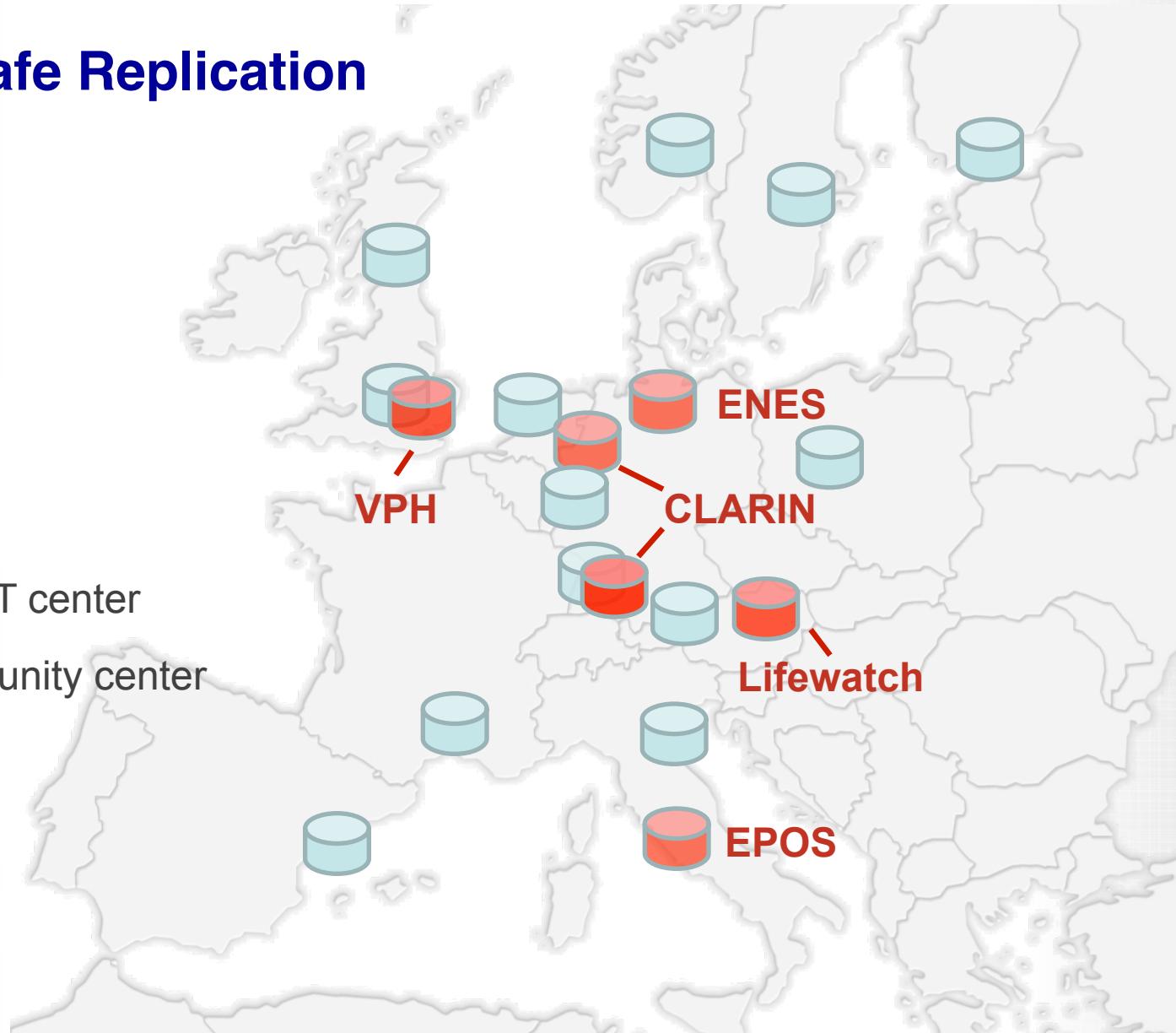




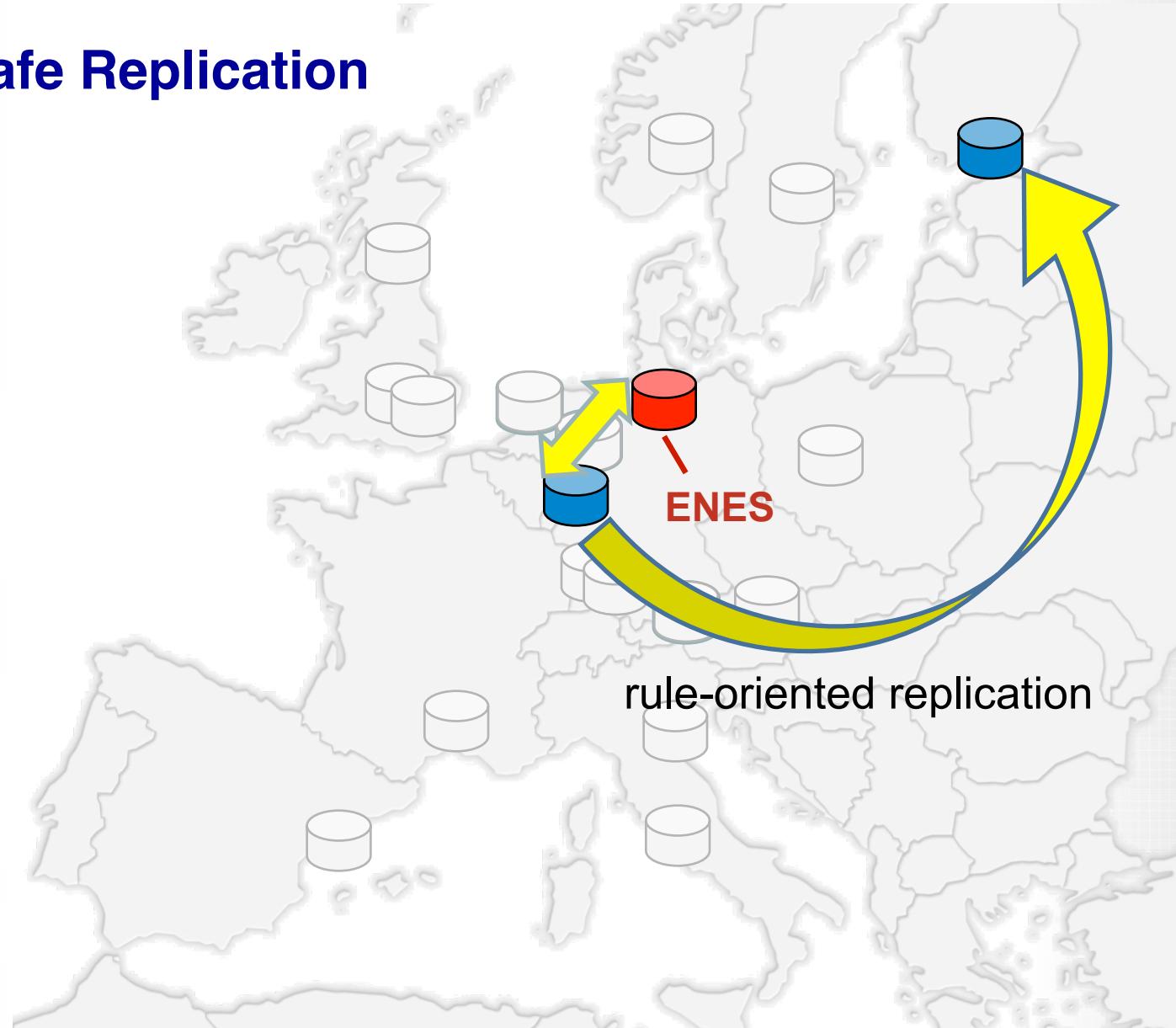
Also world-wide collaborations



Towards Safe Replication



Towards Safe Replication



Towards Safe Replication

