Wachstum durch Wissen -

Wissenschaft für Bremen

Ein lebendiges Netzwerk für eine exzellente Wissenschaft.

Schon 1961 fanden sich die unifreunde als private Initiative zusammen, um das Projekt einer Alma Mater für Bremen engagiert zu unterstützen.

Seither sind ihre Mitgliedzahl, ihre Durchschlagskraft und das Spektrum der Aktivitäten stetig gewachsen.

An der Fortschreibung Bremens als wissenschaftliches "Center of Excellence" arbeiten die unifreunde aktiv mit.

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Bremen Town Musicians: Living Tradition
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EXCELLENT!

What a sensation when on 15th June 2012 news broke that the University of Bremen had triumphed in the third round of the Excellence Initiative, confirming its position right at the top of German university rankings. It was now official: The University of Bremen is among the top eleven universities in Germany entitled to bear the title “University of Excellence”. In the latest round of the Excellence Initiative launched by the Federal Government and the Federal States it had scored successes in all three main categories of the excellence contest.

A mid-sized university with around 20,000 students – and having just celebrated its fortieth anniversary – it is the only alma mater in Northern Germany to make it right to the top.

The University of Bremen competed in the Excellence Initiative with a strategic concept for its future development entitled “Ambitious and Agile”. It was able to submit a “Future Concept” application following prolongation of DFG funding for its Excellence Cluster in the Marine Sciences, “The Ocean in the Earth System – MARUM”, and the “Bremen International Graduate School of Social Sciences” (BIGSSS). During the five year funding period, the task is to ensure that the Excellence monies – amounting to some 86 million euros – are put to best use for the University and for the Federal State of Bremen.

The Excellence Cluster “The Ocean in the Earth System – MARUM” has already been receiving grants from the Excellence Initiative since 2007. The focus here is on geoscientific research, especially with regard to the role of the oceans in the global earth system.

The sociologists, political scientists, psychologists and law scholars of the BIGSSS graduate school investigate the impact of global processes, as well as social and political integration and diversification.

Over the years, its six high-profile research areas have led to the University of Bremen securing a permanent place at the top of the German and international research landscapes. The monies from the Excellence Initiative will help to consolidate this position. The University’s Future Concept also encompasses measures to enable smaller research groups, called Creative Units, to pursue pressing lines of research – especially in the humanities. Over 10% of the funding amount is earmarked exclusively for the promotion of women.

→ www.uni-bremen.de/en/exzellent
AN AGILE UNIVERSITY

Candor, curiosity, willingness to change and crosscultural cooperation – these are characteristics of the University of Bremen’s liveliness. The University is a place for creative discourse, an international meeting place for all ages. It seeks an exchange of experiences with the public and sees itself as a „Campus of Young Talents“. Young people carrying out laboratory experiments, students of history staging performances of historical files together with professional actors, and young political scientists writing their doctoral theses under the very best conditions.

Students benefit from the Excellence funding as well: The quota of outstanding researchers engaged in teaching activities will increase, and their composition will soon become more international – as will the entire campus. There will also be more opportunities for students to find work in research projects. The campus is a place of international encounter, with a strong focus on research-based learning. And of course: Attending a University of Excellence is bound to enhance the career prospects of Bremen graduates.

The University of Bremen opened its doors in 1971, a time of social reformation. In those days it was a reform university, and the innovative course of studies was referred to as the “Bremen Model“. Core elements of this live on today, making a major contribution to the University’s extraordinary success in the field of research: interdisciplinary principles, research-based learning in projects, orientation to the practice, and a sense of responsibility towards society in general. In the meantime, some new guiding principles have emerged: Internationalization, gender equality, interculturality and diversity, not to forget awareness for protection of the environment.

Part of the University’s self-image also comprises flexibility and a readiness to experiment. The outcome: A large number of endowment professorships, nationwide and international recognition for our interdisciplinary high-profile research areas, and constantly improving research rankings. The outstanding quality of research is also due in no small part to the close cooperation maintained with the numerous research institutes located on the campus.

Roughly 23,000 people are currently working as students, teachers, researchers, or employees of the University of Bremen. It has become the science center of Northern Germany, renowned for its strengths in the sciences and engineering studies, as well as the humanities and the social sciences. The work carried out by its researchers, many of whom of international repute, provide important stimuli for many aspects of societal development.

Over its 40-year history, the University of Bremen has remained true to its founding values. It is open to reform, willing to take part in debate with Hanseatic openness, and keen to maintain an exchange of ideas with the public at large and social institutions.

→ www.uni-bremen.de/en

The University of Bremen is
» a place of research for approx. 2,200 scientists and scholars
» a place of study for 20,000 students
» a place of work for 1,250 non-academic personnel.
“Come with us to Bremen!” – the whole world knows this famous invitation from the four Bremen town musicians immortalized in Grimms’ fairy tale. According to legend, when passersby touch the donkey statue’s forelegs their wish will come true. Bremen enjoys a reputation as a cosmopolitan town in which tolerance and cordiality reign. The history of the Free Hanseatic City of Bremen was shaped by trade, and seafaring, as well as by a passion for freedom. Bremen: The modern city by the River Weser, with its ports and ships, picturesque backstreets full of history, and charming riverside walks.

Bremen also has a great of cultural attractions: The City Hall and the Roland statue on the market square, a symbol for justice and freedom, were declared a UNESCO World Heritage Site in 2004. The famous Glocke concert hall is one of the most impressive in the North of Germany. A short walk across the market square and you’re in the Böttcherstraße with its choice of fine restaurants and ateliers. A little farther on and you come to Bremen’s riverside promenade, the Schlachte, a string of inviting beer gardens and taverns. No less appealing is Bremen’s historic old town, known as the Schnoor, with over 100 historical terraced houses huddled together in a maze of narrow cobbled streets – arranged like a tied shoelace, the old German name for which, “Schnoor”, gave the district its name.

The tiny Land of Bremen is the only two-town federal state in Germany – but nevertheless an important location for business, culture and science. Exhibitions like the Universum Science Center, Bremen’s

Übersee Museum and the German Emigration Center in Bremerhaven are good illustrations of how Bremen manages to make science both interesting as well as entertaining and enjoyable. The Hanseatic City State also has a great deal to offer in the field of culture. Besides the Theater Bremen and a visit to the bremer shakespeare company, visitors shouldn’t miss the Breminale, a five-day open-air festival on the banks of the Weser. As people acquainted with the city know, Bremen possesses its own very special charm – you would like it here!

And come what may – the people of Bremen remain loyal and enthusiastic supporters of their soccer team. The town on the Weser is home to Werder Bremen, a top European club. The people of Bremen are sports enthusiasts in other respects, too. No matter what the weather might bring, you will see them riding around on their bikes or boating on the river. At the start of each year, professional cyclists stage Bremen’s traditional Six-Day Race.

→ www.bremen.de/home
STUDY PROGRAMS

STUDYING AT THE UNIVERSITY OF BREMEN

The University of Bremen purposefully combines its research strength with a research-based approach to academic teaching which allows students a high degree of independence. For students of the University of Bremen, research-based learning also entails an orientation to the practice and pressing social issues. According with international practice, degree courses are split into Bachelor, Master and PhD programs.

The study programs are rich in variety, exhibiting high levels of interdisciplinarity and orientation to the practice

PROGRAM SPECTRUM

From electronic engineering, through the social sciences and psychology, up to the geosciences and environmental physics – the University of Bremen offers students a broad spectrum of subjects. At the present time, students can choose between 45 Bachelor programs and 50 Masters. Among these are programs which prepare for careers in the classical professions of law, production engineering, the health sciences and teaching. In addition to these, there are interesting new interdisciplinary degree courses in the environmental sciences, systems engineering and medical biometry which have evolved in response to changes in society and the world of work. The University of Bremen sees its mission in producing graduates who are able to think independently beyond the boundaries of their disciplines and possess high levels of expertise and social skills.

→ www.uni-bremen.de/en/studies

BACHELOR PROGRAMS – a first professional degree. Bachelor programs comprise six or seven semesters of study during which students acquire comprehensive basic knowledge of an academic discipline. They learn how to analyze and investigate problems and processes in varying contexts and how to arrive at sustainable solutions.

MASTER PROGRAMS – advanced studies and specialization. Masters Programs comprise three or four semesters of study during which students deepen their theoretical knowledge in either one or a number of different disciplines. They hone analytical skills and expand their repertoire of methods to enable them to investigate complex issues and applications on a high academic level.

THAT LITTLE EXTRA – General Studies: Students acquire key qualifications to complement their specialties: for instance, learning to make complex subject matter understandable to people less knowledgeable of a topic than themselves, working in teams, or presentation techniques.

INTERNATIONAL DEGREE COURSES: A number of programs are offered in the English language, aiming specifically at mixed groups of international students. Currently there are more than 10 international Master Programs which contribute towards more flair and variety on the campus. International mobility is encouraged in all the degree programs offered by the University.

Assistant from Study Centers,

Praxisbüros and the Center for Teacher Training: Almost all the University faculties run their own Studienzentren [Study Centers], where students can receive advice on specific matters surrounding their studies. Studienzentren provide advice and consultation to the members of their respective faculty on all matters concerning examination regulations and course planning. Then there are the Praxisbüros which advise students on internships, job applications and career opportunities. Students training for careers as teachers can also receive assistance – from the Zentrum für Lehrerbildung [Center for Teacher Training].
INTERNATIONAL Flair

Visiting guests from all over the world enrich campus life at the University of Bremen, which is well-known among students as a cosmopolitan venue for studying and research – over 13% of the student body is of non-German nationality. The Bremen alma mater is increasingly in demand for scholars and scientists from all over the world. These amenities are reflected in the three guiding principles of the University.

» Bremen in the world
» Invite the world to Bremen
» Campus of Diversity and Variety.

The International Office is responsible for ensuring that the University’s 2,200 international students are well looked after. The KOMPASS Project, for instance, is originally a Bremen idea that in the meantime has spread all over Germany: The program promotes self-initiative and proactively helps students find their way through university and everyday life. This competence-oriented advisory approach encompasses all the University’s international students, from those in preparatory courses, up to doctoral candidates. After graduation all students can keep in touch with the University of Bremen by joining the alumni association.

Students can make use of the exchange arrangements in place with the University of Bremen’s large number of partner universities. Every year more than 400 students take advantage of the opportunity to spend a semester studying abroad.

Within the frame of the Erasmus Program alone, more than 300 students, large numbers of teaching staff and specialists in the administration seize the opportunity to acquire international experience.

→ www.uni-bremen.de/en/international

NEW: The Welcome Centre! The University of Bremen makes every effort to ensure that visiting scholars and scientists get off to a smooth start on campus and in the town. With this in mind it has set up a Welcome Centre to stand by visiting international guests and their families with a comprehensive offer of advice and assistance.
UNIVERSITY OF BREMEN – Research Profile

The University of Bremen is high-profile, professional, and prominent on the research landscape. It belongs to the top league of German universities. In 2011, members of the University acquired third-party funding in an amount of approx. 90 million euros, equivalent to about one third of the entire University budget.

Research areas of excellence at the University of Bremen are to be found in marine and climate research, in engineering and the social sciences. Altogether they host three Collaborative Research Centers, the ‘Ocean Margins’ Research Center funded by the DFG, a Graduate School of Excellence, and several Graduate Research Groups. The humanities encompass innovative collaborative research groups as well as many excellent research personalities.

The quality of research is underscored by the high number of German and international academic accolades heaped upon the scientists and scholars of the University of Bremen. No less than three Bremen researchers have been awarded the coveted Leibniz Prize by the Deutsche Forschungsgemeinschaft.

The latest Förderatlas [Funding Atlas] published by the DFG in 2012 illustrates the fact that the University of Bremen has established a sustainable research profile. Whether this is due to its professors or to academic support personnel – no other German university attracts as much DFG funding per researcher in the sciences as Bremen. And in the especially strong field of Earth Sciences the University of Bremen is ahead in absolute terms. The Bremen Earth scientists are clearly number 1 in the rankings.

→ www.uni-bremen.de/en/research

HIGH-PROFILE AREAS

Ever since the University was founded in 1971, its researchers have been bent on investigating the more pressing issues of our time. Their research findings provide solutions to problems and new stimuli for societal development. They never retreat to the proverbial “ivory tower”; rather, they seek contact to the public at large and to social institutions. The University is engaged in a variety of different research areas, but its research profile is determined for the most part by its six high-profile research areas. These high-profile areas are of an interdisciplinary nature and have attained both national as well as international visibility:

» Marine, Polar and Climate Research
» The Social Sciences: Social Change, Social Policy, and the State
» Materials Science and Production Engineering
» Computer, Cognition and Communication Sciences
» Logistics
» Epidemiology and Health Sciences

The social sciences have always been among the University’s core disciplines. They enjoy a high reputation, both at home and abroad. Social scientific research “made in Bremen” is characterized by its critical analysis of the development of the welfare state. In the DFG Förderatlas rankings 2012, the University’s social scientists are listed at position 9 according to the amount of third-party funding acquired by individual professors. The field of social sciences as a whole (Political Science/ Sociology/Communication Studies) is in pole position.

University of Bremen researchers in the field of Materials Science are carrying out ground-breaking work on the integration of all kinds of sensors in materials and manufacturing components.
Lines of research that exhibit innovative formats and are not (yet) big enough to warrant the status of “high-profile area” become eligible for flexible forms of support as small or medium-sized research groups. Such groups are currently engaged in research on the following topics: Media communication; language contact and language comparisons; (post-)Cold War Europe; disabled persons from a historical perspective; the governance of transnational enterprises; migration, integration and regional differentiation.

The University of Bremen has also chalked up notable successes in the area of brain research. Among other things, Bremen scientists work with an exceptionally high-performance magnetic resonance tomodograph which helps them to investigate cognitive activities such as perception, memory and communication.

The sophisticated equipment is capable of characterizing the specific cerebral regions which are involved in cognitive activities, thus dispensing with the need for extensive electro-physiological measurements. Using a research platform that is unique in Europe, the neuro scientists are presently investigating how the human brain constructs space. A 2.8-meter-high Virtusphere ball assists them in their investigations. Inside this ball, test persons wander through virtual spaces, as though they were walking a treadmill. The long-term objective is to cause machines to imitate human capabilities. Then there is the internationally renowned Bremen team of soccer robots called B-Human that for the third time in a row triumphed in the 2011 Robocup World Championships.

Another of the University of Bremen’s specialties is climate research. The Institute of Environmental Physics at the University (IUP) carries out analyses of satellite data on a routine basis, monitoring, for instance, the retreat of the polar ice cap.

At the University of Bremen’s Research Center for Eastern European Studies, the “Samizdat” Archive harbors relics of the civil rights movement in the erstwhile “Eastern Block” countries. Underground newspapers, hand-copied literature – the Archive is internationally renowned, and together with the archive at the US Stanford University is the largest of its type in the world.

### FINANCES

**University Budget (status 2011 in EUR million)**

- Total Income: 282,5
- Third-party funding: 91,0
- Public funding: 138,3
- Miscellaneous: 53,2

### UNIVERSITY STATISTICS

- Student Body (WS 2011/2012): 20,000
- Of which female: 9,800
- International Students: 2,250
COLLABORATIVE RESEARCH CENTERS

At German universities, Collaborative Research Centers (CRC) count as the most innovative and sophisticated research institutions of all. They are funded by the Deutsche Forschungsgemeinschaft (DFG) and they have to meet the most rigorous scientific requirements. The decisive criteria for being awarded an interdisciplinary CRC by the Deutsche Forschungsgemeinschaft are the qualifications of the researchers involved, positioning of the thematic area in international competition, as well as the topicality, relevance and originality of the proposed research. The University of Bremen currently hosts no less than four CRCs.

CRC TR4 “PROCESS CHAINS FOR THE REPLICA TION OF COMPLEX OPTICAL ELEMENTS” (SINCE 2001)

The main objective pursued by this CRC is to develop economical methods for the mass production of optical elements with complex geometry like, for instance, digital cameras, illumination optics, and optics for measuring devices. Participating in the CRC along with the University of Bremen are the RWTH University Aachen and Oklahoma State University (USA). The third phase of funding started in 2012 is being funded in an amount of EUR 11 million.

→ www.sfb-tr4.uni-bremen.de

CRC TR8 “SPATIAL COGNITION – REASONING, ACTION, INTERACTION” (SINCE 2003)

The objective is to find out how humans react to their spatial environment, how they find their way around, and how they communicate information on their spatial surroundings. Scientists from the University of Bremen and the University of Freiburg can then use these findings to transfer such human capabilities to cognitive agents like robots and computer programs. This transregional CRC is in its final phase, which is being funded with EUR 10.5 million.

→ www.sfbtr8.spatial-cognition.de

CRC 597 “TRANSFORMATIONS OF THE STATE” (SINCE 2003)

Scholars from the University of Bremen, Jacobs University Bremen, and the University of Oldenburg are investigating the ways in which the classical national state has undergone change in face of the pressure resulting from globalization and liberalization over the past 30 years. They examine the source of such pressure and the impact of subsequent processes of change. The Deutsche Forschungsgemeinschaft has allocated the CRC a total of EUR 12 million for its final phase.

→ www.sfb597.uni-bremen.de
CRC 747 „MICRO COLD FORMING – PROCESSES, CHARACTERIZATION, OPTIMIZATION” (SINCE 2001)

The focus of research in this CRC is on innovative materials research in the micro range. The objective here is to develop cost-efficient techniques for the manufacture of minute metallic components. Such components can be as small as a grain of rice and in order to function smoothly they must be produced with an accuracy of a thousandth of a millimeter. This entails a joint effort on the part of researchers from the Faculties of Production Engineering, Physics/Electronic Engineering, and Mathematics/Computer Science. The CRC has been allocated EUR 10.5 million up to 2014.

www.sfb747.uni-bremen.de

“CENTER FOR MARINE ENVIRONMENTAL SCIENCES”
(MARUM)

In the course of just a few years, the “Center for Marine Environmental Sciences” (MARUM) has become one of the world’s leading institutions in the field of deep-sea exploration. All the participating Bremen disciplines are high up in the top international league. Innovative technological developments and the ongoing publication of scientific findings in prominent journals underscore the Research Center’s renown. Beside its accumulated expert know-how, the Center possesses some formidable state-of-the-art equipment, including two sophisticated submarine robots which make it possible to gain breathtaking hot-vent imagery and precious sediment samples. MARUM comprises the DFG Research Center and the Cluster of Excellence „The Ocean in the Earth System“.

www.marum.de

PHD PROGRAMS

The University of Bremen offers structured PhD programs in all disciplines. Young researchers are given every opportunity to carry out independent research and can at the same time attend customized lecture courses. The “Bremen International Graduate School of Social Sciences” (BIGSSS) is the largest structured PhD program offered by the University.

Another graduate school, “Global Change in the Marine Realm” (GLOMAR) in the MARUM, focuses on four different research areas: Ocean and Climate; coastal zone processes; marine ecology and biogeochemistry; and challenges for society. A newcomer in 2012 is the Graduate Research Group 1620 “Models of Gravity”. Set up by the DFG, it is run jointly by the Universities of Bremen and Oldenburg. The research focus is on theories of gravitation.

In addition to those listed above, the University of Bremen hosts another 15 PhD programs. These programs are either funded by the Deutsche Forschungsgemeinschaft, the Federal State of Bremen, the private sector, funding foundations or extra-mural research institutes. Doctoral candidates who do not join any of the above programs can draw on the wide range of further training and advice offered by the University’s Graduate Center, ProUB.

www.bigss-bremen.de
www.marum.de
www.uni-bremen.de/en/proub
The lower reaches of the River Weser are home to a large number of research institutions of international repute. Among the most prominent of these are the Center for Marine Environmental Sciences (MARUM) at the University of Bremen, that together with the Center for Marine Tropical Ecology (ZMT) and the Alfred Wegener Institute (AWI) of Polar and Marine Research in Bremerhaven constitutes an exceptional cluster of international marine and climate research. MARUM houses the drill-core storage facility of the Integrated Ocean Drilling Program (IODP) – the largest of only three of its kind in the world.

A further research highlight: The laboratory of the German Research Center for Artificial Intelligence (DFKI). “Scorpion”, the eight-legged self-steering walking robot, is attracting keen interest from important international space agencies. Logistics specialists, on the other hand, are fascinated by the packaging robot developed for Deutsche Post by the Bremer Institut für Produktion und Logistik GmbH (BIBA). Not to forget the Center of Applied Space Technology and Microgravitation (ZARM), where experiments can be carried out in a “drop tower” under conditions of zero gravity. The tower rises 146 meters high over the campus and is the only one of its kind in Europe.

Hardly any other university of comparable size has gathered so many extra-mural research institutes around it as the University of Bremen. This top-notch research infrastructure attracts more and more private enterprises to locate in the Technology Park immediately adjacent to the University, a successful high-tech site comprising some 450 private sector firms.

⇒ www.uni-bremen.de/en
COOPERATION between University and Schools

Arousing the interest of young people in science and technology at an early age is an important aim of the University of Bremen. There is a tradition in institutions like the school laboratory in Physics, Chemistry, and Biology called UNI Schullabor, the ComputerAG in schools, “taster” studies, and early-entrance students.

Children discover the world around them best when allowed to experiment for themselves. The wide and varied program offered by the University of Bremen even has something to offer for pupils of elementary-school age. This is illustrated by the tremendous success of Bremer Kinder-Uni [Bremen Children’s University]: During the Easter school vacation 2012, more than 1,500 children aged from eight to twelve years took part in this event. The University of Bremen also maintains a varied program of further education for school teachers.

→ www.schule.uni-bremen.de/en

SCIENTIFIC Cooperation Partners

Academic dialogue and cooperation are prerequisites for efficient research and education. Scholarly meetings, conferences, joint course offerings and research projects present ideal opportunities for deepening such dialogue. There is particularly close cooperation with the University of Oldenburg, the Hanse-Wissenschaftskolleg Institute of Advanced Study (HWK) in Delmenhorst, and Jacobs University Bremen. The University of Bremen also has cooperation agreements in place with the following research institutes in Bremen:

» Alfred-Wegener-Institut für Polar- und Meeresforschung (AWI)
» Bremer Institut für Epidemiologie Präventionsforschung und Sozialmedizin (BIPS)
» Bremer Institut für Angewandte Strahltechnik (BIAS)
» Bremer Institut für Betriebstechnik und Angewandte Arbeitswissenschaft (BIBA)
» Faserinstitut (FIBRE)
» Forschungsstelle Osteuropa an der University of Bremen
» Fraunhofer-Institut für Bildgestützte Medizin (Fraunhofer MEVIS)
» Fraunhofer-Institut für Fertigungstechnik und Angewandte Materialforschung (IFAM)
» Institut für Informationsmanagement (fib)
» Institut für Wissenschaftstransfer (fW)
» Institut für Seeverkehrswirtschaft und Logistik (ISL)
» Institut für Werkstofftechnik (IWT)
» Kompetenzzentrum für Klinische Studien Bremen
» Max-Planck-Institut für Marine Mikrobiologie
» Zentrum für angewandte Raumfahrttechnologie und Mikrogravitation (ZARM)
» Zentrum für Europäische Rechtspolitik (ZERP)
» Zentrum für Marine Tropenökologie (ZMT)
Besides teaching and research, the University also perceives a vital mission in the dissemination and transfer of research findings. The most important link between the University and the region is UniTransfer. This office for the transfer of knowledge and technology is the first stop for the arrangement of cooperation projects between the University and the business community.

**UNITRANSFER**

- assists with the registration and marketing of patents
- supports start-ups and spinoffs from the University
- manages the University’s sponsoring activities
- manages the internet-based job placement portal “Praxisbörse – online”
- organizes the annual “Praxisbörse – die Messe” event that brings students together with potential employers

≥ [www.uni-bremen.de/en/unitransfer](http://www.uni-bremen.de/en/unitransfer)

It’s never too late to learn: For anyone wishing to advance their career, seeking new challenges, or quite simply just out of curiosity – the University is a hub for all types of teaching and learning. The University’s Akademie für Weiterbildung [Academy of Further Education] offers numerous courses for interested members of the public – either with or without university education.

Working closely together with external consultants and University Faculties and institutes, the Akademie für Weiterbildung offers a broad spectrum of courses that are open to the general public: Digital media, the environment and technology, education, health and care, management and leadership, law and social services – from one-day seminars to Master programs. The course offerings impart foundation knowledge on the current status of research and feature a strong orientation to the practice.

The Akademie für Weiterbildung has a wide offer of customized courses and in-house training for businesses and institutions. Additionally, the center maintains a program for the further education of retired persons and senior citizens.

≥ [www.uni-bremen.de/en/weiterbildung](http://www.uni-bremen.de/en/weiterbildung)
Wachstum durch Wissen -
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Schon 1961 fanden sich die unifreunde als private Initiative zusammen, um das Projekt einer Alma Mater für Bremen engagiert zu unterstützen. Seither sind ihre Mitgliedzahl, ihre Durchschlagskraft und das Spektrum der Aktivitäten stetig gewachsen. An der Fortschreibung Bremens als wissenschaftliches "Center of Excellence" arbeiten die unifreunde aktiv mit. Mehr unter unifreun.de

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