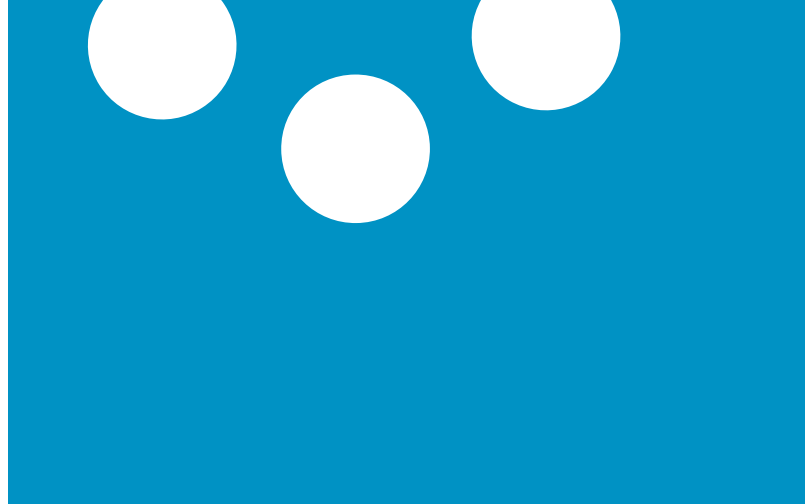




University of Natural Resources
and Applied Life Sciences, Vienna





universität des lebens

The people at BOKU meet the challenges of tomorrow.

Dear Reader,

the University of Natural Resources and Applied Life Sciences, Vienna is a special university in many ways. Initially founded as a university of agriculture and forestry in 1872, it nowadays covers a unique scientific spectrum. It deals with various fields ranging from agrarian issues to biotechnological research. The interdisciplinary research and teaching approach is a distinguishing characteristic of BOKU.

As a university of life sciences BOKU assumes important social and political responsibilities. Its core competency is the research and communication of ways of sustainable use and the protection of natural resources. As a result, BOKU provides answers to issues of socio-political importance that affect us all.

BOKU enjoys an outstanding reputation and offers an exceptional environment: It has always been a place of encounter for different fields of science, research topics, opinions, attitudes, people and nationalities; openness and diversity characterise everyday life at our university.

We are delighted to provide you with an insight into our university with this brochure.

The Rectorate of BOKU Vienna





The combination of natural sciences, technology, environmental sciences, social sciences and economics makes BOKU graduates highly employable in research and business.

Studying at BOKU

Studying at BOKU implies both a sound academic as well as a practice oriented education. However, studying at BOKU also stands for a lifestyle: Students are able to acquire a profound knowledge in their field of study in a personal environment and to prepare for their future career. Special emphasis is placed on the management of natural resources, the design of living environments and on applied life sciences.

Interdisciplinary study programmes

The University of Natural Resources and Applied Life Sciences, Vienna was one of the first Austrian universities to adapt the internationally recognised three-tier university education system (bachelor's, master's and doctoral programmes) that gives students

the flexibility to pursue their studies in Austria and abroad. The study programmes offered at BOKU currently include nine bachelor's programmes, 25 master's programmes and two doctoral programmes; six of the master's programmes are offered in collaboration with international universities and institutions. All study programmes are highly interdisciplinary: The combination of natural sciences, technology, environmental sciences, social sciences and economics makes BOKU graduates highly employable in research and business sectors. BOKU responds to the trend of increasing internationalisation with appropriate study programmes, exchange programmes, lectures in foreign languages and language courses.

The study programmes at BOKU

Bachelor's Programmes

(Bakkalaureus respectively Bakkalaurea der technischen Wissenschaften / Bakk.techn.): Agricultural Sciences • Forestry • Wood and Fibre Technology • Environmental Engineering • Landscape Architecture and Planning • Food Science and Biotechnology • Equine Sciences (in cooperation with the University of Veterinary Medicine Vienna) • Environment and Bio-Resources Management • Viticulture, Oenology and Wine Economics •

Master's Programmes

(Diplomingenieur respectively Diplomingeneurin / Dipl.-Ing. respectively DI): Agricultural Biology • Agricultural and Food Economy • Applied Plant Sciences • Biotechnology • Forest Sciences • Wood Technology and Management • Environmental Engineering • Land Management and Civil Engineering • Landscape Architecture and Planning • Food Science and Technology • Livestock Sciences • Organic Farming • Phytomedicine • Environment and Bio-Resources Management • Water Management • Wildlife Ecology and Wildlife Management •

International Master's Programmes

(Diplomingenieur respectively Diplomingeneurin / Dipl.-Ing. respectively DI; partly Master of Science respectively MSc): Environmental Sciences - Soil, Water and Biodiversity (ENVEURO) • DDP European Master in Animal Breeding and Genetics • DDP MSc European Forestry • Horticultural Sciences • Mountain Forestry • Mountain Risk Engineering • Natural Resources Management and Ecological Engineering • DDP Material and Energetic Exploitation of Renewable Raw Materials (NAWARO) • Safety in the Food Chain •

Doctoral Programmes

Doctorate in Agricultural Sciences (Dr.nat.techn.) • Doctorate in Economics and Social Sciences at the University of Natural Resources and Applied Life Sciences, Vienna (Dr.rer.soc.oec.) • Doctoral School Sustainable Development (Dr.nat.techn. or Dr.rer.soc.oec.) •

For detailed information on the individual study programmes, please visit www.boku4you.at or arrange a personal meeting with the staff of the student advice centre BOKU4YOU

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The decision to study at BOKU is accompanied by a certain attitude.

Students and graduates of BOKU

The decision to study at BOKU is accompanied by a certain attitude. Students at BOKU are willing to continuously acquire knowledge and to develop their personal skills. Many of them are sensitive to socio-political issues and willing to assume responsibility. Their social commitment starts at a young age - ranging from cultural and social issues to sports - and continues throughout their studies.

Attractive to employers

Employers value graduates of BOKU for their interdisciplinary intelligence, their problem-solving approach and their ability to think outside the box. Graduates of BOKU pursue careers in many different areas ranging from traditional fields of work, such as agriculture and forestry to biotechnology, construction industry, food manage-

ment or environmental management. They are largely represented in the public administration sector including ministries, federal state governments or municipal departments. Moreover, they also often fill executive positions in other sectors.

Good job prospects and graduate networking are provided by the alumni umbrella association of BOKU in collaboration with the alumni associations of the different fields of study. Services include a job centre, pre-application advice and career seminars. It also organises alumni meetings and much more. A quarterly magazine provides all the latest news on BOKU and its graduates.



“

A clear definition of the learning objectives is as much a part of the mission statement as promoting critical thinking and a culture of mutual respect.

Teaching at BOKU

The teaching staff at BOKU have, just like the students, a clear idea of who they are: They are committed to the university as a place of education, they draw their expertise from research successes as well as from their teaching and practical experiences, and pursue a holistic approach that takes account of the broader perspective. They take a firm stand on important issues in their fields of expertise and act as advocates of an active and responsible BOKU. In their role as contact persons, they are also open to the concerns of their students.

BOKU has around 800 teaching staff on average, a quarter of whom are women. Almost half of the faculty are external experts who make their knowledge and practical experience available to our students. The teaching staff at BOKU pursue high standards of excellence: A clear definition of the learning objectives, their accomplishment and a consistent call to meet these objectives is as much a part of the mission statement as promoting critical thinking and a culture of mutual respect.

Coherent framework and clearly defined curricula

In addition to appointing highly qualified teaching staff, BOKU places great emphasis on appropriate study conditions. These include student-friendly course timetables, modern technical facilities and the opportunity for students to have their say. However, the primary aim is the development of clearly structured, flexible and interdisciplinary curricula devoid of any unnecessary encumbrance. This is also the motto of the project „BOKU Studies in the Future“.

In addition to undergraduate studies, BOKU places great emphasis on postgraduate studies and continuing education. To this end, the university is developing programmes of continuing education that allow students to also gain practical knowledge and to exchange experiences in addition to the scientific foundation. The latest knowledge and the core competences of BOKU are presented in master's programmes, summer academies and conferences.



Research at a high level is both backbone and guideline for future development at BOKU.

The scientific environment, partners from the realms of politics, society and business expect scientific expertise from BOKU in matters pertaining to the interaction of the human being, society and the environment.

We need to provide competent answers to pressing issues such as climate change, food safety, genetic engineering and its consequences, flood and avalanche protection, development of sustainable agriculture and forestry, as well as the improvement of urban and

rural living spaces against the background of migration and demographic change. BOKU addresses these issues in the thematic fields “Global Change”, “Biotechnology” and “Renewable Raw Materials” which are reflected in BOKU’s areas of expertise.

The respective issues are dealt with in both basic and applied research. The current research profile provides a sound starting point. It continues to be developed in an innovative manner and persistently addresses new issues and needs of social relevance. This goes hand in hand with a visible increase of disciplinary excellence and interdisciplinary networking. The new Centre for Development Research – a scientific institution designed to pool development research at BOKU – will play a crucial role in this context.

Research at a high level is both backbone and guideline for future development at BOKU. The scientists are particularly active and successful in competitive project tenders (especially in FWF / Austrian Science Fund and EU framework programmes). This is one of the reasons why BOKU is an appealing partner to the industry. The university’s broad understanding of the exploitation of research results also includes business initiatives (spin offs).

BOKU is home to various scientific associations, many of which have been founded by BOKU Chairs (e.g. Gregor Mendel Society, Austrian Association for Agricultural and Environmental Law, Austrian Association of Agricultural Economists, Austrian Soil Science Society, Austrian Association for Management of Contaminated

Sites, Austrian Association for Genetics and Genetic Engineering). Furthermore, the researchers at BOKU are working for a number of scientific organisations. More than 550 of these positions are listed in the research database.



Schwackhöfer house, Türkenschanze



Rear view of the main building, Türkenschanze



Laboratory, Muthgasse



Water cluster, Lunz



Gauging station, Sonnblick



Research diversity at BOKU



Research at BOKU addresses the protection and sustainable use of natural resources and because of this it deals with topics relevant to each of us.

The areas of expertise of the University of Natural Resources and Applied Life Sciences, Vienna include:

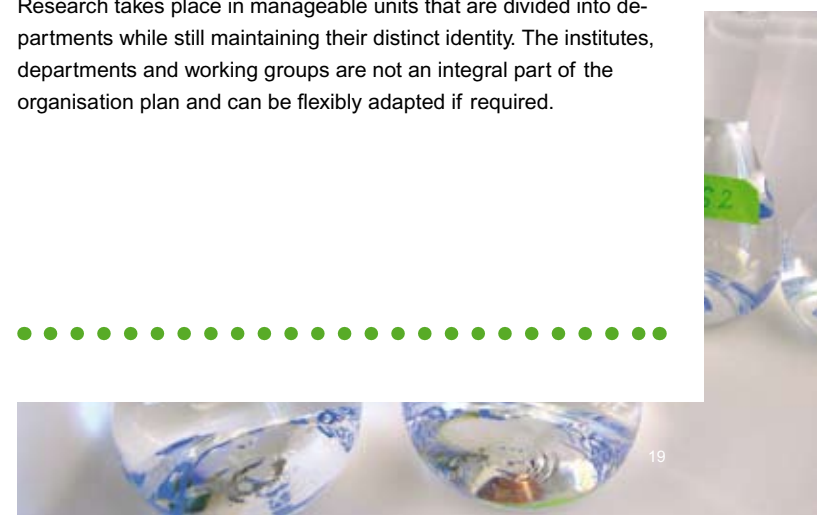
- Soil and land ecosystems
- Water, atmosphere, environment
- Habitat and landscape
- Renewable resources and resource-oriented technologies
- Food, nutrition and health
- Biotechnology
- Nanosciences and nanotechnology
- Resources and social dynamics

These areas reflect the three-pillar system of BOKU, namely the interlinking of natural sciences, technology and economics.

International research in a regional context

The majority of research projects currently conducted at BOKU have a regional or national context. However, thanks to the international networking of the researchers at BOKU, research projects of European or international relevance can also be carried out.

Research takes place in manageable units that are divided into departments while still maintaining their distinct identity. The institutes, departments and working groups are not an integral part of the organisation plan and can be flexibly adapted if required.



”

BOKU as an international university

BOKU is firmly rooted in the region and has an excellent record of international achievements. Partnerships with around 80 universities worldwide and further 140 partner institutions in the European ERASMUS programme ensure an international transfer of knowledge and experiences in teaching and research.

In Austria, BOKU is the university

- that offers the largest number of international double degree programmes
- that offers the largest number of master's programmes in English
- that carries out more ERASMUS-MUNDUS projects than any other Austrian university
- that participates in more projects of the TEMPUS programme than any other Austrian university
- that supervises the highest number of North South Dialogue

scholars conducting research at BOKU for their diploma thesis or degree dissertation

- that has the highest proportion of students who participate in study visits abroad (37.5%)
- that offers more language learning courses than any other Austrian university not specialised in linguistics
- which is the first to have established a special scientific institution focussing on development research (Centre for Development Research).

Internationality of teaching

Over the past few years, international students accounted for 15 to 18 percent of all students. In order to meet rising demands – the international students come from about 70 different countries – more than 300 courses were conducted in a language other than German over the past years.



“

As an employer of more than 1600 people, BOKU has an enormous responsibility toward society.

More than half of the people employed by the university are academic staff, approx. 40% are working in administration. The large proportion of employees financed by third party funds – almost a third – is a clear indication of the extensive collaboration between BOKU and the business community. Women account for 46% of all staff. In teaching and research, however, the proportion of women is significantly lower. Specific measures, such as gender balanced employment policies help to increase the proportion of women in academic positions.

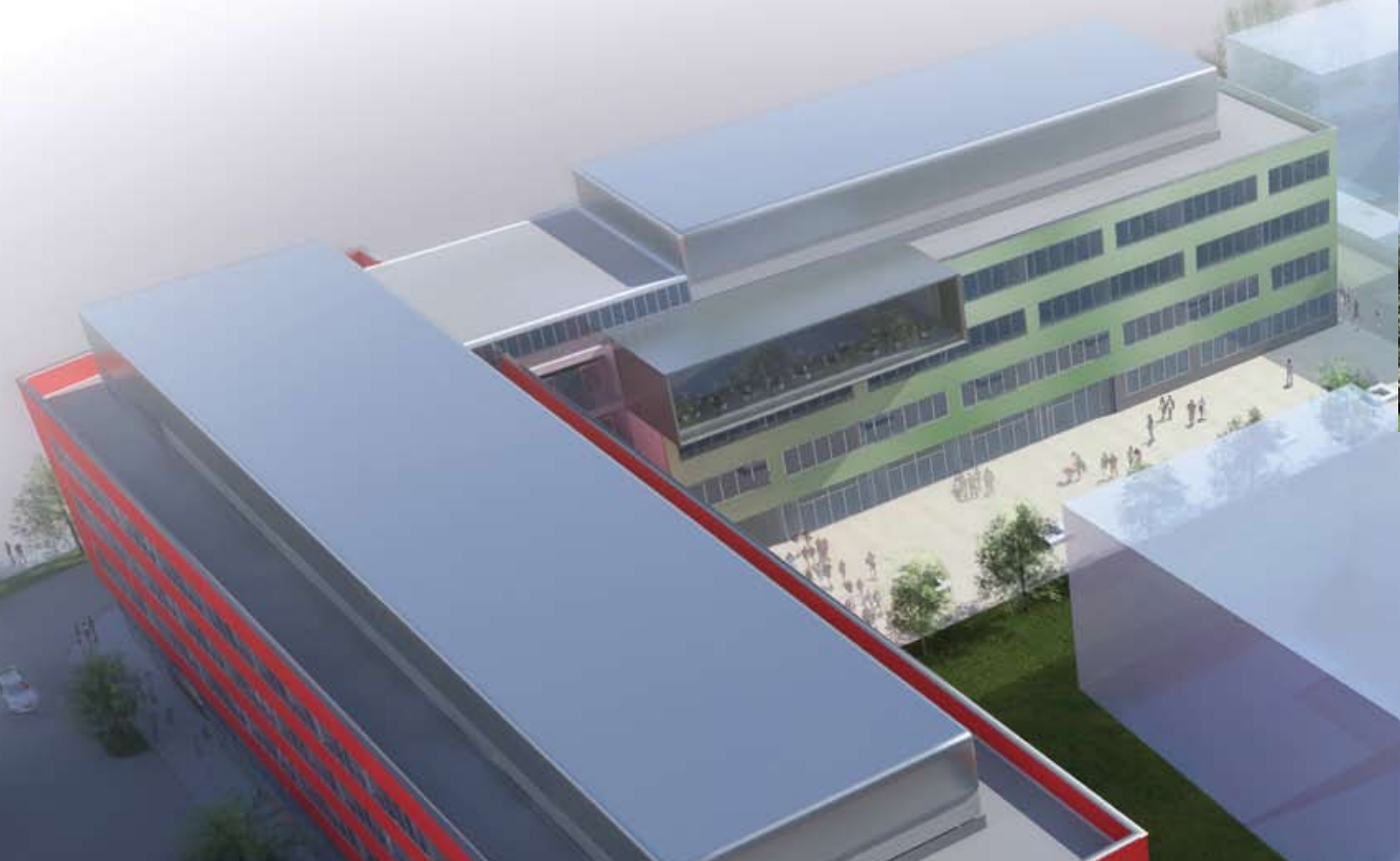
Highly skilled staff

BOKU does not only apply high standards to teaching and research but also to the recruitment of staff. Great emphasis is placed on

soft skills in addition to professional qualifications. The university has dedicated staff that excel through a great degree of personal responsibility, commitment and know-how.

Human resource development

Of no lesser importance is personnel development at BOKU. Our highly qualified and competent staff are given the opportunity to develop their personal skills. Our human resource development programme includes the tailored training, the targeted use of tools such as appraisal interviews, and the consultation and support for our line management.



UFT Tulln



Large image: Muthgasse III



UFT Tulln

BOKU Locations

Over the years, BOKU has not only broadened and developed its areas of expertise and study programmes, but has also expanded its premises with the opening of new sites for research and teaching. Together with the historical site at Türkenschanze, the university now has four sites with more than 115,000 m² of lecture theatres, laboratories, offices, studios and other facilities. In 2011, BOKU will see the completion of new buildings in Vienna and Tulln, adding 15,000 m².

Centrepiece Türkenschanze

Located in the picturesque 18th district of Vienna, Türkenschanze is the centre of BOKU. The site comprises several new and historic buildings that house the university management, central service

units, most of the departments as well as the staff association, the Austrian National Union of Students, the refectory, the kindergarten, a ballroom and numerous lecture halls. The construction of a new lecture hall centre (completion planned for 2013) is to underpin the status of Türkenschanze as the main teaching site.

Technological Centre Muthgasse

The construction of the first building in Vienna's 19th district in the early 1990s marked the beginning of the expansion of BOKU. The Muthgasse site is currently home to several departments, branch offices of some service units and to the Vienna Institute of BioTechnology (VIBT), which combines all areas directly or indirectly pertaining to biotechnology. These areas include, in particular, applied microbiology, nanobiotechnology, food sciences, applied genetics, chemistry and water management – areas that are part of the core competencies of BOKU. The significance of the VIBT for the Austrian research landscape is accounted for by the further expansion of the site (Muthgasse III).

BOKU site Tulln

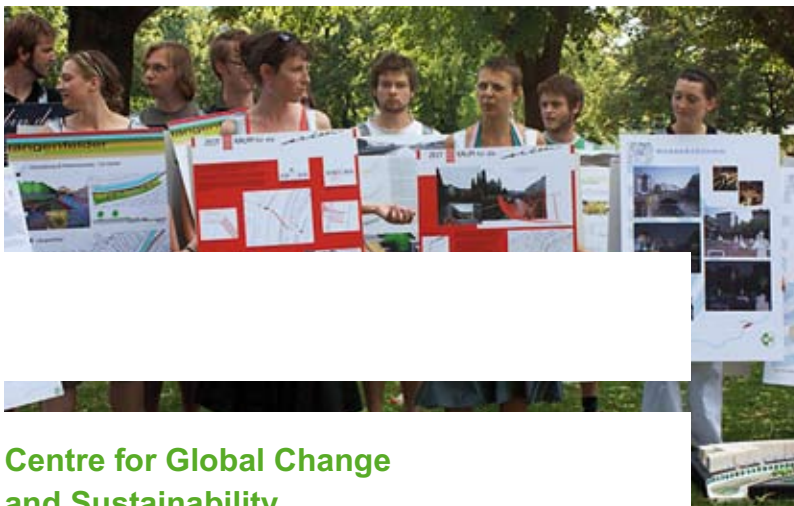
In Tulln, BOKU is conducting research in the area of agrobiotechnology. The main research focuses are the development of new production processes and of new processes for the use of renewable raw materials, environmental engineering and analysis, as well as new biomolecular and biotechnological methods of plant and animal breeding. Currently, only the Department for Agrobiotechnology (IFA Tulln) is located in Tulln. Until 2010, additional institutes and facilities of BOKU Vienna and of the AIT (Austrian Institute of Technology) are to move in; the location will become the University and Research Centre Tulln (UFT). Researchers from BOKU and the AIT will focus on renewable resources, bioresources and on biobased technologies on approx. 17,000 m². Apartments and extensive leisure time facilities in close proximity to the campus make Tulln an appealing location.

External BOKU sites

BOKU has several external sites across Austria which can be used for both teaching and research purposes. These include the Essling landscape research garden, the Jedlersdorf horticulture research

garden and the Großenzersdorf research farm. A forest education centre in the Rosalia mountains is used for collecting material for scientific work as well as for practical work experience for students in the field of forest and wood sciences and for game management. In the 14th district of Vienna, BOKU is managing the "Knödelhütte" research forest which includes an arboretum that is used for tests with native and foreign trees. The Lunz water cluster is located at Lunz am See. This research centre is dedicated to the research of streams. Current research, which is conducted in collaboration with the University of Vienna and the Danube University Krems, deals with the role of microorganisms in the water, with processes in river ecosystems and, ultimately, with the interaction of human beings and water. As part of its research activities, BOKU is also participating in the Sonnblick observatory which continuously measures ozone and UV radiation.





BOKU Initiatives

Besides teaching and research, there are a number of projects and initiatives at BOKU that significantly contribute to the extraordinary atmosphere of the university.

Vienna Institute of BioTechnology

The Vienna Institute of BioTechnology (VIBT) is home to those institutes of BOKU that deal directly or indirectly with this future key technology; this allows to enhance existing synergies and to develop new ones. The spectrum of activities ranges from basic research to sophisticated technology: The combination of life sciences, formal sciences and engineering offers excellent growth prospects.

Centre for Development Research

As a scientific platform, the Centre for Development Research (CDR) is dedicated to the transfer of know-how and technology for sustainable development to Africa, Asia and Latin America, to combat poverty by providing help for self-help. In addition to conducting specific research projects, the CDR is also active in the area of sustainable land and water use; it offers special courses, provides advice on issues pertaining to sustainable rural development and offers a knowledge forum.

Centre for Global Change and Sustainability

The Centre networks with departments, platforms and centres that teach and research in this field (e.g. climate change, solar orientation, biodiversity, sustainable food security concepts, transportation, waste management, water supply and use). Special emphasis is placed on the linking of research, teaching and public relations.

Publications

BOKU publishes the nationwide magazine "Blick ins Land". In order to optimise the flow of internal and external information, BOKU is also editor and publisher of the journal "BOKU-Insight", the graduate magazine "BOKU alumni", the internal newsletter "betrifft:BOKU" and of the brochures "Menschen an der BOKU" and „Die Bodenkultur“.

Coordination Office for Equal Opportunities and Gender Studies

The office provides information about equal opportunities, advancement of women and gender studies to BOKU departments and staff. One example of the work of the office is the internal publication series "Gender-neutrality in languages".

Equal Opportunities Working Group

The Equal Opportunities Working Group is an independent and autonomous organisation that investigates cases of potential discrimination based on sex, age, ethnic origin, religion, worldview or sexual orientation. In addition to providing conflict resolution support, the working group is also dedicated to giving preventive advice and to foster the advancement of women.

EMAS Certification

In 2006, BOKU was the first Austrian and seventh European university to receive the European EMAS certificate for its environmental management system. BOKU is committed to the implementation of environmentally friendly policies - such as the use of recycled paper, ecological detergents and cleaning agents, the increase of electricity from renewable resources and the reduction of water consumption.

Kids' University

BOKU is, in collaboration with other Austrian universities, participating in the project "KinderUni Wien". Children between 7 and 12 years are given insight into the world of science by means of age-appropriate lectures.

Kindergarten & Day Nursery

The kindergarten and day nursery provide professional child care services to children of BOKU students and staff. Both facilities are self-governing associations; the premises are provided by BOKU free of charge.

TÜWI

The TÜWI club is running an inn in the premises of the former "Türkenwirt" which is also used for concerts, parties, language courses and movie nights. The club was founded by BOKU students in 1994 as a forum for interaction, integration and communication.

BOKU Ball

The annual BOKU ball is a social highlight organised by the Austrian National Union of Students at BOKU. Every year, thousands of people from all Austrian federal provinces attend the event at the Vienna Hofburg.

BOKU History

1869

Act of parliament to establish the university

1872

Foundation of the "Hochschule für Bodencultur" in Vienna

1872/1873

Establishment of the Department of Agriculture

1875

Establishment of the Department of Forestry

1883

New study programme "Civil Engineering"

1896

The university moves into the new building at Türkenschanze

1906

The university earns the right to award doctoral degrees

1912

The Adolf von Guttenberg house is incorporated into the university

1914-1916

The university building is used as a military hospital during WWI

1919

The first women are admitted to study at the university

1930

The first university building is extended by the Justus von Liebig house

1931/1932

First female doctoral candidate at BOKU

1938

Imprisonment of the rector, National Socialist Universities Act

1945

Return to the Liberal Universities Act, new study programme "Zymotechnology"

1960

The Wilhelm Exner house is incorporated into the university

1975

The „Hochschule“ becomes the University of Natural Resources and Applied Life Sciences, Vienna

1975

The Franz Schwackhöfer house is incorporated into the university

1981

Appointment of the first female Chair at BOKU

1984

The "Türkenwirt" and the Adolf Cieslar house are incorporated into the university

1987

Opening of the forest education centre in Rosalia

1991

Completion of the university building Muthgasse I in Heiligenstadt

1991

New study programme "Landscape Planning and Management"

1994

Opening of the Centre of Agrobiotechnology in Tulln

1995

Opening of the new university library

1996

Completion of the university building Muthgasse II in Heiligenstadt

2004

Opening of the new and converted Schwackhöfer house

2007

First female rector at BOKU

2009

Completion of the university building Muthgasse III in Heiligenstadt

Departments of BOKU, University of Natural Resources and Applied Life Sciences, Vienna

 **Department of Material Sciences
and Process Engineering**
(Türkenschanze)
www.map.boku.ac.at/127.html

 **Department of Biotechnology**
(Muthgasse)
www.biotec.boku.ac.at/133.html

 **Department of Water, Atmosphere and Environment**
(Muthgasse / Türkenschanze)
www.wau.boku.ac.at/wau.html

 **Department of NanoBiotechnology**
(Muthgasse / Türkenschanze)
www.nano.boku.ac.at/znb.html

 **Department of Chemistry**
(Muthgasse)
www.chemie.boku.ac.at/134.html

 **Department of Integrative Biology
and Biodiversity Research**
(Türkenschanze)
www.dib.boku.ac.at/dib.html

 **Department of Food Sciences
and Technology**
(Muthgasse)
www.dlwt.boku.ac.at/dlwt.html

 **Department of Landscape, Spatial
and Infrastructure Sciences**
(Türkenschanze)
www.rali.boku.ac.at/rali.html

 **Department of Economics and Social Sciences**
(Türkenschanze)
www.wiso.boku.ac.at/sowire.html

 **Department of Sustainable Agricultural Systems**
(Türkenschanze)
www.map.boku.ac.at/125.html

 **Department of Civil Engineering and Natural Hazards**
(Türkenschanze)
www.baunat.boku.ac.at/129.html

 **Department of Forest and Soil Sciences**
(Türkenschanze)
www.wabo.boku.ac.at/start.html

 **Department of Applied Plant Sciences
and Plant Biotechnology**
(Türkenschanze)
www.dapp.boku.ac.at/124.html

 **Department for Agrobiotechnology**
(IFA-Tulln)
www.ifa-tulln.boku.ac.at/122.html

 **Department of Applied Genetics and Cell Biology**
(Muthgasse)
www.dagz.boku.ac.at/dagz.html





BOKU Services A to Z

Alumni Association
www.alumni.boku.ac.at

Equal Opportunities Working Group
www.boku.ac.at/gleichbehandlung.html

Occupational Health
brigitte.menz@boku.ac.at

Bologna Coordination
www.boku.ac.at/senat.html

BOKU4YOU – Information Centre for Pupils and Grammar School Graduates / A-Level Leavers
www.boku4you.at

BOKU Choir
<http://bokuchor.boku.ac.at/>

BOKU Counselling
Monsignore Mag. Helmut Schüller, h.schueller@edw.or.at

Centre for Development Research
www.boku.ac.at/dev-forum.html

Facility Management
www.boku.ac.at/tgm.html

Finance Office
www.boku.ac.at/finanz.html

Research Support Office
www.boku.ac.at/fos.html

Public Relations & Media Information
www.boku.ac.at/oeffentlichkeitsarbeit.html

Austrian National Union of Students at BOKU
<http://oeh.boku.ac.at>

Human Resource Management and Personnel Development
www.boku.ac.at/pers.html

Employee Representation / Staff Association
www.boku.ac.at/br.html

Quality Management
www.boku.ac.at/qm.html

Legal Advice Centre
www.boku.ac.at/recht.html

Senate Study Commission
www.boku.ac.at/2664.html

Strategic Controlling & Investment Management
www.boku.ac.at/14033.html

Registration Office
www.boku.ac.at/studek.html

TÜWI – Inn, Culture and Communication Centre
<http://tuewi.action.at>

University Library
www.boku.ac.at/bib.html

Event Management
www.boku.ac.at/vm.html

Toddler and Children Group Association at BOKU
<http://kindergruppen.boku.ac.at>

Centre for International Relations
www.boku.ac.at/zib.html

Centre for Education
www.boku.ac.at/lehre.html

Centre for IT Services
www.boku.ac.at/zib.html

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