



THE HELMHOLTZ ASSOCIATION IN FIGURES

- >> The Helmholtz Association and its 15 Research Centres maintain more than 3,000 international agreements and collaborative projects worldwide.
- >> A total of more than 4,500 scientists and researchers from all around the world come every year to use the large-scale facilities and infrastructures that, in some cases, only the Helmholtz Centres offer.
- >> Many and especially close contacts exist in the European Research Area, with particular importance attached to the numerous cooperation agreements with partners in the European Union.
- >> The Helmholtz Association runs more than 30 international programmes for young researchers: PhD programmes, Helmholtz Graduate Schools and Helmholtz Research Schools, the Helmholtz China Scholarship Council Exchange and the Helmholtz Russia Joint Research Groups together offer the very best research conditions for junior scientists.
- >> More than 130 Young Investigators Groups in the Helmholtz Association and in the 15 Research Centres attract the best young talent from all around the world to the Helmholtz Association.

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HELMHOLTZ INTERNATIONAL TEAMWORKING WORLDWIDE FOR THE FUTURE OF HUMANITY



The Helmholtz Association is convinced that the partners in the various international networks have to streamline their collaboration and also have to engage in open competition with each other. These two principles contribute significantly to the success of international research projects.

Strong partners in research

The Helmholtz Association sees itself as a natural partner for international research and as a key contributor to an internationally focused research policy. The Research Centres within the Helmholtz Association play a vital role in consolidating and extending the science and research base in Germany. On the one hand, this means cooperating with partners all around the world, while, on the other, it also means taking responsibility for coordinating major international research projects.

International cooperation has made it possible today for basic research to open up even more opportunities, to advance the exchange of ideas, and to develop technologies that are capable of proving themselves in the market. But it's just as important that we play our part in setting standards, that we collaborate in large-scale experiments, and that we use our high-performance infrastructures to the very best of our ability.

Hence, the Helmholtz Association's international goals are:

- to successfully position our excellent research and our unique research infrastructures on the international stage,
- to recruit and promote outstanding young and established researchers, and
- to highlight the role that we play by making it even more visible to the entire scientific community and beyond.

Whether sustainable environmental management, new treatments for serious diseases, or questions of mobility – only if the world's researchers work together can the answers to the challenges of the 21st century be found.

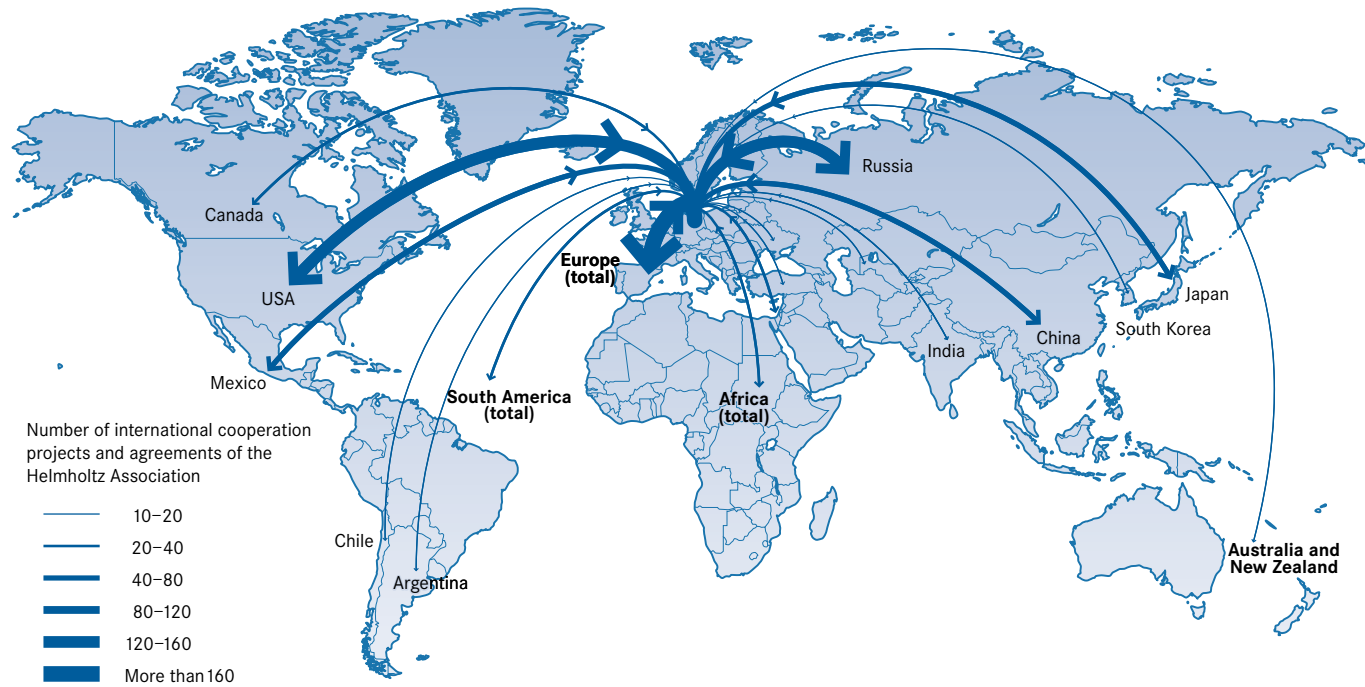
The Helmholtz Association contributes with its research to solving the great challenges that face society as a whole. The work done in the six major research fields at Helmholtz aims to secure a sustainable, viable future for humanity and to create the technological basis for a competitive economy. To meet its mission, the Helmholtz Association needs strong partners in international networks. Because only through international cooperation can systems of great complexity be explored, can systems solutions be developed and can the insights and knowledge gained be translated into applications and practice.

The Helmholtz Association aims:

- to contribute substantially to the fundamental scientific questions that face science, society and industry and to provide systems solutions,
- to fill leading, internationally recognised positions with the best minds in all fields of research,
- to develop methods, technologies and services and to advise politics and society, and
- to strengthen the national economy and to decisively enhance the efficiency and global appeal of German science and research.



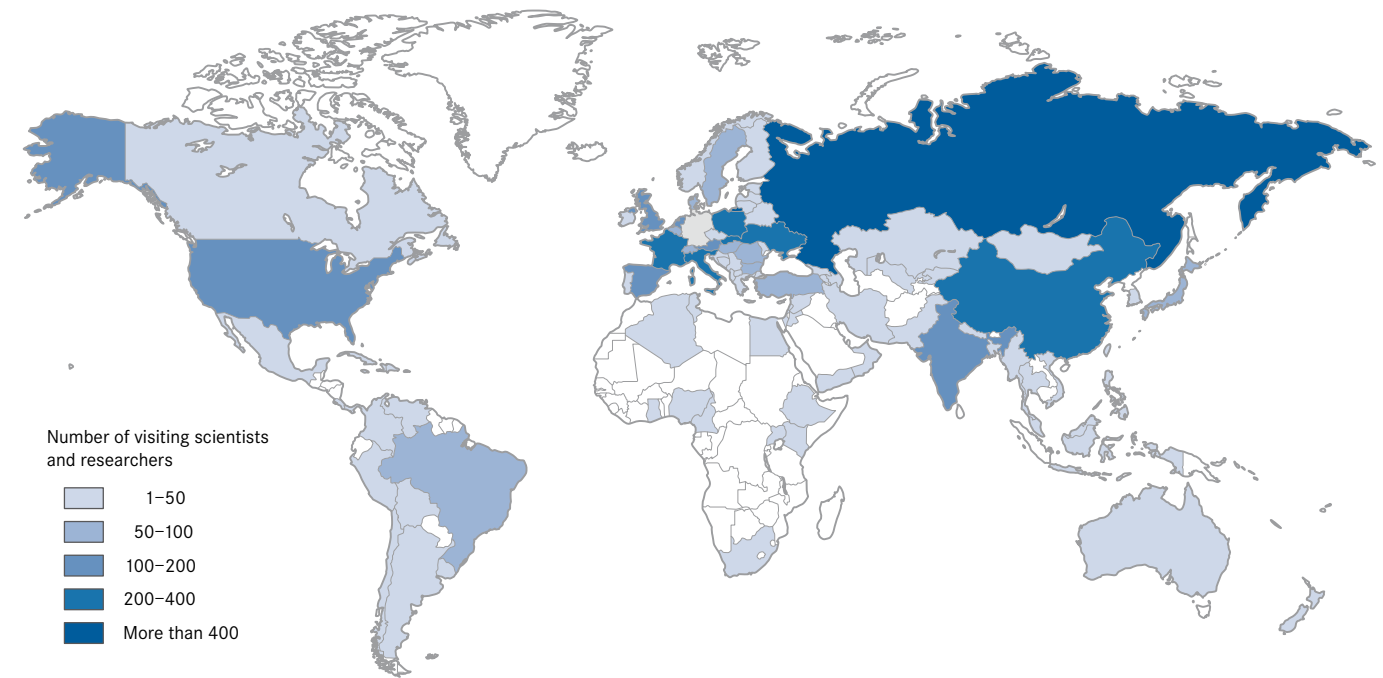
INTERNATIONAL AGREEMENTS AND COOPERATION




 **Worldwide cooperation is a key prerequisite for carrying out research at a level that is internationally competitive and that is capable of producing results of global relevance.** The Helmholtz Association creates the optimal structures and frameworks for this by establishing strategic international alliances, by driving forward its cooperation and by networking with national and international science and research partners.

This outstanding research serves to produce results efficiently and quickly. We promote scientific research in more than 3,000 partnerships and collaborative projects worldwide, with universities and research institutions, with companies and other organisations.

VISITING SCIENTISTS AND RESEARCHERS



 **A modern research infrastructure with unique large-scale facilities. This strength alone makes the Helmholtz Association a much sought-after research partner.** Each year, more than 4,500 visiting scientists and researchers from all around the world use these research opportunities. A key indicator for Helmholtz's role as a crystallisation point for global research projects, and, especially, for the large-scale experiments of Big Science. The major countries of origin are Russia with more than

500 scientists and researchers, followed by Poland, China, France, Italy, India, Spain, the Netherlands, the United Kingdom, the United States, Austria and Ukraine. As a strong, highly efficient player, the Helmholtz Association contributes decisively to creating the European Research Area. This is also why it plays an active role in designing the EU Framework Programmes. And, of course, Helmholtz is also strengthening its own programmatic research by working to raise additional funding in the form of EU grants.