ERUA
European Reform
University Alliance

What is a
Reform University
Today?

Part II
Research

What is a Reform University Today?

Reform and Research

The purpose of reform universities is not only to transform higher education, but also to renew research. Their role has especially been to challenge narrow disciplinary research and open up new forms of collaboration between disciplines as well as with the rest of society. Since the 1960s reform universities have therefore also introduced new ways of organizing research, which cut across disciplinary divisions, opened up the university to the outside world, and enabled researchers to address contemporary challenges. In addition, they have prioritized fields of research that were socially relevant and/or had not been prioritized at traditional universities. This second part of the report investigates how these priorities are reflected in the macrostructures of research of the ERUA universities today.

Organisation of Research

When UKON was founded in 1966, research was not only organized in departments/"disciplinary areas," but also in units, partly independent of the educational structure (Dahrendorf 1966). Temporary working groups and larger more permanent research centers should allow researchers to address pressing contemporary issues, drawing upon the expertise of several disciplines. A similar organization of research, which allows collaboration across departmental and disciplinary boundaries, still exists at most ERUA universities.

Organisational Models

The organisation of the ERUA universities has already been discussed under Organisation of Education in the first part of the report. Below and beyond these organizational units, the universities have also all introduced different units, which

organize research. For a full overview of these organisational units and links to descriptions of their activities, see also the appendices 8 and 9.

UKON today operates with professorships, with associated ph.d. students, assistants, and post.docs, as well as groups and centers, under each department/"disciplinary area". The university also has several interdisciplinary clusters of excellence, collaborative research centers, research centers, research groups, and research training groups, graduate schools as well as associated institutes. In addition, Konstanz has the *Zukunftskolleg* (Institute for Advanced Study for Junior Researchers), which supports early career researchers across different fields.

Paris 8 has 33 laboratories (research units and joint research units) all are independent, connected with external institutions (other universities, the French National Center of Scientific Research - CNRS) as well as other independent research structures (e.g. scientific interest groups) connected with one of Paris 8's laboratories and other external research structures. The doctoral schools are based on several laboratories (UR and UMR) sharing the same wide field of disciplines.

RUC has several research groups and centers, under each of its four departments/"institutes." Apart from these, the university has some centers that are not connected to specific educational units, but reflect university priorities and support interdisciplinary research. The university also has four doctoral schools for its four departments/"institutes."

Research at UAegean is organized in departments that are located under each of its six schools. The schools are placed on six different islands in the Aegean Sea. These departments have several laboratories/research groups in which the research is conducted. The departments where research is conducted are the same departments that constitute the educational framework.

Research at NBU is organized primarily at a department level. Many of the departments are supported by research laboratories or other units for applied research – 18 in all. Scholars with excellent performance in research may establish research centers, where the workload is predominantly scientific and not predominantly

teaching and administration as in departments. At the present moment there are six such centers. Ad hoc projects and interdepartmental research collaborations are supported by the Strategic Development Fund.

Conclusion

At two of the universities, Paris 8 and NBU, research and education are organized in parallel structures. At Paris 8 through a distinction between educational units and laboratories, groups, and centers. At NBU through a division between schools, which are responsible for education, and departments, laboratories, and centers. RUC and UKON also have an independent research organisation, through centers, clusters of excellence, and similar, which are not connected to specific educational units. These are supposed to combine insights from different parts of the universities on specific topics and problems. However, most of the research units, centers, research groups, and professorships are connected to the same organisational units that are also responsible for education. The same is the case at UAegan, where laboratories are part of specific departments.
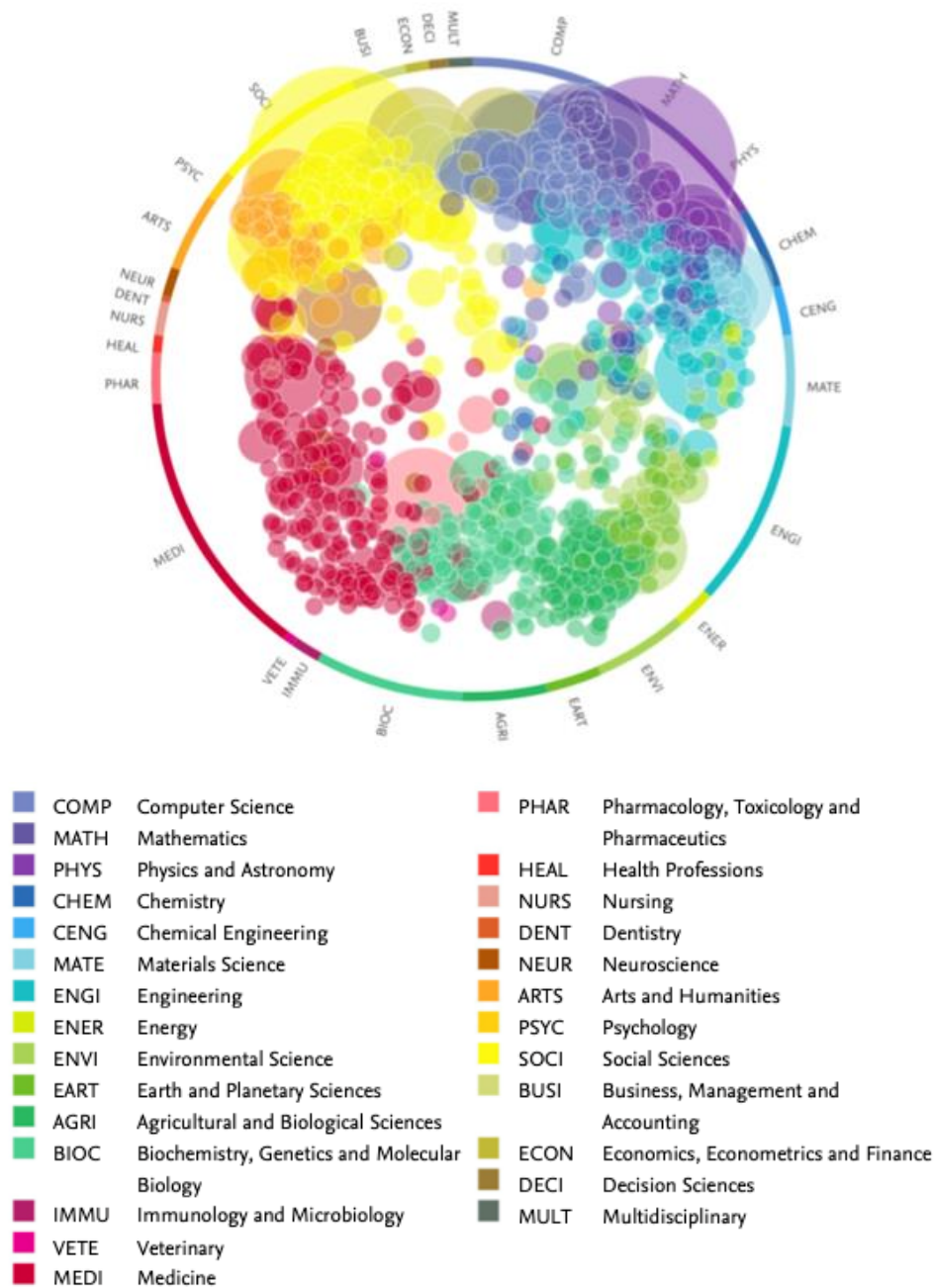
Research Profile

The following analysis is based upon Scopus data (June 2021). This dataset prioritizes publications in English language journals at the expense of books as well as publications in other languages. For the ERUA universities, which are particularly strong in the humanities and social sciences as well as in research that engages with local communities, this may give a somewhat inaccurate impression of the research output. It may also prioritize Nordic and Western European countries, at the expense of Eastern European Countries that in the humanities and social sciences tend to publish more in national languages (Kulczycki et al., 2018). However, the Scopus data allow for a first overview, which can be further investigated and qualified in later reports.

Research Fields

The publication profile of the ERUA universities is similar to the educational profile. In the following table, the distribution of publications of the ERUA universities has been compared to the normal distribution of publications in the Scopus database (on the methodology, see also Hansson et al. 2019, 75). Compared to other institutions, the ERUA universities have a larger share of their publications in the humanities and social sciences, including the fields described as human sciences and business studies in the first part of the report, and a smaller share of their publications in medical sciences and engineering/technical sciences, here not including computer and information sciences. This indicates a high degree of specialisation within and across the alliance. However, the degree of specialisation is smaller at UAegean and UKON than at Paris 8, RUC, and NBU. More differences appear when you look at the distribution of publications between subfields, see under Research Subfields below.

Specialisation per FORD main research area, 2010-2020
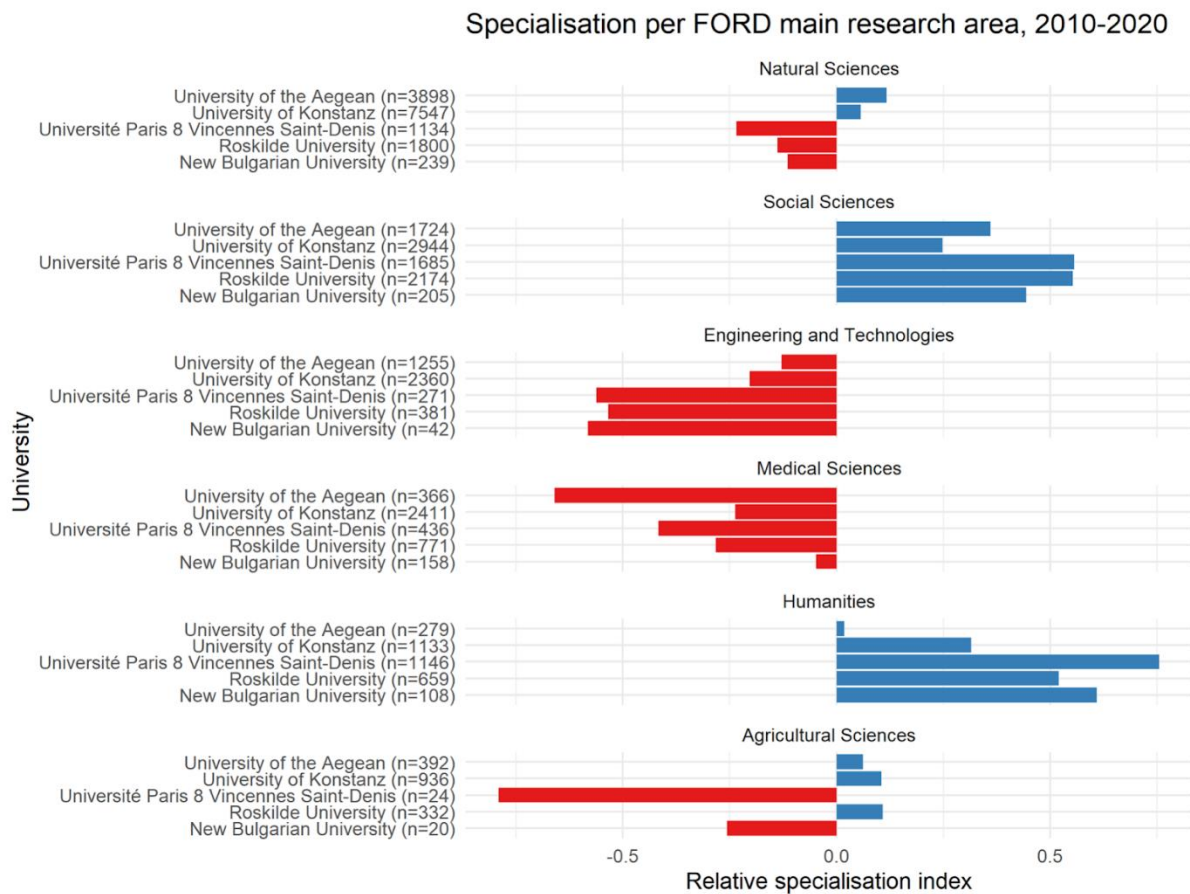
The picture is confirmed if you look at specific topics on which ERUA researchers publish, as shown in the graph below. The natural sciences here appear more significant, because of the high publication volume. The human and social sciences and the biological and environmental sciences are still prominent. The contributions to medical science are interdisciplinary, as indicated by their position closer to the middle of the graph below, and engineering/technical sciences are limited, apart from computer and information science, and also largely interdisciplinary.

|				
COMP	Computer Science		PHAR	Pharmacology, Toxicology and Pharmaceutics
MATH	Mathematics		HEAL	Health Professions
PHYS	Physics and Astronomy		NURS	Nursing
CHEM	Chemistry		DENT	Dentistry
CENG	Chemical Engineering		NEUR	Neuroscience
MATE	Materials Science		ARTS	Arts and Humanities
ENGI	Engineering		PSYC	Psychology
ENER	Energy		SOCI	Social Sciences
ENVI	Environmental Science		BUSI	Business, Management and Accounting
EART	Earth and Planetary Sciences		ECON	Economics, Econometrics and Finance
AGRI	Agricultural and Biological Sciences		DECI	Decision Sciences
BIOC	Biochemistry, Genetics and Molecular Biology		MULT	Multidisciplinary
IMMU	Immunology and Microbiology			
VETE	Veterinary			
MEDI	Medicine			

Topic Clusters 2015-2019. All ERUA universities.

Research Subfields

There is more variation in the distribution of publications within the FORD main research areas between the different ERUA universities. These differences mirror the variations in educational profiles, discussed in the first part of the report.

In the natural sciences, UKON and RUC have the highest number of publications in the biological sciences, while UAegean and Paris 8 have the highest number of publications in computer and information sciences. However, UKON and RUC also have a strong presence in computer and information sciences, and UAegean also has a strong presence in biological sciences. Paris 8 has very few science publications outside the field of computer and information science and mathematics. Because of the higher number of publications at UKON, the university is strongly represented in all fields. All 4 universities have a presence in mathematics. The numbers are too small and the annual variations too big at NBU to draw any clear conclusions.

Natural Sciences research area per university, 2000-2020
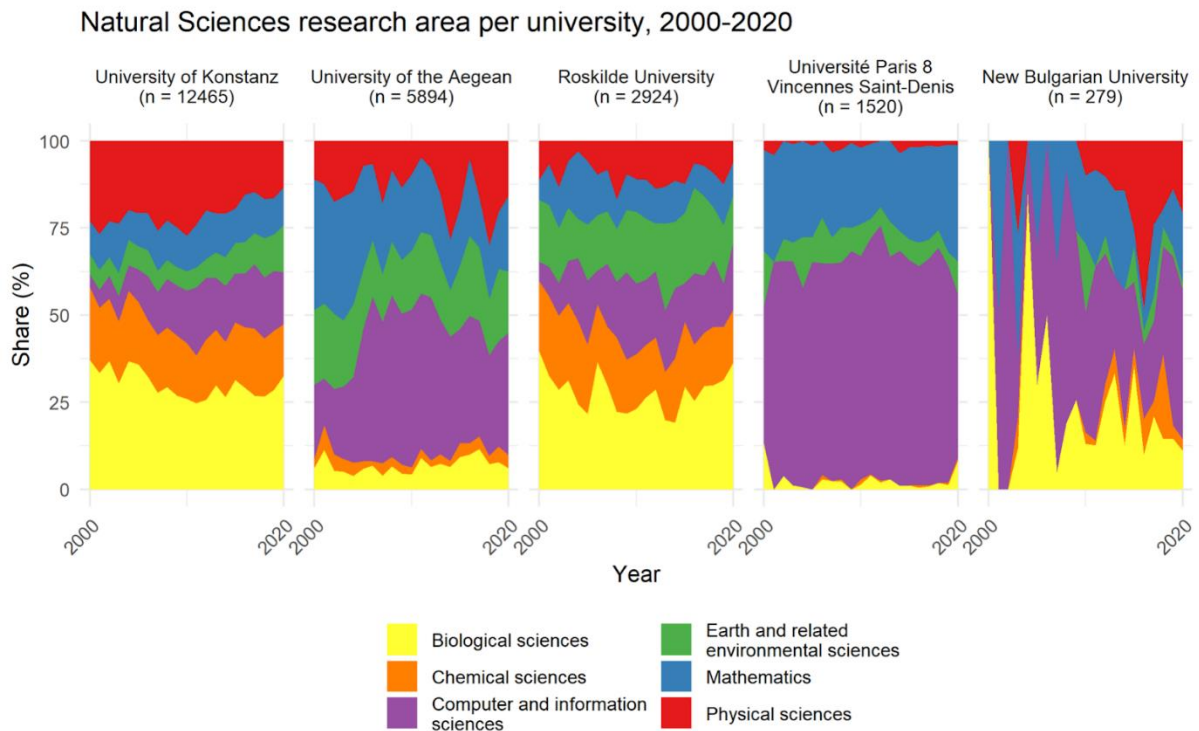
The social sciences contain many of the fields, which in the educational overview were described as human sciences and business. UKON and Paris 8 have a particularly strong profile in psychology and cognitive science, while UKON, RUC, and UAegean

have a particularly strong profile in economics and business. There is a shared interest between RUC, UAgean and Paris 8 in geography and between UKON, RUC, and Paris 8 in sociology and, to a lesser extent, between all four universities in political science. Again, the numbers are too small and the variation too big at this level to draw any conclusions for NBU.

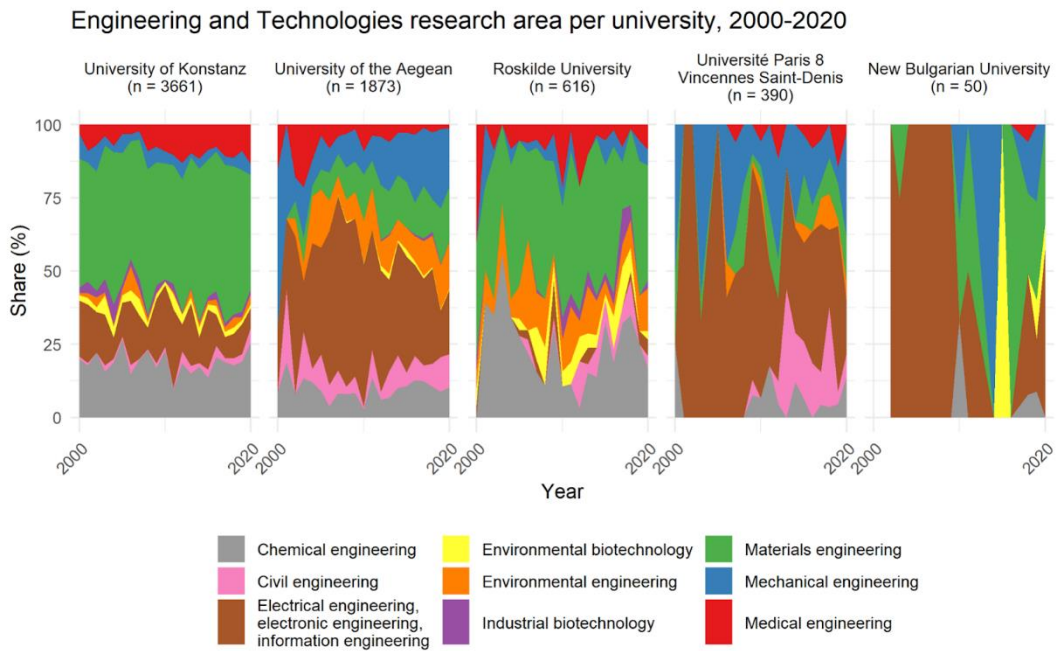Social Sciences research area per university, 2000-2020
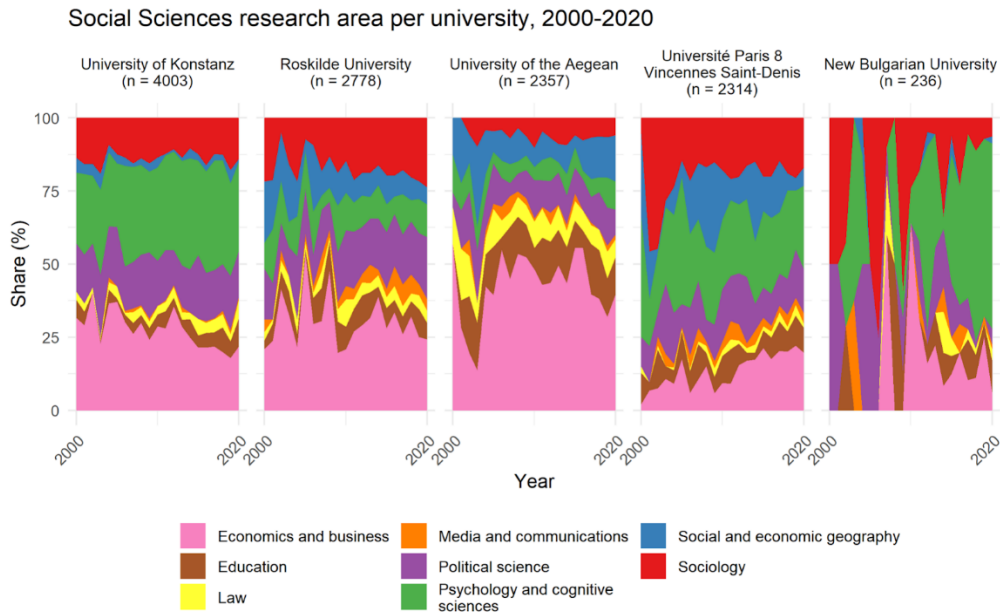
In medicine, there is a shared interest between UKON, RUC, and UAgean in basic medicine, reflecting their profile in biological and life sciences, and a presence of UKON, RUC, Paris 8 in clinical medicine. The numbers are too small to draw clear conclusions for NBU.

Medical Sciences research area per university, 2000-2020
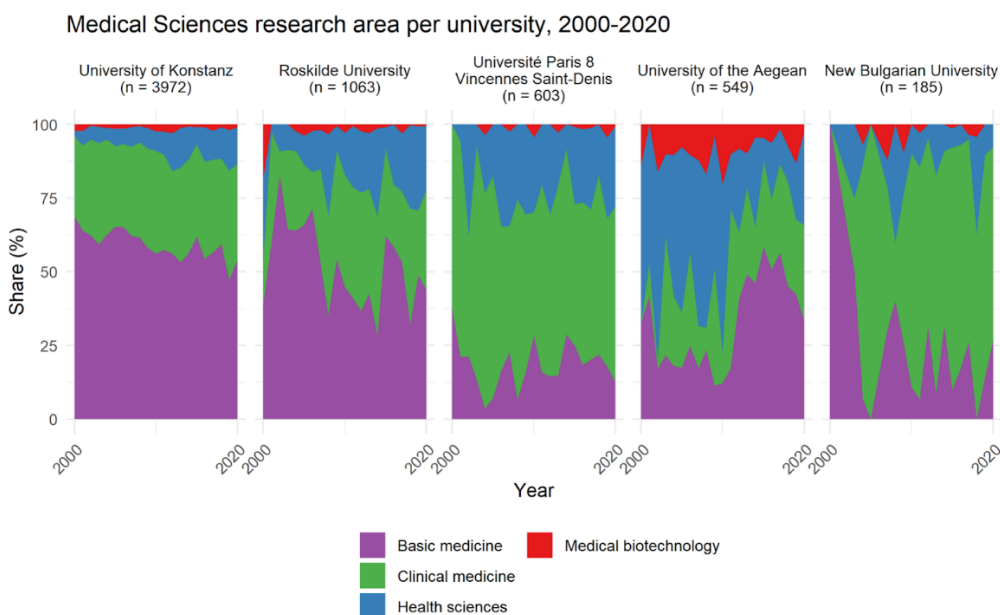
In engineering/technical sciences, there is a shared interest between UKON, UAegean, and RUC in materials engineering and chemical engineering, between UKON, UAegean, and Paris 8 in electrical, electronic, and information engineering. Again, numbers are too small and the annual variations too big to draw clear conclusions for the NBU.

Engineering and Technologies research area per university, 2000-2020

In the humanities, there is a shared interest in languages between UKON and Paris 8, reflecting their educational profile, as well as a shared interest between UKON, UAegean, Paris 8, and RUC in history and philosophy. The numbers are too small and the annual variations too big to draw clear conclusions for NBU.

Humanities research area per university, 2000-2020
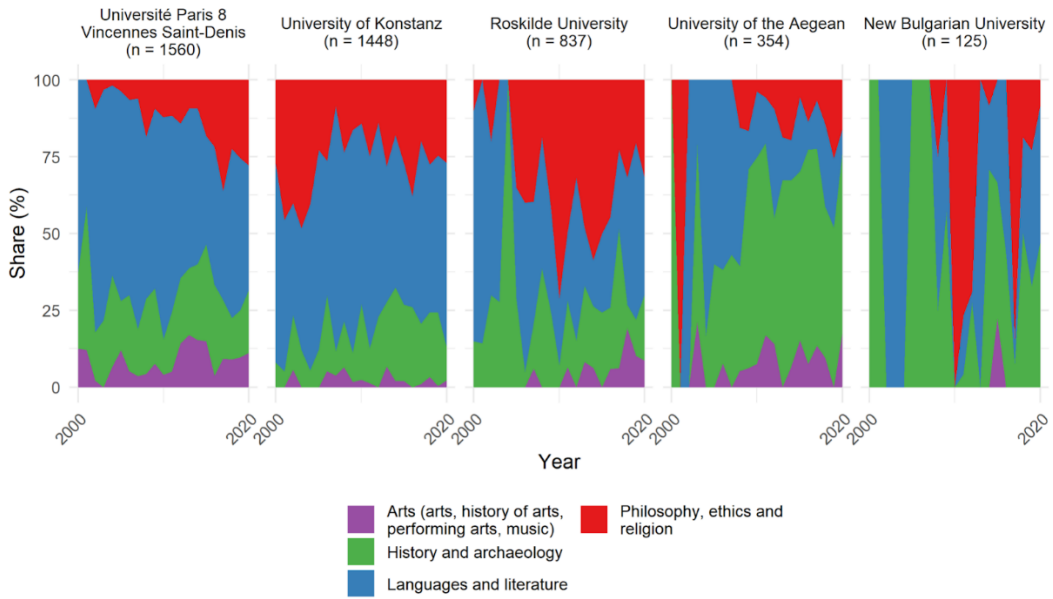
Finally, in agricultural sciences, there is a shared interest between UKON, UAegean, and RUC in the field of agriculture, forestry, and fisheries, again reflecting the interest in biological and life sciences. The field is almost non-existent at Paris 8 and NBU.

Agricultural Sciences research area per university, 2000-2020
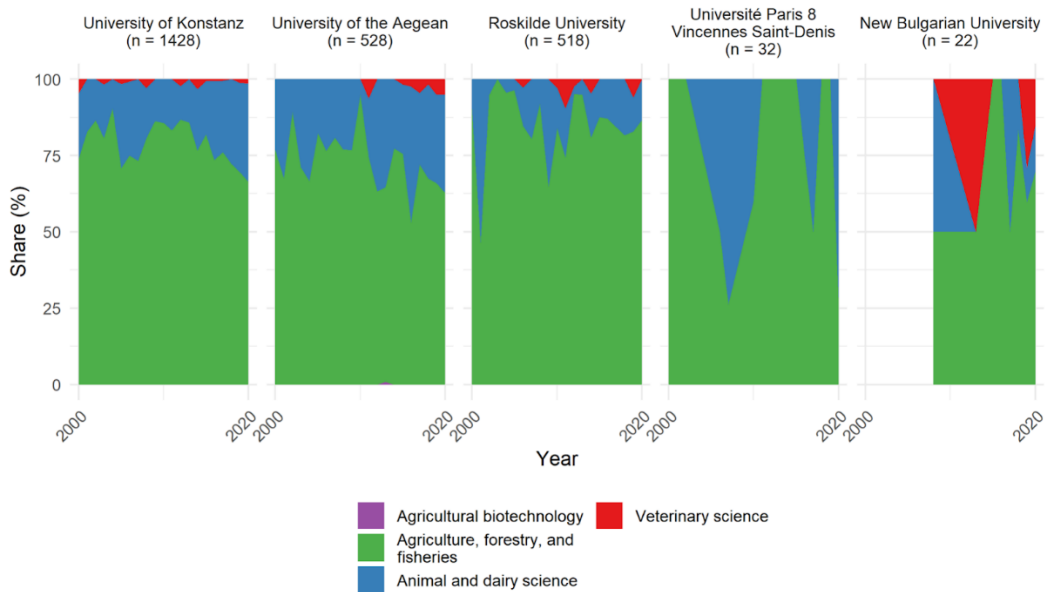
Research Impact

In volume of publications, UKON outnumbers the other universities, which reflects a higher number of researchers as well as higher level of research funding. However, the relative citation impact of publications is similar to UAegean and RUC. The citation impact of publications at Paris 8 and NBU is somewhat lower than the other universities, but similar to one another. In the graph below, the numbers are weighted according to fields, so these differences cannot be explained with differences in research specialization. Score 1 is the average impact of all publications weighted according to field.

Field-Weighted Citation Impact, 2000-2020
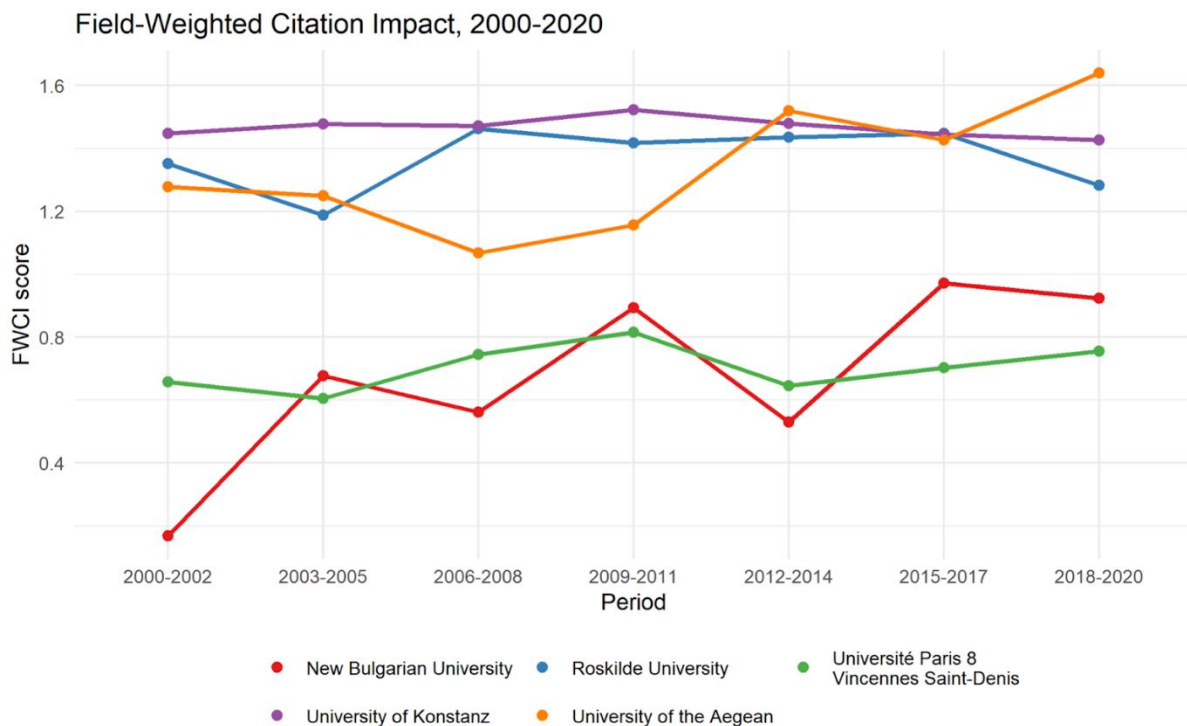
A similar image emerges if one compares the output of the universities according to journal impact, weighted according to fields. Researchers at UKON, UAegean, and RUC are primarily publishing in the top 50% journals in their field. The average is lower at Paris 8 and NBU.

Share of publications per Journal quartile by SNIP*, 2000-2020
*Source Normalized Impact per Paper
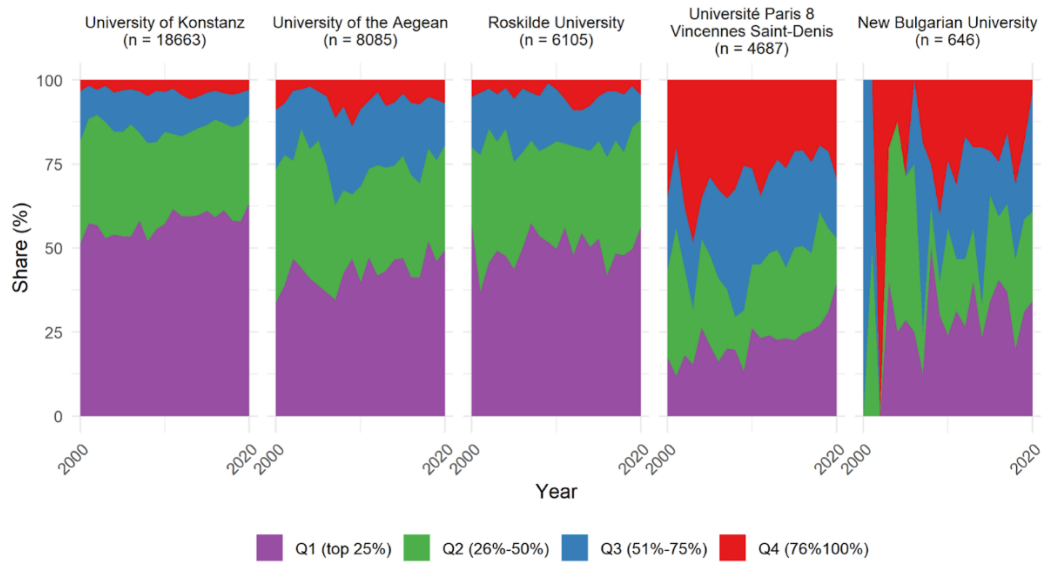
The impact of research does not change significantly according to fields of specialisation or publication volume. The latter is indicated in the graph below by the size of dots, indicating the relative share of publications at that university. The ERUA universities have approximately the same relative impact across the different fields.

Specialisation vs. FWCI per FORD main research area, 2010-2020
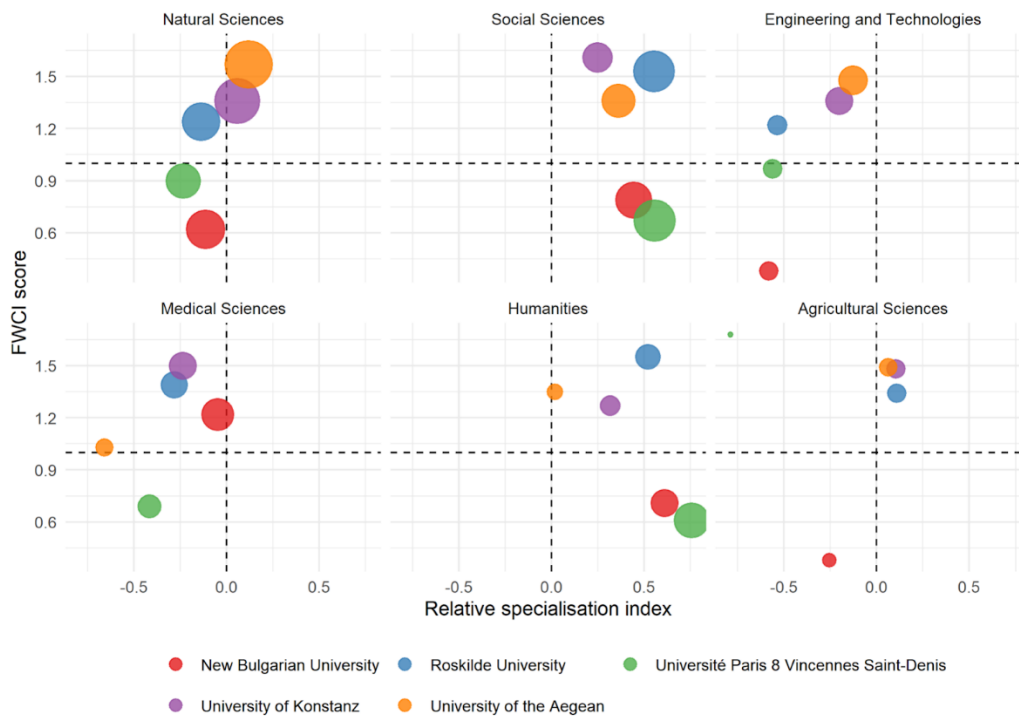
Research Funding

The following is based upon funding from the Horizon 2020 program. It has not been possible for this first report also to include information about national and private funding. This may change the overall picture of the universities relative strengths and ability to attract funding. The distribution depends upon the priorities of the Horizon 2020 program and the match between these priorities and the profiles of the ERUA universities. However, the Horizon 2020 program allows for a first overview, which can be further investigated in later reports.

Horizon 2020

The following table presents the five alliance members repatriation of Horizon 2020 funding, divided after programs. Horizon 2020 is so far the largest research and innovation program in the EU, with almost 80 billion € available for funding, since 2014. The table compares how many projects have been funded by Horizon programs, the amount in € and the percentage that each program constitutes of the university's overall repatriation of Horizon 2020 funding (eCORDA). It shows that UKON by far repatriates most funding from Horizon programs, with an overall funding of over 30 million €. On the other hand, Paris 8 has 3 Horizon funded projects with a total amount of 545.032€. The Societal Challenges program is the most popular program for all universities except Konstanz, constituting over half of the 4 other universities repatriation of Horizon funding. For a full list of Societal Challenges projects supported by the Horizon 2020 program with ERUA involvement, see also appendix 10. The main reason for UKON's major Horizon funding is its success in applying to the "Excellent Science" program, with 39 Horizon projects under this program.

The ERUA partners recently fortified their collaboration with the project "Research and Engagement for the European Reform University Alliance (re:ERUA)." This achievement has not been yet registered in the table below, which only includes signed contracts for Horizon2020 projects by June 2021.

		Roskilde	Konstanz	Paris 8	NBU	UAegean
Societal Challenges	Percentage of EC-contribution	75,2%	19,8%	53,0%	75,7%	77,1%
	EC-contribution €	4,917,043	6,017,63	288,817	988,025	6,207,906
	Projects	15	13	2	6	14
Excellent Science	Percentage of EC-contribution	22,2%	75,6%	47%	20,1%	11,1%
	EC-contribution €	1,450,166	22,979,272	256,214	262,000	890,422
	Projects	5	39	1	3	3
Industrial Leadership	Percentage of EC-contribution		4,6%			8,5%
	EC-contribution €		1,395,011			681,875
	Projects	1	3			3
Science with and for Society	Percentage of EC-contribution				4,2%	1,4%
	EC-contribution €				54,716	113,439
					1	2
Spreading Excellence and Widening Participation	Percentage of EC-contribution	2,6%				2,0%
	EC-contribution €	172,794				159,181

	Projects	1				1
Total	Percentage of EC-contribution	100%	100%	100%	100%	100%
	EC-contribution in €	6.540.003	30.392.045	545.032	1.304.741	8,052,824
	Projects	22	55	3	10	23

Conclusion. Part II

All of the ERUA universities have organisational units, centers, groups, laboratories, etc, that are responsible for research. Many aim at fostering interdisciplinary research and collaboration across the universities as well as with external partners. Many are oriented towards contemporary problems and challenges. Otherwise conclusions about the research profile can only be preliminary. They are based upon Scopus and Horizon2020 data, which only allowed for a limited view of research output and research funding. However, based upon this data and compared to other institutions, the ERUA universities appear to have a particular strength in the humanities and social sciences and, for UKON and UAegean, also in the natural sciences. Contributions to medical sciences are limited, mostly interdisciplinary and/or to basic medicine, based upon the strength of the ERUA universities in the life sciences. Contributions to engineering/technical sciences are also limited compared to other institutions. However, it should be noted that computer and information sciences, where the universities are particularly strong, in this survey are counted among the natural sciences. UKON has a higher publication volume than the other partners. However, when it comes to citation impact and publication patterns, the universities are similar. UKON, RUC and UAegean are very close to one another. The same is the case for Paris 8 and NBU. When it comes to research funding from Horizon2020, the preferred source of most of the ERUA universities is the Societal Challenges program. UKON stands out with a large number of projects from the Excellent Science program.

Conclusion. Part I and II

The reform universities of ERUA were all created as alternatives to the traditional universities of their countries. They were not just expansions of the existing system of education, but should solve problems that other universities did not. They were created as places of experimentation and renewal. They should give space to new academic developments and new pedagogies, and bring higher education to new places. Because they emerged as answers to local problems and challenges and at different times, they are also very different. Different answers are needed if one wants to renew an overspecialized German academic system in the 1960s, to bring higher education to Greek islands in the periphery of Europe in the 1980s, or to reform a postcommunist academic system in Bulgaria in the 1990s. However, despite these differences, there are also clear similarities between the universities of ERUA. These similarities are the results of the wish for renewal and a keen interest in contemporary challenges.

The ERUA universities all have challenged how universities are organized. Instead of the traditional structure of faculties and departments, they have introduced new ways to ensure collaboration, interdisciplinarity, and societal engagement. They have educational units that bring several disciplines together, and research centers and groups that connect scholars across disciplinary boundaries. They have introduced new institutional innovations that connect the university to society at large and enable the co-production of knowledge. They have also introduced new educational formats that bring the study experience into relation to the rest of the world. Beyond the normal coursework, students are encouraged and enabled to acquire skills and qualifications that can enrich their personal lives and prepare them for future careers.

The primary focus of the ERUA universities is the liberal arts in the humanities, social sciences, and natural sciences as well as, at Paris 8, the fine and performing arts. Unlike many liberal arts institutions, however, they have a strong interest in applied fields and in studies of immediate relevance to the contemporary world. They are cultivating fields, such as political science and public administration, the human sciences, computer and information sciences, life sciences and environmental studies, and business and management studies.

So, to return to the original question of this report, what is a reform university today? The reform universities were all created as transformative institutions, as places for experiments and renewal. They remain so today and are still developing. However, the many experiments since the 1960s have also resulted in similar outcomes. A reform university today is a university, which not only contributes to human understanding at the forefront of research, but also is engaged with the world and focused on contemporary problems and challenges. To address these problems and challenges, the university brings together academics and students from different disciplines and connects them with the rest of society. Finally, it is a place that helps students develop, not only as academics, but also as human beings and citizens.

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Appendixes

1. Overview of Macrostructures of Education
2. General Education Knowledge Courses at NBU
3. Arts and Sports Courses at NBU
4. Detailed Overview over Bachelor Programs at Paris 8
5. Overview of Bachelor and Master Degrees
6. Open Laboratories
7. Collaboratories
8. Overview of Macrostructures of Research
9. Overview of Professorships at UKON
10. Research Projects under Horizon 2020. Societal Challenges.

Appendix VIII

Overview of Macrostructures of Research

Research Structure at ERUA-universities

The purpose of this document is to map current research structures of the ERUA universities, through a schematic presentation and an overview of departments, research centres, and research groups. As the universities have different structural set-ups, it is not possible to create identical maps. However, the map of the universities follow an overall structure, with columns that present the various departments at the respective university, and the different research centres and groups that belong under them. If possible the unit has a cyberlink that leads to the webpage of the particular centre or group.

Organization of research departments (institutter[1]), centres and groups at Roskilde University							
Department of Communication and Arts (DCA) (Institut for Kommunikation og Humanistisk Videnskab)		Department of People and Technology (DPT) (Institut for Mennesker og Teknologi)		Department of Science and Environment (INM) (Institut for Naturvidenskab og Miljø)		Department of Social Science and Business (DSSB) (Institut for Samfundsvidenskab og Erhverv)	
Centres	Groups	Centres	Groups	Centres	Groups	Centres	Groups
Centre for News Research (In danish)	Audiences & Mediated Life Dialogical Communication Global and Trans-national History Journalism and Democracy Intercultural Studies Media and Culture Language, Culture and Cognition Public	Centre for Action Research and Democratical Societal Change Centre for Working Life Research (In danish) The Danish Centre for Research in Early Childhood Education and Care Centre for Maritime and Marine Research Centre for Organisational	Working Life Childhood, Youth and Family Life Research Sustainable Digitalization Critical University Studies Gender, Body and Everyday Life METRIK Organisation, Ethics & Social Sustainability	Glass and Time Centre for Frustrated Molecular Interactions PandemicX Centre Centre for Mathematical Modeling - Human Health and Disease	Chemistry Mathematics and Physics (IMFUFA) Environmental Dynamics Molecular and Medical Biology	Centre of African Economies Centre for Arctic Studies at RUC Centre for Gender, Power and Diversity (In danish) Centre for research of Public-Private Collaboration Centre for Tourism Research VELNET - The Danish National Network for Welfare	Changing Societies: Welfare and Diversity Economic Policy, Institutions and Change Globalization and Europeanisation Global Political Sociology Innovation in Services and Experiences International Development

[1] Danish word. Cannot be translated to the english word "institutes". Most equivalent to "faculties", although translated officially by Roskilde University to "departments"

	Communication Organizing Communication and Digitization Communication, Journalism and Social Change Research Group for Criminal Justice Ethics Language & Learning Science Studies Visual Culture and Performance Design Memory and Uses of Pasts Aesthetic Culture Centre for Digital Citizenship	Psychology Centre for Social Entrepreneurship Research Centre in Health Promotion Centre for Nature and National Park Research (In danish)	Programming, Logic and Intelligent Systems Space, Place, Mobility and Urban Studies Subject, Technology and Social Practice Health Promotion and Health Strategies Education, Social Inclusion and Business			State Studies Research Centre for Life with a Mobility Disability	Research Group Management and Organisation Power, Identity and Critique Roskilde School of Governance Social Dynamics and Change Transformation and Ordering of Political Institutions National Network of Welfare Studies
Not under any department	*Research centres*: Centre for Interdisciplinary Research and Education in Circular Economy and Sustainability - CIRCLES Centre for Research on Problem-oriented Project Learning Centre for Big Data, Centre for Investigative Journalism Centre for Virtual Learning Technologies						

Organization of research faculties (Sektionen), departments (Fachbereiche), groups and professorships[2] at Konstanz University														
Section 1: Faculty of Sciences							**Section 2: Faculty of Humanities**				**Section 3: Faculty of Politics, Law and Economics**			
Departments							**Departments**				**Departments**			
Mathematics and Statistics	Computer and Information Science	Physics	Chemistry	Biology		Psychology	Philosophy	History, Sociology, Sport Science and Empirical Educational Research	Literature, Art and Media Studies	Linguistics	Politics and Public Administration	Law		Economics
9 Groups and Professorships	16 Groups and Professorships	16 Groups and Professorships	18 Groups and Professorships	29 Groups and Professorships	1 Research Center	9 Groups and Professorships	6 Groups and Professorships	30 Groups and Professorships	14 Groups and Professorships	12 Groups and Professorships	19 Groups and Professorships	18 Groups and Professorships	5 Research Centers	25 Groups and Professorships
					Bioimaging Centre						Center for data and methods		Institute for legal fact research Research Centre Immigrati	

												on & Asylum Law (FZAA) Constance Seminar on Legal Development Law Study Society Konstanz Konstanzer Inventar	
Interdisciplinary Research Institutions - not under any department	**Clusters of Excellence** Centre for the Advanced Study of Collective Behaviour The Politics of Inequality **Collaborative Research Centres (CRC)** Anisotropic Particles as Building Blocks: Tailoring Shape, Interactions and Structures Fluctuations and Nonlinearities in Classical and Quantum Matter beyond Equilibrium Chemical and Biological Principles of Cellular Proteostasis Quantitative Methods for Visual Computing **Research Groups** Media and Participation. Between Demand and Entitlement Questions at the Interfaces German-Austrian(-Swiss) International Research Group "New Insights into Bcl-2 family interactions: from biophysics to function" **Research Centres** Center for Alternatives to Animal Testing - Europe (CAAT-Europe)												

Centre for Cultural Inquiry
Centre for Multilingualism
Centre for Quantitative Methods and Survey Research
Centre for Applied Photonics (CAP)
Forschungsinstitut Gesellschaftlicher Zusammenhalt (FGZ)
Dr. K. H. Eberle Research Centre "European Cultures in a Multipolar World"

Associated Institutes
TWI Thurgauer Wirtschaftsinstitut
Lurija-Institut
Biotechnologie Institut Thurgau

Research Training Groups
Integrated Research Training Group within CRC 1214 "Anisotropic Particles as Building Blocks: Tailoring Shape, Interactions and Structures"
Integrated Research Training Group within TRR 161 "Quantitative Methods for Visual Computing"
Integrated Research Training Group within CRC 1432 "Fluctuations and Nonlinearities" (FaN)
GRK 2272: Research Training Group "R3 - Responses to Biotic and Abiotic Changes, Resilience and Reversibility of Lake Ecosystems"

Institutions in the Context of supporting early Career Researchers
Zukunftskolleg
Graduate School of Decision Sciences
Graduate School of the Social and Behavioural Sciences
Konstanz Research School Chemical Biology (KoRS-CB)
Graduate Research Programme »Changing Frames«

For the research profile of the University of Konstanz, see also https://www.uni-konstanz.de/en/research/research-profile/

Organization of Educational and practical research units (EPRU) at New Bulgarian University, managed by Departments[3]										
Department of Cognitive Science and Psychology (DCSP)		Department of Archeology (DArch)	Department of Art History and Cultural History (DAHCH)	Department of Administration and management (DAM) and Economics Department (ED)	Department of Philosophy and Sociology (DPhS)	Department of Health Care and social work (DHSW)	Department of Cinema, Advertising and Show Business (DCAShB), together with Department of Anthropology (DAnth)	Department of History (DH)	Department of Informatics (DI)	Department of Political Science (DPS)
Labs	Centres	Labs	Centres	Trainings	Centres	Centres	Centres	Centres	Labs	Labs

[3]*All labs or centres, that don't have own page could be found on the following link, with a short brief of their characteristics:* https://nbu.bg/bg/za-nbu/izsledvaniq-i-uslugi/uchebno-prakticheski-i-izsledovatelski-zvena-kym-departamentite-na-nbu :

LABORATORY OF EXPERIMENTAL PSYCHOLOGY LABORATORY OF NEUROSCIENCES LABORATORY FOR RESEARCH OF DECISIONS AND BEHAVIOR / DECISION LAB / LABORATORY "ARTIFICIAL COGNITIVE SYSTEMS" CHILDREN'S DEVELOPMENT LABORATORY	KNOW-HOW CENTER FOR ALTERNATIVE CHILD CARE	LABORATORY OF ARCHEOMETRY AND EXPERIMENTAL ARCHEOLOGY	NBU MUSEUM WITH DOCUMENTATION AND COMPARATIVE RESEARCH CENTER CENTER "BULGARIAN-EUROPEAN CULTURAL DIALOGUES"	TRAINING COMPANY	Center for the study of European values (virtual)	CENTER FOR THERAPY OF COMMUNICATIVE AND EMOTIONAL-BEHAVIORAL DISORDERS	"CENTER FOR VISUAL ANTHROPOLOGY"	PROF. PLAMEN S. TSVETKOV, (VIRTUAL)	LABORATORY FOR DIGITAL INNOVATIONS	LABORATORY FOR PUBLIC POLICIES (VIRTUAL/online)

Not under any department	*Research Institutes or Centers*: COMPUTER AND APPLIED LINGUISTICS RESEARCH CENTER BULGARIAN INSTITUTE OF EGYPTOLOGY COGNITIVE SCIENCE RESEARCH CENTER INSTITUTE FOR MODERN PHYSICAL RESEARCH MEDITERRANEAN AND EASTERN RESEARCH CENTER BULGARIAN INSTITUTE FOR PERSONAL RELATIONS SOUTHEAST EUROPEAN CENTER FOR SEMIOTIC RESEARCH

Organization of Educational and practical research units (EPRU) at New Bulgarian University, managed by Schools[4]							
School of General Studies		**School of Undergraduate Studies**		**School of Graduate Studies**		**School of Distance, Digital and Continuing Education**	**School of Professional and Continuing Learning**
Labs	*Studios*	*Labs*	*Centres and Studios*	*Labs*	*Centres*	*Labs*	*Centres*
APPLE Laboratory	CERAMICS STUDIO EXPERIMENTAL ART STUDIO IN FASHION	ANIMATED CINEMA LABORATORY/ Cartoon laboratory GEOLOGY LABORATORY GRAPHIC DESIGN LABORATORY	EDUCATIONAL-PRACTICAL AND RESEARCH CENTER FOR COMPUTER MUSIC AND SOUND DESIGN "STANISLAV STANCHEV-STANLEY" RADIO STUDIO UNIVERSITY FILM CENTER RADIO AND TV CENTER, NBU	LABORATORY OF MARINE BIOLOGY LABORATORY FOR SEMIOTIC AND SOCIOLOGICAL RESEA	STUDENT PSYCHO-SOCIAL CENTER NBU DOCTORAL SCHOOL	Laboratory for linguistic technologies	FRANCOPHONE CENTER FOR ACADEMIC ACHIEVEMENTS

		LABORATORY FOR NATURAL DISASTERS AND RISKS LABORATORY OF PHOTOGRAPHY		RCH			

Aegean University Research Structure					
School of Social Sciences	**School of the Environment**	**School of Business**	**School of Engineering**	**School of Sciences**	**School of Humanities**
Dep. of Social Anthropology and History: *4 Labs -1 observatory* *- Laboratory for Ethnographic Approaches to the Study of Language*	**Dep. of Environment:** *9 Labs* *-Remote Sensing Laboratory* *-Regional and Insular*	***Dep. of Business Administration:*** *5 Labs* *-Management, Entrepreneurship & Innovative Education*	**Dep. of Information and Communication Systems Engineering:** *6 Labs*	**Dep. of Mathematics:** *5 Labs* *-Laboratory of Didactics of Mathematics and Learning*	**Dep. of Primary Education:** *6 Labs -1 Res group* *-Linguistics laboratory* *-Mathematics, Didactics and*

- Family and Kinship Studies Lab *- History Lab* *- Ethnography Lab* *Observatory of the Refugee and Migration Crisis in the Aegean*	*Development Laboratory* *-Water and Air Quality Laboratory* *- Biodiversity Conservation Laboratory* *-Laboratory of Applied Economics of the Environment* *- Waste Management Laboratory* *Research Centre of Environmental Communication and Education* *-Laboratory for Environmental Policy and Strategic Envir.Management* *- Energy Management Laboratory*	*Laboratory* *-Quantitative Methods Laboratory (QMLab)* *-Laboratory of Logistics and Modeling of Operational Systems* *-Growth Transformation & Value Engineering (WAVE) Lab* *-Laboratory of Tourism Research and Studies (LTRS/ETEM)*	*-Information & Communication Systems Security - Info Sec Lab* *-Computer & Communication Systems CCSL* *-Information Systems - Is Lab* *-Artificial Intelligence - Ai Lab* *DataBase LAb* *Geometry, Dynamical Systems & Cosmology*	*Technologies* *-Laboratory of Applied Mathematics and Mathematical Modelling* *-Laboratory of Free Software and Digital Typography* *-Multimedia Laboratory* *-Linux Laboratory*	*Multimedia Laboratory* *-Laboratory of Artistic & Cultural Education* *-Natural Sciences Laboratory* *-Laboratory of Psychology, Educational Research and Media in Education* *-Laboratory of History and Social Sciences* *Cine Science*
Dep. of Sociology *6 Labs -1 centre*	**Dep. of Marine Sciences:** *6 Labs -1 Research Group*	***Dep. of Shipping, Trade and Transport:*** *5 Labs*	***Dep. of Financial and Management Engineering:*** *9 Labs*	***Dep. of Statistics and Actuarial-Financial Mathematics:*** *2 Labs*	***Dep. of Pre-school education and Educational Design:***

-_Laboratory of Social Informatics, Statistics and Research Infrastructures_ -_Laboratory of Social & Political Institutions_ -_Laboratory of the Sociology of Youth, Leisure and Sports_ -_Sociological and Cultural Digital Documentation Lab_ -_Sociology of Labor Academic Laboratory_ -_Laboratory of Collective Actions and Social Movements_ _North Aegean European Information Centre_	-_Environmental Quality and Geospatial Applications_ -_Marine Biodiveristy and Ecosystems Management_ -_Ichthyology, Aquaculture and Fish Diseases_ -_Ecology and Systems' Dynamics_ -_Physical & Chemical Oceanography_ -_Coastal Morphodynamics-Management & Marine Geology_ _Marine Remote Sensing Group._	-_Laboratory in Research in Shipping and Port Management (ReShip)_ -_Laboratory of Applied Economics and Finance (LabAEF)_ -_Laboratory of Geographic Information Ststems, Geo-Economy and Geopolitics (GEOPOL Lab)_ - _Laboratory of Informatics and New Technologies in Shipping, Transport and Insular Development (LINTSTID)_ -_Laboratory of Research on Transport and Decision-Making (TRANSDEM)_	-_The Management and Decision Engineering Laboratory (MDE-Lab)_ -_Design, Operations, & Production Systems Lab (DeOPSys)_ -Reliability Engineering Laboratory (RELab) -Applied Economics and Technology Studies Laboratory (ECO-TECH) -_Research Laboratory of Applied Physical Sciences (ReLAPS)_ -_Environmental Quality and Technology Laboratory (EQTL)_ -_Information Management Lab (i4m Lab)_ -Laboratory of Mechanics, Materials and Processes (L2MP) -_Intelligent Data Exploration and Analysis_	-_Laboratory of Statistics and Data Analysis_ -_Laboratory of Actuarian and Financial Mathematics_	7 Labs -_Learning Technology and Educational Engineering Laboratory_ -_Laboratory of Social and Educational Research_ -_Laboratory of Educational & Psychological Research and their Applications_ -_Laboratory of Children's Book, Discourse and Theatre Game_ -_Laboratory of Research on Practical Philosophy (L.R.P.Ph.)_ -_Laboratory of Experimental Psychology, Psychometric Research and Clinical Applications_ -_Laboratory of Applied Research for Environmental Education_

			Laboratory (IDEAL)		
Dep. of Cultural Technology and Communication: *5 Labs* -*Image, Sound and Cultural Representation Lab* -*Museology Lab* -*Intelligent Systems Research Lab* -*Cultural Heritage Management Lab* -*Privacy Engineering and Social Informatics Lab*	**Dep. of Food Science and Nutrition:** *3 Labs* *- LABORATORY OF BIOLOGY, MICROBIOLOGY AND BIOTECHNOLOGY OF FOODS (LBMBF)* *- LABORATORY OF CONSUMER RESPONSES AND SENSORY PERCEPTION OF FOOD & DRINKS* -*SUSTAINABLE AGRI-FOODand SMART FARMING LABORATORY (SAFSFL)*		**Dep. of Product and System Design Engineering:** *4 Labs* -*Interactive Systems Design Lab (ISC)* -*Integrated Industrial Design Lab (INDEL)* -*Complex Systems and Service Design Lab/ CSSD* -*Colour & Drawing Lab (CDL)*		**Dep. of Mediterranean Studies:** *6 Labs-2 research groups-2centers-units* -*Laboratory of the Ancient World of Eastern Mediterranean* -*Laboratory of Archaeometry* -*Laboratory of Linguistics of the Southeastern Mediterranean* -*Laboratory of Mediterranean Politics* -*Laboratory of Environmental Archaeology & Preventive Conservation* -*Laboratory of Informatics* *Archaeological Excavations*

					Egyptology Research Group (Aegean Egyptology) *-Research Unit for European and International Politics* *- Research Center for Yellow River Cultures (RCRYC)*

Paris 8 - Research Structure: Training and Research Units (UFR*) and Departments * Despite its name our "UFR" are not in charge of research in Paris 8.											Institutes			IUT	
economics management (AES-EG)	arts, philosophy, aesthetics	Culture and Communication	Law	Foreign Languages and Cultures (LLCE-LEA)	Digital Sciences and Technologies (STN)	Psychology	Education, Psychoanalysis and French as a Foreign Language (SEPF)	language sciences (SDL)	eriTES (studies, research and engineering in territories - environments -	Texts and Societies	French Institute of Geopolitics (IFG)	Institute for European Studies (IEE)	Distance Learning Institute (IED)	IUT of Montreuil	IUT of Tremblay-en-France

										societies)						
Departments	Departments	Departments	Departments	Departments	Departments	Departments	Departments	Departments	Departments	Departments						

	Plastic arts Image arts and technologies Cinema Dance Music Philosophy Photography Theater ArTeC			Arab studies Anglophone studies Germanic Studies Hebrew Studies Hispanic and Hispano-American Studies Italian studies Portuguese-speaking studies Slavic Studies				Geography Department Master Mediterranean, Maghreb, Europe Engineering Department - Cognition - Handicap		
Research Units (UR)										

UR Human and Artificial Cognitions (CHArt)

UR Cognitive Function and Dysfunction: Ages of Life (DYSCO)

UR Dionysian Economics Laboratory (LED)

Center for the History of Medieval and Modern Societies (MéMo)

UR Aesthetics, musicology, dance and musical creation (MUSIDANSE)

UR Laboratory of Studies and Research on Contemporary Logics of Philosophy (LLCP)

UR Aesthetics, Sciences and Technologies of Cinema and Audiovisual (ESTCA)

UR Image Arts and Contemporary Art (AIAC)

UR Scenes of the World (Scènes du monde)

UR Center for Media, Technology and Internationalization Studies (CEMTI)

UR Paris Center for Legal Research 8 (CRJP8)

UR English-speaking critical transfers (TransCrit)

UR German worlds: history of ideas and representations

UR Laboratory of Romanesque Studies (LER)

UR Laboratory Paragraph

UR QUARTZ

UR Saint-Denis Advanced Computer Science Laboratory (LIASD)

UR Parisian Laboratory of Social Psychology (LAPPS)

UR Laboratory of Psychopathology and Neuropsychology (LPN)

UR Interuniversity Laboratory Experience, Cultural Resources, Education (EXPERICE)

UR Clinical section

UR Interdisciplinary Center for Research, Culture, Education, Training, Work (CIRCEFT)

UR Literary Factory (Fablitt)

UR Center for Geopolitical Research and Analysis (IFG-LAB)

Joint Research Units (UMR)

UMR 8238: Laboratory for Gender and Sexuality Studies (LEGS)

UMR 8244: Institute for the History of Present Time (IHTP)

UMR 7217: Paris Center for Sociological and Political Research (CRESPPA)

UMR 7023: Formal structures of language (SFL)

UMR 7218: Laboratory Architecture City Urbanism Environment (LAVUE)

UMR 7539: Analysis, geometry and application laboratory (LAGA)

UMR 7041: Archaeology and Sciences of Antiquity (ArScAn)

UMR 8533: Institutions and Historical Dynamics of the Economy and Society (IDHES)

UMR 7533: Social Dynamics and Recomposition of Spaces Laboratory (LADYSS)

Other Research Structures

Laboratory of uses in digital information technologies (LUTIN)

House of Human Sciences Paris Nord (MSH Paris Nord)

Group for the Study of Globalization and Development (GEMDEV)

ERUA
European Reform
University Alliance

Research Projects under Horizon 2020. Societal Challenges.

Societal Challenge program: Project titles

Roskilde	Konstanz	Paris 8	NBU	Aegean
Building pathways towards FOOD 2030-led urban food policies	An Integrated European 'Flagship' Program Driving Mechanism-based Toxicity Testing and Risk Assessment for the 21st Century	Developing Participatory Spaces using a Multi-stage, Multi-level, Multi-mode, Multi-lingual, Dynamic Deliberative approach (M4D2)	Transforming Unsustainable management of soils in key agricultural systems in EU and China. Developing an integrated platform of alternatives to reverse soil degradation.	Multiple-use-of Space for Island Clean Autonomy
Educating the next generation of professionals in the agrifood system	RISK assessment of chemicals integrating HUman centric Next generation Testing strategies promoting the 3Rs	UNCHARTED: Understanding, Capturing and Fostering the Societal Value of Culture	EUROPEAN MEDIA PLATFORMS: ASSESSING POSITIVE AND NEGATIVE EXTERNALITIES FOR EUROPEAN CULTURE	Evaluation, control and Mitigation of the EnviRonmental impacts of shippinG Emissions
Transforming into Open, Innovative and Collaborative Governments	PRedictive In-silico Multiscale Analytics to support cancer personalized diaGnosis and prognosis, Empowered by imaging biomarkers		Effective practices in education, mental health and psychosocial support for the integration of refugee children	Title: Holistic Approach for Providing Spatial & Transport Planning Tools and Evidence to Metropolitan and Regional Authorities to Lead a Sustainable Transition to a New Mobility Era
Closing the loop for urban material flows	Cost reduction and enhanced Performance of PV systems		Between the representation of the crisis and the crisis of representation. How crisis changed the symbolic background of European societies and identities. Implication for policies and	Renewable Energy for self-sustAinable island CommuniTies

			policy making	
Redesigning European cropping systems based on species MIXtures	Understanding value co-creation in public services for transforming European public administrations		Migration Impact Assessment to Enhance Integration and Local Development in European Rural and Mountain Areas	Multi-source Big Data Fusion Driven Proactivity for Intelligent Mobility
Understanding value co-creation in public services for transforming European public administrations	EU Differentiation, Dominance and Democracy		Evaluation of the Common European Asylum System under Pressure and Recommendations for Further Development	PALAEMON – A holistic passenger ship evacuation and rescue ecosystem
Disruptive Technologies Supporting Labour Market Decision Making	Novel Testing Strategies for Endocrine Disruptors in the Context of Developmental NeuroToxicity			End-to-End Approach for Mobility-as-a-Service tools, business models, enabling framework and evidence for European seamless mobility
Skills and Integration of Migrants, Refugees and Asylum Applicants in European Labour Markets	Development of prescriptive Analytics based on artificial intelligence for iAMS			Advancing Alternative Migration Governance
Facilitating Multi-level governance for energy efficiency	Video analysis for Investigation of Criminal and Terrorist Activities			BUSINESS MODELS FOR ENHANCING FUNDING AND ENABLING FINANCING OF INFRASTRUCTURE IN TRANSPORT

Fostering sustainable legume-based farming systems and agri-feed and food chains in the EU	The Future of European Social Citizenship			Demonstration of water loops with innovative regenerative business models for the Mediterranean region
Social Protection Innovative Investment in Long Term Care	Analysis System for Gathered Raw Data			RESPOND: Multilevel Governance of Mass Migration in Europe and Beyond
SOLIDUS: "Solidarity in European societies: empowerment, social justice and citizenship"	The Choice for Europe since Maastricht. Member States' Preferences for Economic and Financial Integration			Social and innovative Platform On cultural Tourism and its potential towards deepening Europeanisation
Preventing and responding to conflict: developing EU CIVilian CAPabilities for a sustainable peace	Intelligent solutions 2ward the Development of Railway Energy and Asset Management Systems in Europe			WORKFORCE EUROPE - TRANSFORMATION AGENDA FOR TRANSPORT AUTOMATION
Improving the Effectiveness of the Capabilities (IEC) in EU conflict prevention				The Once Only Principle Project

Co Production and Co Governance: Strategic Management, Public Value and Co Creation in the Renewal of Public Agencies across Europe				

Appendix IX

Overview of Professorships at UKON

Organization of research faculties (Sektionen), departments (Fachbereiche), groups and professorships at Konstanz University

Section 1: Faculty of Sciences						Section 2: Faculty of Humanities				Section 3: Faculty of Politics, Law and Economics			
Departments						**Departments**				**Departments**			
Mathematics and Statistics	Computer and Information Science	Physics	Chemistry	Biology	Psychology	Philosophy	History, Sociology, Sport Science and Empirical Educational Research	Literature, Art and Media Studies	Linguistics	Politics and Public Administration	Law		Economics
Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Groups and Professorships	Research Centers	Groups and Professorships
Analysis / Mathematics in the natural sciences Differential geometry Numeric optimization Numerics Real geometry and algebra Mathematical logic, quantity	Bioinformatics and Information Mining Visual Computing Computer Vision and Image Analysis Database and Information Systems Data Analysis and	Light and Matter Soft Matter Theory of Quantum Transport Theoretical Solid-state Physics and Quantum Information Theory of Soft Matter Nanostructu	Böttcher Group - Biological Chemistry Boldt Group - Nanoscience Cölfen Group - Physical Chemistry Drescher Group - Physical and	Professorship for Aquatic Ecology and Evolution Visiting Professorship for Development Biology Professorship for Biochemical Pharmacology Professorship for	Professorship for Social Psychology Professorship for Cognitive Psychology Professorship for Clinical Psychology Professorship for Methods for Intensive Data in	Professorship of Theoretical Philosophy with a special focus on Philosophy of Language and Mind Professorship of Philosophy with a special focus on Theoretical Philosophy	Ancient History Archaeology of Ancient Mediterranean and Near Eastern Cultures Ancient Political Cultures Medieval History History of Religions	**British Studies and American Studies** Professorship of British Literature and Literary Theory (x2) Professorship of American Studies Professorship of North American	General linguistics with emphasis on phonetics slavic linguistics general linguistic and computational linguistics general linguistics with emphasis on phonology	**Center for data and methods** Elections and democracy Survey Research Political Methodology Computational Social Science **Democracy and Public Policy**	Civil Law, Labor Law and Social Security Law Public Law with International Orientation Civil law with personal and corporate tax law Civil law, commercial and corporate law, business	Institute for legal fact research Research Centre Immigration & Asylum Law (FZAA) Constance Seminar on Legal Development Law Study Society Konstanz	Chair of General Business Administration and Marketing Chair of Applied Research in Economics Chair of Business Education and Human

theory and model theory Differential geometry Statistics Stochastics	Visualization Theory of Computing Software and Systems Engineering Modelling of Complex Self-organizing Systems Human-Computer Interaction Multimedia Signal Processing Cyber-Physical Systems Database and Information Systems Life Science Informatics Data and Information Mining Algorithmics Virtual Reality for Animal Collectives	res and Clusters Modern Material Science Ultrafast Phenomena and Photonics Physics of Complex Materials Statistical Physics Theory of Magnetic Materials Mesoscopic Systems Hybrid Nanostructures Superconducting spintronic and quantum devices Nanooptics Low-dimensional Systems Photovoltaics	Biophysical Chemistry Gaich Group - Natural Product Synthesis and Synthetic Methodology Hartig Group - Chemical and Synthetic Biology of Nucleic Acids Hauser Group - Biophysical Chemistry Huwer Group - Didactics of the Natural Sciences Kovermann Group - Physical Chemistry and Nuclear Magnetic Resonance Marx Group - Organic Chemistry / Cellular Chemistry	Molecular Toxicology Professorship for Biodiversity and Collective Behaviour Professorship for Ecology of Animal Societies Professorship for Molecular Microbiology Professorship for Molecular Bioinformatics Professorship for Ecotoxicology Junior Professorship for Environmental Genomics in Aquatic Systems Professorship for Immunology Professorship for	Psychology Professorship for Neuropsychology Professorship for Research Methods & Psychological Assessment Professorship for Psychological Assessment & Health Psychology Professorship for General and Biological Psychology Professorship for Work & Health Psychology	Professorship of Practical Philosophy with a focus on Ethics, Moral Philosophy and their foundations Professorship of Philosophy and the Philosophy of Science with a special focus on Logic, Epistemology and Philosophy of the exact Sciences Professorship of Practical Philosophy and Hermeneutics Junior professorship of Theoretical Philosophy with a special focus on Philosophy of Mathematics	Early Modern History Modern History, 19th/20th Century DFG-Heisenberg-Stelle "Global Music and Idea History"Economic History History of the Humanities Contemporary History History of Eastern Europe Junior Professorship for Didactics in the Social Sciences **Sociology** Professorship for Microsociology Professorship for empirical	Literature and Culture **German Literature** Professorship for German Literature with focus on the middle ages and general literature science lectureship for older German literature and language professorship for newer german literature and general literature science (x2) professorship for newer german literature in medial context **Art** Professorship for art science/art history **Latin studies** Professorship for latin studies	general and germanic linguistics neurolinguistics artificial intelligenceromance linguistics x2 general linguistics with emphasis on multilingualism english linguistics general linguistics with emphasis on semantics general and english linguistics	Comparative Politics Political Science, especially Policy Analysis and Political Theory Associate Professorship for Policy-Analysis Empirical and Normative Democratic Theory Political Theory German Politics and Public Administration **International Studies** Political Science, especially International Politics Development Research International Politics and Conflict Management International	law and comparative law Junior Professor for Civil Law and Labor LawPublic Law with focus on Administrative Law Civil law, labor law and corporate law German and European criminal law and criminal procedure, IT criminal law and legal philosophyPublic law with focus on administrative law Constitutional and administrative law, European law and comparative law Civil Law and Civil Procedure, Comparative Law, Private International Law	<u>Konstanzer Inventar</u>	Resource Development Chair of Finance Chair of Organisational Economics Chair of Accounting Chair of Corporate Finance Chair of Finance Chair of Public Economics Chair of Statistics and Econometrics Chair of International Economics and Political Economy Chair of International and Monetary

| | | | Mathies Group - Magnetic Resonance Spectroscopy

Mecking Group - Chemical Materials Science

Peter Group - Theoretical and Computer-Aided Chemistry

Ruiz Agudo Group - Physical Chemistry

Winter Group - Inorganic Chemistry: Organometallic Chemistry

Wittemann Group - Colloid Chemistry

Wittmann Group - Organic and Bioorganic Chemistry

Zumbusch Group - | Applied Bioinformatics

Professorship for Cell Biology

Professorship for Plant Physiology and Biochemistry

Professorship for Neuroethology

Professorship for Ecology

Professorship for Plant Ecophysiology

Professorship for Immunology and Cell Biology

Professorship for In-Vitro Toxicology and Biomedicine

Professorship for Toxicology and Biochemistr | | | social research and higher education research

Professorship for general sociology and macrosociology

Professorship for general sociology and cultural sociology

Professorship for sociology with focus on gender studiesLectureship for social scientific statistics

Ethnology
Professorship for ethnology and cultural anthropology

Professorship for ethnology and political anthropology

junior professorshi | **Media Studies**
Professorship for media studies x3 | | Politics

Comparative Politics of non-democratic States

Associate Professorship for International RelationsEuropean Governance

Center for Management and Public Administration
Management, especially Strategy and Leadership

Organisational Studies

Public Administration

Politics and PublicAdministration

Public Administration / Organization Theory

Management, especially Social Responsibilit | Civil Law, International Private and Procedural Law, Comparative Law

Criminal Law, Criminal Procedure Law, Economic Criminal Law and Criminology

Public Law, European Law and International Law

Civil Law, Commercial, Corporate and Business Law and Comparative Law

Criminal law, criminal procedure law, comparative criminal law, medical criminal law and legal theory

Civil Law, Ancient Legal History, Roman Law | | Macroeconomics

Chair of Macroeconomics

Chair of Microeconomic Theory

Chair of Economics and EconometricsChair for Political Economy

Chair of Business and Economics Education I

Chair of Business and Economics Education II

Chair of Economic and Social Policy

Junior Professorship in Accounting |

				Physical Chemistry	y Professorship Bioimaging Centre Professorship for Biophysics and Structural Biology Professorship for Molecular Genetics Professorship for Zoology and Evolutionary Biology Professorship for Environmental Physics Professorship for Biochemistry Professorship for Limnic Microbiology Professorship for Chemical Ecology Professorship for Cellular			p for ethnology with focus on cultures of economy **Empirical educational research** Professorship for development and education in early childhood professorship for educational science professorship of inclusive education assistant professorship for teaching research with focus on heterogeneity assistant professorship for empirical educational research **Sport Science** professorshi			y	and Modern Private Law History Public Law with Subsidiary Fields		Junior Professorship of Educational and Labour Economics Junior Professorship for Personal Economics Junior Professorship in Economics Junior Professorship in Business and Economics Education, Focus on Heterogeneity Junior Professorship for Business and Economics Education Junior Professorship in

				Proteostasis and Mass Spectrometry Professorship for Genetics of Adaption in Aquatic Systems			p of sport psychology professorship of training and movement science professorship of social and health sciences professorship of motor development in childhood and adolescence						Public Economics

Interdisciplinary Research Institutions	**Clusters of Excellence** Centre for the Advanced Study of Collective Behaviour The Politics of Inequality **Collaborative Research Centres (CRC)** Anisotropic Particles as Building Blocks: Tailoring Shape, Interactions and Structures Fluctuations and Nonlinearities in Classical and Quantum Matter beyond Equilibrium Chemical and Biological Principles of Cellular Proteostasis Quantitative Methods for Visual Computing **Research Groups** Media and Participation. Between Demand and Entitlement Questions at the Interfaces German-Austrian(-Swiss) International Research Group "New Insights into Bcl-2 family interactions: from biophysics to function" **Research Centres**

Center for Alternatives to Animal Testing - Europe (CAAT-Europe)
Cultural studies research centre
Centre for Multilingualism
Centre for Quantitative Methods and Survey Research
Centre for Applied Photonics (CAP)
Forschungsinstitut Gesellschaftlicher Zusammenhalt (FGZ)
Dr. K. H. Eberle Research Centre "European Cultures in a Multipolar World"

Associated Institutes
TWI Thurgauer Wirtschaftsinstitut
Lurija-Institut
Biotechnologie Institut Thurgau

Research Training Groups
Integrated Research Training Group within CRC 1214 "Anisotropic Particles as Building Blocks: Tailoring Shape, Interactions and Structures"
Integrated Research Training Group within TRR 161 "Quantitative Methods for Visual Computing"
Integrated Research Training Group within CRC 1432 "Fluctuations and Nonlinearities" (FaN)
GRK 2272: Research Training Group "R3 - Responses to Biotic and Abiotic Changes, Resilience and Reversibility of Lake Ecosystems"

Institutions in the Context of supporting early Career Researchers
Zukunftskolleg
Graduate School of Decision Sciences
Graduate School of the Social and Behavioural Sciences
Konstanz Research School Chemical Biology (KoRS-CB)
Graduate Research Programme »Changing Frames«