

RESEARCH & EDUCATION =
ACTION WITH **IMPACT.**



UNIVERSITY OF
EASTERN FINLAND

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NEW
FUTURE
SOLUTIONS
LIFE
ACADEMIC
WE
SMART
INTERDISCIPLINARY
SUSTAINABILITY
ENVIRONMENT
ACTION
SCIENCE
INNOVATION
WATER
CLIMATE
UEF
HEALTH
CHALLENGES
GLOBAL
THINK
FOCUS
DIRECTION
VISION
AIR

SMART
ACADEMIC
FOCUS
GLOBAL CHALLENGES
FORESTS
SUSTAINABILITY
ENVIRONMENT
CLIMATE
SOLUTIONS
NEW
FUTURE
MODERN
RESEARCH
UEF
OPEN SCIENCE
FOCUS
OPENNESS
WE
INTERACTION
DIGILEARN
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VISION
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FOCUS
SCIENCE
INNOVATION
SOLUTIONS
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HEALTHLIFE

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UEF
INTERDISCIPLINARY
FUTURE
NEW



ACTION WITH
IMPACT. **UEF.**

UNIVERSITY OF EASTERN FINLAND
JOENSUU | KUOPIO

UEF IN NUMBERS



ARE UEF

2,500

STAFF MEMBERS

1,550

RESEARCHERS AND
TEACHERS

950

OTHER EXPERTS

15,500

STUDENTS

13,850

BACHELOR'S AND MASTER'S
DEGREE STUDENTS

1,650

DOCTORAL STUDENTS

+ 4,600

MEMBERS IN
THE ALUMNI
NETWORK

15,400

ADULT EDUCATION STUDENTS AT
ADUCATE, OF WHOM 13,000 ARE
OPEN UNIVERSITY STUDENTS AND
2,400 CONTINUING EDUCATION
STUDENTS

236 M€ OVERALL FUNDING

4

faculties

Philosophical Faculty
JOENSUU

*Faculty of Science and
Forestry*
JOENSUU | KUOPIO

Faculty of Health Sciences
KUOPIO

*Faculty of Social Sciences
and Business Studies*
JOENSUU | KUOPIO



"We are the leading university in Finland when it comes to using the Flipped Classroom approach. No other university has this many subjects and teachers involved."

MARKKU SAARELAINEN
SENIOR LECTURER, UEF

"The learning environment at UEF looks like us students, and isn't limited to the campus alone!"

SAARA NÄRÄ
STUDENT, HEALTH PROMOTION
UEF AMBASSADOR

OUR DIRECTION IS CLEAR

"Open science and open innovation create novel opportunities for enhancing the impact of science. Here at the University of Eastern Finland, impact constitutes part of our research and education. Our goal is to facilitate the transfer and utilisation of knowledge and skills between higher education institutions, businesses and industry, societal decision-makers and citizens. Together with our partners, we create innovation ecosystems in our areas of strength in health care expertise, the forest-based bioeconomy and teacher education."

JUKKA MÖNKKÖNEN | RECTOR

"Responding to global challenges calls for a new kind of thinking and new kinds of interdisciplinary encounters. Our expertise crosses discipline boundaries, and multidisciplinary is present in our everyday activities. Now approaching its tenth anniversary, the University of Eastern Finland has proved to be a success story: relying on our strengths, we have created a bold and distinct profile and brand which make us stand out as an attractive university. Our research and education constitute the means for creating a responsible and sustainable future."

HARRI SIISKONEN | ACADEMIC RECTOR



JOIN IN THE DISCUSSION:

blogs.uef.fi

Interdisciplinary encounters lead to action that is relevant today and tomorrow.

ACTION WITH IMPACT. UEF.

The University of Eastern Finland is one of the largest universities in Finland. We show courage in crossing academic boundaries and our interdisciplinary approach is internationally recognised.

Our research is ranked among the best in the world in several fields. As a multidisciplinary university, we train experts for the various sectors of society. We seek solutions to global challenges through multidisciplinary research and education. In collaboration with our partners, we generate new knowledge, expertise and innovations.

Our research and education constitute the means for creating a responsible and sustainable future. The impact of our university is the result of a high standard of research and high-level education. We are a pioneer in Open Science, emphasising an open operating culture in everything we do.

UEF stands for action with impact that is relevant today and tomorrow.



"We wanted to drive the change caused by digitalisation, especially with teaching and the development of learning in mind."

ERKKO SOINTU
POSTDOCTORAL RESEARCHER, UEF

MULTIDISCIPLINARY, RENEWAL-DRIVEN AND INTERNATIONAL RESEARCH

Research carried out at the University of Eastern Finland is of a high international standard and has significant impact, with an emphasis on interdisciplinarity.

We generate a high standard of valuable knowledge for the scientific community, for collective use by various networks, and for decision-making. We collaborate with leading universities and research institutes all over the world.

Our campuses in Joensuu and Kuopio are strong research clusters with several research institutes, such as the European Forest Institute, Kuopio University Hospital, science parks and various technology and service sector companies, located nearby.



300

IN THE TOP 300 IN SEVERAL
DISCIPLINE-SPECIFIC
INTERNATIONAL RANKINGS

50

IN THE TOP 50 IN
THE YOUNG UNIVERSITIES
RANKING



"It is not given that the human aspects of these phenomena – migration and mobility – are understood in our society."

LAURA ASSMUTH
PROFESSOR, UEF

MEMBER OF NATIONAL CENTRES OF EXCELLENCE FUNDED BY THE ACADEMY OF FINLAND

- ▶ Centre of Excellence in Cardiovascular and Metabolic Disease 2014–2019
- ▶ Centre of Excellence in Atmospheric Science – From Molecular and Biological Processes to the Global Climate 2014–2019
- ▶ Centre of Excellence of Inverse Modelling and Imaging 2018–2025

NATIONALLY SIGNIFICANT RESEARCH INFRASTRUCTURES

- ▶ Biomedical imaging
- ▶ Genomics, Metabolomics and Bioinformatics Centres
- ▶ Biobank of Eastern Finland
- ▶ Neurocenter Finland
- ▶ National Virus Vector Laboratory
- ▶ Materials research
- ▶ Structural Biology Centre

INTERDISCIPLINARY SOLUTIONS

We have identified four global challenges for which we seek solutions through our interdisciplinary research and education.

4 global challenges



What is the right response to challenges posed by ageing and health issues?

#HEALTHLIFE

PROFILE AREA IN RESEARCH

Ageing, lifestyles and health

FOCUS AREAS IN RESEARCH

- > Cardiovascular and metabolic diseases
- > Neurosciences
- > Musculoskeletal disorders
- > Translational cancer research

MORE HEALTHY YEARS

WE LIVE LONGER THAN EVER BEFORE, but brain diseases, cardiovascular diseases and type 2 diabetes become increasingly common as we get older. Moreover, as the population ages, the prevalence of cancer increases and musculoskeletal disorders make it harder to cope in everyday life. Fortunately, the risk of all of these diseases can be reduced by healthy lifestyles.

Our research has shed light on the genetic background and risk factors of common chronic diseases. We keep finding ways to prevent diseases with healthy lifestyle habits, while also developing diagnostics and increasingly personalised and targeted treatments. Our research ranges from the molecular-level mechanisms of diseases to effectiveness in health care.

Our goal is to make active living and healthy ageing available to an increasing number of people.

uef.fi/healthlife



What is the role of learning in a digitised society?

#DIGILEARN

PROFILE AREA IN RESEARCH

Learning in a digitised society

FOCUS AREAS IN RESEARCH

- > Changes in education
- > Technology in learning and teaching
- > Intelligent technologies

OPPORTUNITIES AND CHALLENGES OF OUR DIGITISING WORLD

THE DIGITALISATION OF our world is increasingly shaping learning and interaction among people and communities. This creates new challenges, and also opportunities, for our everyday lives. We seek to renew and further develop the opportunities of learning, active participation and learning environments, while tackling any challenges that may arise.

Our understanding of learner-centred and inspiring pedagogy, as well as of the meaningful use of rapidly evolving technologies for teaching and learning, is becoming increasingly precise. Our research provides tools for enhancing the professional skills of people working in the education sector, and we also help in the creation of innovative learning environments and increasingly personalised study paths.

uef.fi/digilearn

"In the future, treatments will be selected on the basis of patients' individual risk factors and gene profiles."

MIKKO HILTUNEN
PROFESSOR, UEF





How do we safeguard the environment and the sufficiency of natural resources?

#SUSTENVIRON

PROFILE AREA IN RESEARCH

Environmental change and sufficiency of natural resources

FOCUS AREAS IN RESEARCH

- > Forests, global change and the bioeconomy
- > Aerosols, climate change and human health
- > Sustainable governance of natural resources

SUSTAINABLE LIFE ON EARTH FOR GENERATIONS TO COME

UNDERSTANDING THE REASONS and mechanisms of climate change helps to find ways to mitigate it. We can respond to the environmental challenges of the future by developing the use of forests and their sustainable management, for example.

Our work has already provided plenty of new insights into the role of aerosols in climate change. Furthermore, our research on forests and the forest-based bioeconomy is internationally recognised and continuously develops new solutions for the sustainable use of forest resources. We introduce original, research-based information to citizens and decision-makers, and provide tools for the sustainable governance of natural resources, while taking economic, legal and political aspects into consideration.

uef.fi/sustenviron



How do cultural encounters change the world?

#CULTCHANGE

PROFILE AREA IN RESEARCH

Cultural encounters, mobilities and borders

FOCUS AREAS IN RESEARCH

- > Cultural encounters
- > Mobility and society
- > European borders

DEEPER UNDERSTANDING OF CULTURAL ENCOUNTERS, MOBILITIES AND BORDERS

ISSUES RELATING TO globalisation concern us all. Cultural, linguistic and religious encounters, as well as changing identities, are very topical in today's world. Migration and mobilities, and different geographical and mental borders, are also topics of discussion among decision-makers and citizens alike.

Our research is internationally prominent, providing solutions to issues relating to mobilities, borders and security. In border studies, our strengths lie in research addressing internal borders and the border between the European Union and Russia. Border studies in the context of the humanities, on the other hand, makes the multi-layered nature of borders visible and provides tools for understanding different perspectives.

uef.fi/cultchange

WE ARE CREATING A NEW TYPE OF UNIVERSITY

1,100

INTERNATIONAL DEGREE
STUDENTS

2,400

NEW STUDENTS
EVERY YEAR

3,000

DEGREES AWARDED, OF WHICH 165
WERE DOCTORAL DEGREES (2017)

A STUDENT-CENTRED UNIVERSITY WITH A HIGH-QUALITY LEARNING ENVIRONMENT

The University of Eastern Finland puts students, high-standard learning processes and student well-being first.

We are a sought-after place to study thanks to our teaching, which is based on the latest research and our diverse education offering, as well as our flexible study opportunities.

As the most multidisciplinary university in Finland, we respond to the challenges of tomorrow's working life by offering broad study programmes and opportunities for our students to choose their major subject once they have already started their studies. Moreover, as is the case of many fields of study, our students can select their minor subjects completely freely.

Our graduates acquire the skills required by the changing labour markets and international operating environments.

THE BEST ACADEMIC LEARNING ENVIRONMENT IN FINLAND IS CREATED TOGETHER

We seek to be the best academic learning environment in Finland by 2020.

- Teaching always based on the latest research
- State-of-the-art facilities and technology
- Teachers' pedagogical expertise
- Students involved in the development of the learning environment

13

• **FIELDS OF STUDY**
– the most diverse offering in Finland

- > Dentistry
- > Economics and business administration
- > Education
- > Forest sciences
- > Health sciences
- > Humanities
- > Law
- > Medicine
- > Natural sciences
- > Pharmacy
- > Psychology
- > Social sciences
- > Theology

• **100** MAJOR SUBJECTS / DEGREE PROGRAMMES

THE MOST EXTENSIVE EDUCATION OFFERING IN FINLAND IS AVAILABLE TO ALL

The Centre for Training and Development, Aducate, makes education offered by the University of Eastern Finland available through Open University education, continuing education and expert services.

Thanks to our collaboration with more than 50 educational institutes, we are the most extensive provider of Open University education in Finland. Our education offering comprises 80 different subjects and opens up several gateways to degree-awarding education.

ADUCATE
by **UEF**



"The campus area is very compact, and this is also reflected in the atmosphere. The fact that students from different fields share courses has a positive impact on the atmosphere. The feeling of community makes the campus a comfortable place and boosts my motivation to study."

JUULI SOLJA
STUDENT, SPECIAL EDUCATION
UEF AMBASSADOR

AN ENCOURAGING ACADEMIC COMMUNITY

The university's staff and students are its most important assets. We are an international, creative, encouraging and dialogue-driven scientific community.

We are proactive in recruiting top-level researchers and teachers, and we use flexible recruitment methods. For our teachers and researchers, we offer a goal-oriented and incentivised career model.

We develop support services for leadership and the management of human resources to allow staff to focus on duties that correspond to their expertise at different stages of their careers.

We offer our teaching and research staff modern and effective services.

UEF// HR EXCELLENCE IN RESEARCH

The University of Eastern Finland promotes the status and career of researchers in accordance with the criteria defined by the European Commission.



HR EXCELLENCE IN RESEARCH

"A good teacher encourages students to work for their own future. A good teacher leaves their mark."

SATU TUOMAINEN
SENIOR LECTURER, UEF

UEF MISSION

We are an international, multidisciplinary and student-centred university. Our high standard of research and appealing academic offering build the competence base of the future.

UEF VISION

We are an internationally attractive university, which seeks to find interdisciplinary solutions to global challenges.

UEF VALUES

 Freedom of science, teaching and learning

 Transparency and courage

 Responsibility and impact

We make use of the expertise of the entire academic community in our activities. Our activities are guided by principles relating to ethicality and sustainable development.

A RESPONSIBLE SOCIAL ACTOR

“UEF provides an excellent setting for new insights, multidisciplinary collaboration and clinical research, which can promote child health.”

KATI RÄSÄNEN
DOCTORAL STUDENT, UEF
SPECIALISING PHYSICIAN, KUH

The University of Eastern Finland is known as a partner who takes the initiative, and as an influential participant in social dialogue. We engage in close cooperation with various research institutes, businesses and industries.

We are a builder of open innovation ecosystems and we promote the emergence of new business activities in eastern Finland in particular. Our researchers produce data to support societal decision-making and they participate in the work of several working groups in different fields.

Our Centre for Training and Development, Aducate, is a significant provider of adult education in Finland. We make our expertise available globally through Finland University Inc., a company owned by four Finnish universities.

We showcase the work of our researchers to the general public through the Science Forum, the European Researchers' Night, and our Café Smart science cafés. We are involved in science activities aimed at children and young people, and our students serving as UEF Ambassadors are welcome visitors in schools.

SUSTAINABLE DEVELOPMENT AND UEF

We are deeply committed to the principles of sustainable development, and this can be seen in all our activities. Sustainable development also constitutes an integral part of our quality management system. We participate in WWF's Green Office, and we are a Fairtrade University.

100

RANKED IN THE TOP 100 FOR ENVIRONMENTAL RESPONSIBILITY AND SUSTAINABLE DEVELOPMENT (UI GREENMETRIC WORLD UNIVERSITY RANKINGS)

