



Science with Arctic Attitude

University of Oulu
28 January 2022





New scientific information and future pioneers to build a more sustainable, intelligent and humane world

SUSTAINABLE
MATERIALS AND
SYSTEMS

CHANGING
CLIMATE AND
NORTHERN
ENVIRONMENT

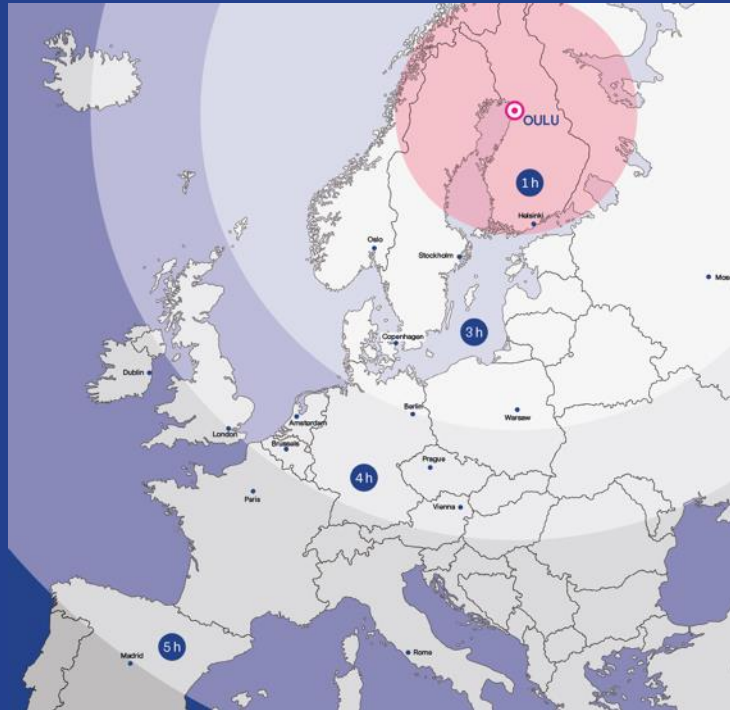
DIGITALIZATION
AND SMART
SOCIETY

LIFELONG
HEALTH

UNDERSTANDING
HUMANS IN
CHANGE



The University of Oulu in brief



Natural Sciences and Mathematics

Biosciences

Medicine and Health

Economics and Business Administration

Engineering and Architecture

Information and Communication Technologies

Education

Humanities

13 500
Students

3 400
Staff

65 000+
Alumni

The university community's values



**Creating
new**



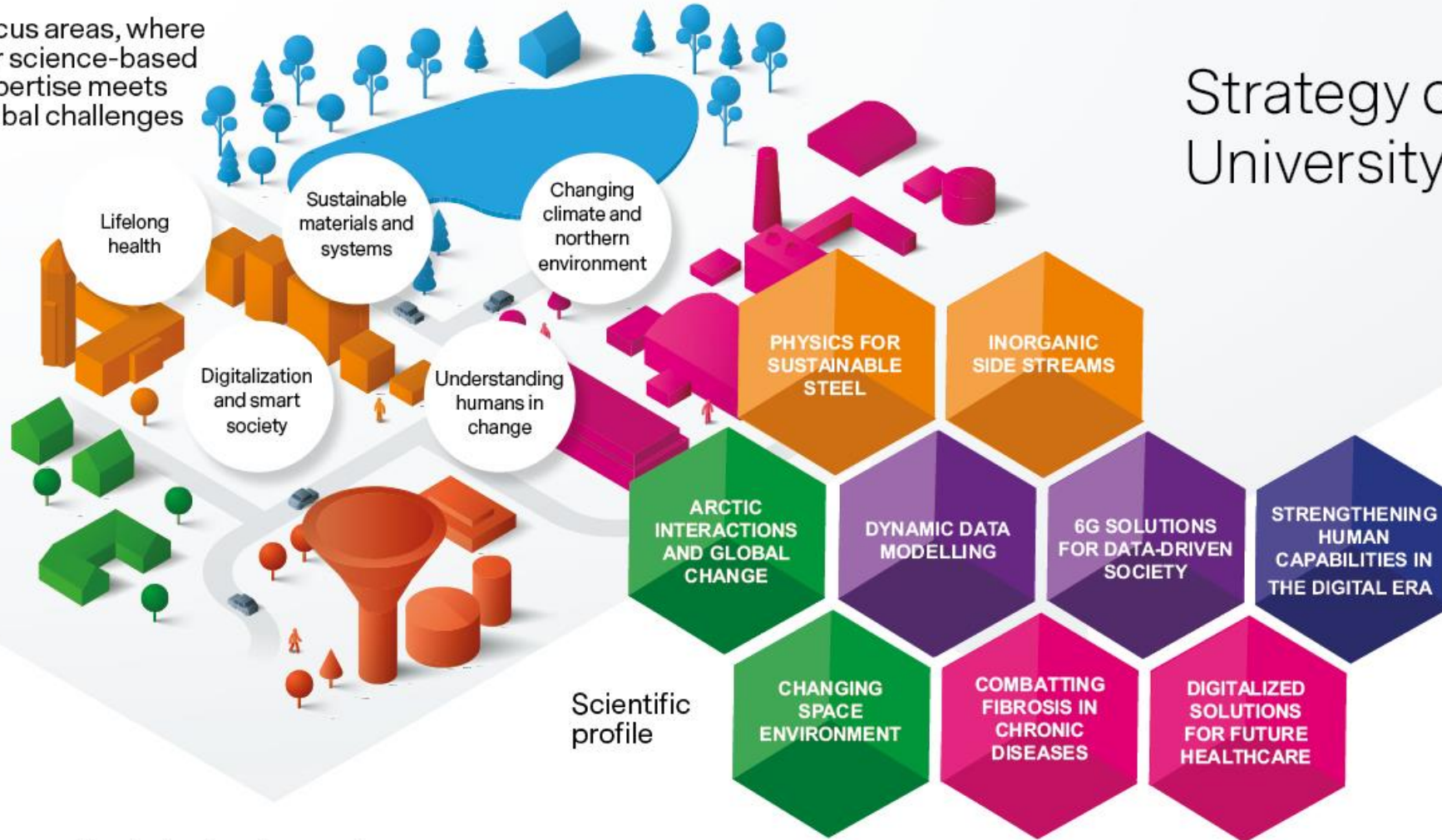
**Taking
responsibility**



**Succeeding
together**

Focus areas, where our science-based expertise meets global challenges

Strategy of the University of Oulu 2020-



Creating new

Taking responsibility

Succeeding together

THE UNIVERSITY COMMUNITY'S VALUES

Strategic development programmes

RESEARCH
High-level impactful research

EDUCATION
Quality education for different parts of life

INNOVATIONS AND ENTREPRENEURSHIP
Entrepreneurial source for research-based innovations

COMMUNITY
Skillful, adaptable, diverse and international community

DIGITALIZATION
High-quality online studies and user-centred digital services

CAMPUSES AND SUSTAINABLE DEVELOPMENT
Inspiring working and studying environment at resource-efficient, green campuses



Focus areas and scientific profile





Sustainable materials and systems



Achievements

- Solutions to manage
- water resources
 - emission load and its mitigation
 - industrial residues
 - material structure analysis

World's strongest steels and advanced concrete



Goals

- New knowledge and technologies for
- sustainable resource management
 - carbon-neutral steel and concrete industries
 - promotion of intelligent circular economy
 - development of new materials

Supporting the change towards zero-waste steel plants and the most advanced steel applications



Changing climate and northern environment



Achievements

- Eco-friendly solutions for industry and land use, especially in the Arctic
- Novel tools to assess the environment and ecosystems in the north
- New leads for drug discovery from Arctic nature
- State-of-the art methods to study near-Earth space and upper atmosphere
- Cosmic particles found to destroy ozone



Goals

- New knowledge, technologies and solutions for
 - biodiversity conservation and production of new biomaterials
 - the Arctic ecosystems' future
 - understanding and advancing human-nature interactions in the north
 - prediction of space weather effects relative to the Arctic upper atmosphere and space
 - understanding the sources of the Arctic geo-environment variability



Lifelong health



Achievements

- Our inventions
- fight obesity
 - provide treatment options for fibrotic and heart diseases
 - offer novel therapeutic and diagnostic tools for osteoarthritis

We discovered a new commercially viable natural and calorie-free **sugar substitute**. The first **renal anaemia drug** and **artificial cornea** were based on our research.



Goals

We aim to understand the interplay of **obesity**, **hypoxia** and **fibrosis** in disease development.

We study the effects of **digitalisation** in teaching, healthcare, health research and society.

We harness our **cohort resources** in big data and multiomic science to understand disease processes in a systems medicine approach.



Digitalization and smart society



Achievements

Home of 6th generation wireless networks.

Several generations of mobile phone technology have been created in Oulu.

We have developed core technologies for machine vision.

Our research has generated large number of start-ups.



Goals

We develop

- the fundamental technology needed to enable 6G and support industry in finalisation of 5G
- novel virtual reality solutions for society
- innovative health technologies
- infrastructures and autonomous measurements.



Understanding humans in change



Achievements

- Our research contributes to the
- creation of a more sustainable and inclusive world
 - empowerment of individuals, communities and economies
 - building of a human-centric digital future.

Resilient individuals, organisations and societies.



Goals

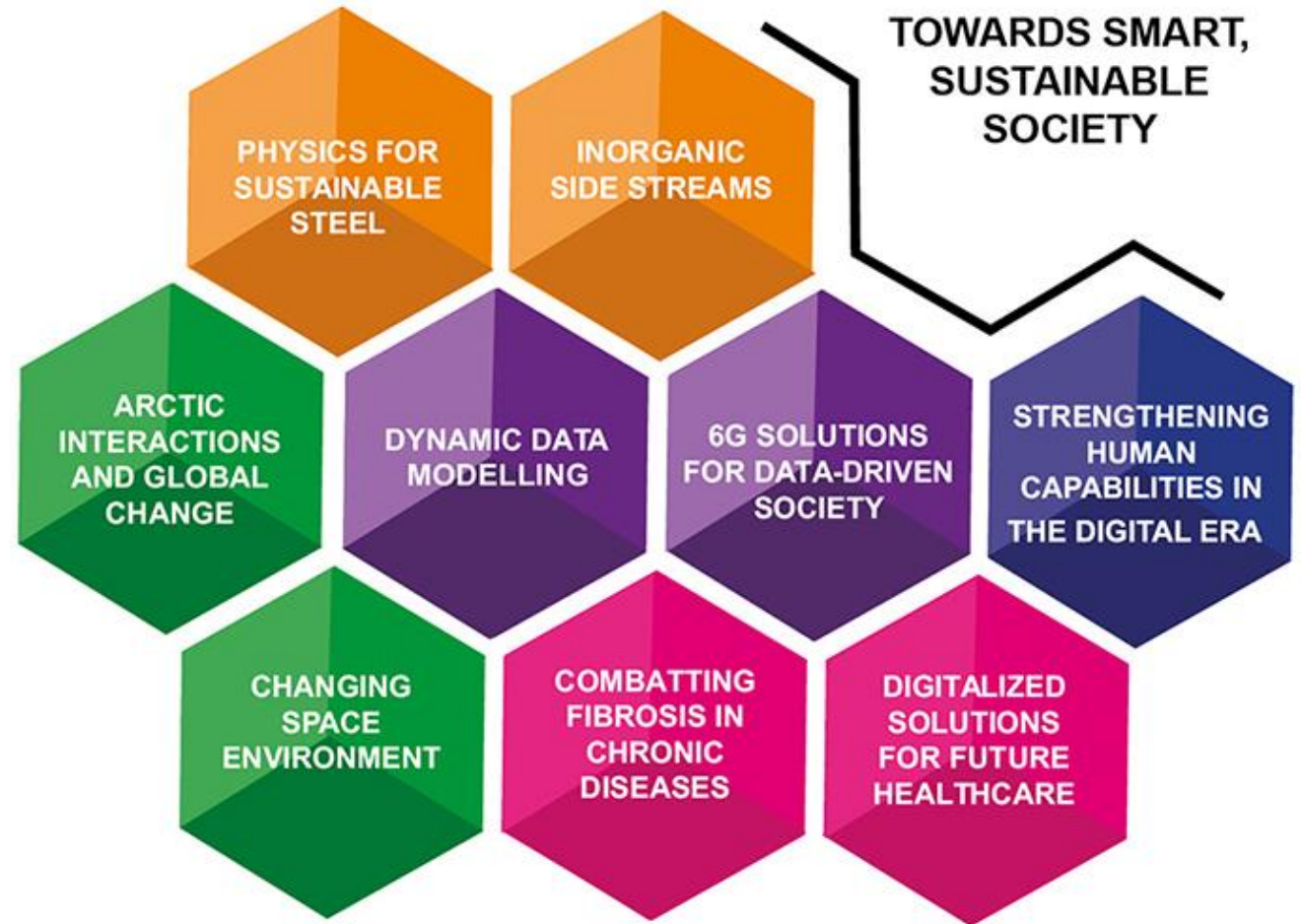
We strive to understand attitudes towards climate refugees and the role of talk and interaction in conflict management.

We study education, childhood, language and how to communicate in a culturally sensitive way.



We are at the international top in our profile fields

Our scientific profile is built on a university with a wide range of specialisations.





High-level impactful research

Our focus areas, profile fields and strategic development programmes will steer the University's development in the coming years.

GOALS

- 1** RISING TO THE INTERNATIONAL TOP IN OUR PROFILE FIELDS
- 2** STRENGTHENING RESEARCH IN EMERGING FIELDS AND MULTIDISCIPLINARY ACTIVITIES
- 3** SYSTEMATICALLY MONITORING AND DEVELOPING THE QUALITY OF RESEARCH
- 4** DEVELOPING HIGH-QUALITY RESEARCH INFRASTRUCTURES
- 5** PROMOTING RESPONSIBLE RESEARCH AND THE UTILISATION OF OPEN INFORMATION

Scientific publications 2020

2 728

Doctoral degrees 2020

143

Research-based spin-off companies since 2000

71



On 9 February 2021, the University of Oulu adopted a declaration of responsibility and transparency in all its research activities.

Open and responsible research

Research produced with public funds and related to published research results is, as a rule, collaborative and transparent.

- Publishing
 - The university encourages researchers to publish in open publishing channels.
- Research data
 - Research data is made and kept findable, accessible, interoperable and reusable.
- Open research infrastructures
- Open source
- Open education
 - Broadening access to learning by lowering barriers and increasing accessibility.



Performance in the major university rankings – within global top 3% *

ARWU (Shanghai)
Academic Ranking of World Universities

401–500 ↑ national ranking 4

Times Higher Education
World University Rankings

251–300 ↑ national ranking 3

QS
World University Rankings

377 ↑ national ranking 5

CWTS Leiden ranking

526 → national ranking 5

NTU
National Taiwan University Ranking

437 → national ranking 6

AppliedHE Rankometer

366 ↑ national ranking 3

* There are around 17,000 to 23,000 universities in the world depending on the method of calculation.



Faculties





Faculty of Biochemistry and Molecular Medicine

Education

- Medical biochemistry and molecular biology

Research

- Protein science and biotechnology as well as cell and molecular biology
- Focus areas include cellular interactions with the extracellular matrix, structure and function of proteins and enzymes, cellular and tissue regulatory networks and cell metabolism, and related diseases

129

Staff

220

Students

**EUR 11
million**

Total funding



Faculty of Humanities

Education

- History, Culture and Communications
- Languages and Literature
- Logopedics

Research

- Cultural change, interaction and human agency
- Learning, language development and difficulties
- Man, well-being and environment
- Northern cultures

174

Staff

1 659

Students

**EUR 12,5
million**

Total funding



Faculty of Education

Education

- Majors in special education, education, psychology, educational psychology, music education and early childhood education

Research

- Main theme of research: education in a changing world
- Seeks solutions for how a person can exert an active influence on changes instead of just reacting to them

161

Staff

1 960

Students

**EUR 13,5
million**

Total funding



Oulu Business School

Education

- Accounting, marketing, international business management, finance, economics and business analytics.

Research

- Role of managerial traits in insider trading, tax noncompliance and other corporate decision-making
- Business dynamics, ecosystems and models in development environments
- The role of renewable energy in the electricity market
- Knowledge-intensive digital products and services and responsible business
- Business relations, services and brands
- International entrepreneurship and open innovation

105

Staff

1 452

Students

**EUR 9
million**

Total funding



Faculty of Science

Education

- Biology, physics, geography and mathematics

Research

- Regional change and people in a changing environment
- The Sun and the Earth's near-space system, space weather and climate change
- Bayesian data analysis and mathematical analysis
- Ecology and genetics
- Galaxies and high-energy astrophysics
- Quantum and molecular phenomena, computational and AI-based process modelling

238

Staff

1 190

Students

**EUR 20,5
million**

Total funding



Faculty of Medicine

Education

- Medicine, dentistry and health sciences
- Medical bioengineering

Research

- Strong research areas include birth cohort and environmental health research, as well as research on cardiovascular diseases and paediatric diseases.
- Emerging research areas include translational research, imaging and medical physics research, as well as individual-centred health care and innovation-driven research enabled by ICT.

525

Staff

1 989

Students

**EUR 33
million**

Total funding



Faculty of Technology

Education

- Fields of education: architecture, geosciences, mining and refining technology, chemistry, mechanical engineering, process engineering, civil engineering, industrial engineering and management, environmental engineering

Research

- Sustainable use of natural resources
- Biomass, mineral and steel processing and knowledge about the application of materials
- Production chains, minimising environmental effects and economic perspectives

430

Staff

2 737

Students

**EUR 34,5
million**

Total funding



Faculty of Information Technology and Electrical Engineering

Education

- Electronics and telecommunications
- Computer science
- ICT
- Business analytics
- Biomedical engineering

Research

- Measuring, electronics and materials, 5G and 6G wireless communications, artificial intelligence, systems, software and experiences.

552

Staff

2 165

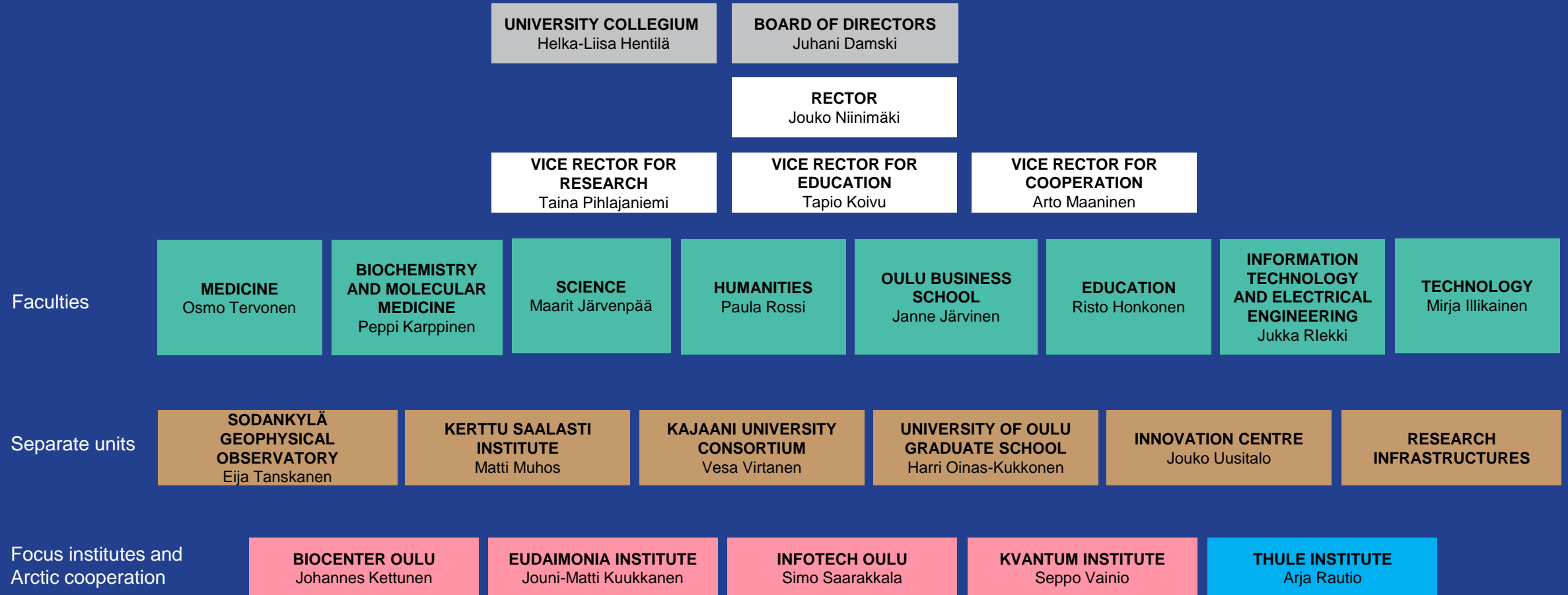
Students

**EUR 41,5
million**

Total funding



Organisation





Education





Quality education for different parts of life

Biosciences 	Humanities 	Education 
Economics and Business Administration 	Natural Sciences and Mathematics 	Medicine and Health 
Engineering and Architecture 	Information and Communication Technologies 	

Degree education:

Bachelor's and Master's degree programmes (22 international programmes) / Licentiate of Medicine

Doctoral training in doctoral programmes

Continuous learning offering:

Open University
Open-path studies and studies for upper secondary schools

Continuing education

Solutions for companies and organizations

13 500 students

1 060 international students

450 exchange students



Our students learn how to solve global challenges

We train skilled and adaptable professionals who are able to apply the latest scientific knowledge and technology to practical challenges.



Climate change and sustainable development

Adequacy of clean water, renewable energy and sustainable use of natural resources are important themes in mitigating climate change.



Health and wellbeing

The importance of health and wellbeing is emphasised as people's life expectancy increases. At the University of Oulu, lifelong health is promoted through strong research information.



Man and the changing world

The changes that are shaking society affect all of our lives. Identifying the effects of the changes will help predict their impact.



Artificial intelligence and digitalisation

The effects of artificial intelligence and digitalisation are everywhere. The aim of new technology is to make people's lives easier.



International cooperation

Participating in international science networks is the foundation for the University's renewal and development.

International Master's Programmes



Different nationalities in the university community



Bilateral cooperation agreements with universities



Erasmus network: No. of agreements



Erasmus network: Partner Universities



13 500

Students

1 060

International students

450

Exchange students



Alumni





65 000+ alumni – including



Leena Peltonen-Palotie
– 2010
2009 Finnish Science
Academician
Helped to found the UCLA
Department of Human Genetics



Jussi Pesonen
President and Chief
Executive Officer, UPM



Kaisa Hietala
Partner, Gaia Consulting Oy
Chairman of the Board of Directors,
Tracegrow Oy
Non-executive director, Kemira Oyj
Has worked as: EVP for Renewable
Products at Neste



Antti Nousjoki
Founding partner ALA Architects
Architect of the Helsinki Central
Library Oodi
Winner of the World's Best Public
Library Award 2019



Martti Ahtisaari
Peace mediator
United Nations diplomat
Nobel Peace Prize laureate 2008
President of Finland 1994–2000



Paula Vanninen
Director of Verifin, Finnish Institute for
Verification of the Chemical Weapons
Convention
Member of the Scientific Advisory
Board of the UN Organisation OPCW
2010–2016



Jarkko Oikarinen (WiZ)
Technical Lead Manager
at Google
Inventor of the first Internet chat
network, Internet Relay Chat (IRC)



Leena Bruckner-Tuderman
Full Professor and Chair, Department
of Dermatology, Medical Center -
University of Freiburg, Germany
Member of the German National
Academy Leopoldina
Member of Berlin-Brandenburg Academy
of Sciences and Humanities



Tytti Tuppurainen
Minister for European Affairs
and Ownership Steering at
Finnish Government
Member of the Parliament
of Finland



Sakari Orava
Sports medicine surgeon,
physician, orthopedist and
professor
Client list includes Real Madrid,
FC Barcelona, Chelsea FC and
Juventus



Erja Sankari
Chief Operating Officer at iLOQ



Anssi Lassila
OOPEAA Office for Peripheral
Architecture
Finlandia Prize for Architecture
2015 for Puukuokka
Among winners of the American
Architecture Prize 2016



Cooperation and Innovation





Research results and expertise for broad use

The University of Oulu's special strength is bringing science and the different actors of society closer together. We want our research results and expertise to be in active use.

Strong competence, innovation and inclusion in international pioneer networks will enable Finland to succeed in the future.

Many innovations that have changed the world have their roots in the University of Oulu.

GOALS

- 1 AN INTERNATIONALLY VALUED INNOVATION PARTNER**
- 2 ACTIVE AND EXPANDING COOPERATION**
- 3 COMMERCIALISING RESEARCH RESULTS AND EXPERTISE**

ACTIVITIES

- Research cooperation
- Patenting inventions and managing the patent portfolio
- Licensing and technology transfer agreements
- Research and laboratory services
- Preparation and financing of commercialisation projects
- Launching a research-based business
- Student theses or case courses



Cooperation and innovations in numbers

Company and stakeholder clients 2020



New Research to Business - projects 2020



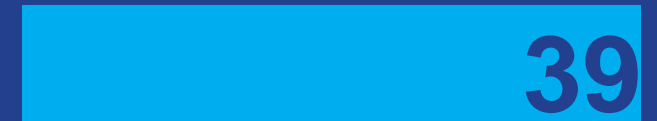
Invention and work disclosures 2020



Patent applications 2020



University-owned patent families 2020



Research-based ne start-ups 2020



9 753 000 €

Business Finland grants 2020

6 469 000 €

University business 2020

503 000 €

Share of foreign companies 2020



6G

ICT

6G Flagship

- 5G commercialisation, new application areas
- Development of 6G technology, new frequencies and the solutions they require

TimeGate

- Pulsed picosecond laser Raman spectroscopy
- Fluorescence-free Raman spectrum

Visidon

- Photo and video image enhancement technology
- Computer vision and facial recognition methods



Well-being technology

- The development of the world's first wireless heart rate monitor. Seppo Säynäjäkangas, Professor of Electrical Engineering, founded a company in 1977 to manufacture personal pulse monitors.
- The Oura wellness ring for sleep, activity and recovery tracking
- The Onnikka weight management system – aims to influence the thoughts and attitudes of the dieter



Biomedical research

- Discovery and commercialisation of new treatments and diagnostic practices, e.g. assessment of knee joint condition in osteoarthritis
- Pharmaceutical development for the treatment of fibrotic diseases, among others, together with Nasdaq-listed FibroGen Inc., which the University of Oulu was involved in establishing
- Development of a commercially viable method for production of a natural, calorie-free sweetener that tastes like sugar



Oulu Innovation Alliance

The strategic consortium of eight contractual partners focuses its research, development and innovation in Oulu on three strategic areas and one common, cross-cutting theme:

1. **Digitalisation in the changing urban environment**
2. **The OuluHealth ecosystem**
3. **Sustainable circular economy and clean solutions**

Startup entrepreneurship, competence and continuous learning, as well as the enterprise ecosystems and support thereof





Versatile research equipment and environments

- ICT testing and development services
- Manufacturing and prototyping services
- Research services for metal and mining industries
- Process industry research services
- Construction research services
- Medical research services
- Research services in biochemistry and biomedicine
- Research services in the field of natural resources
- Educational and cultural services



Campuses





University of Oulu

Linnanmaa campus, Oulu
Kontinkangas campus, Oulu
Sodankylä Geophysical Observatory
Kajaani University Consortium
Kokkola University Consortium
Kerttu Saalasti Institute, Nivala
Oulanka Research Station, Kuusamo



Linnanmaa Campus

Botanical Gardens

Natural
Sciences and
Mathematics

Education

Economics
and Business
Administration

Oulu University of
Applied Sciences

Humanities

Engineering
and Architecture

Information and
Communication
Technologies

Student housing

Student housing



Kontinkangas Life Science Campus

Oulu University of Applied Sciences

ICT, health and bio companies

Oulu City Hospital

Student housing

University Hospital

Biosciences

Medicine and Health

Dentopolis



Oulu City Campus

Station Centre





Focus institutes

Focus institutes promote multidisciplinary

SUSTAINABLE
MATERIALS
AND SYSTEMS

CHANGING
CLIMATE AND
NORTHERN
ENVIRONMENT

DIGITALIZATION
AND SMART
SOCIETY

LIFELONG
HEALTH

UNDERSTANDING
HUMANS IN
CHANGE

- Promoting multidisciplinary and internationally significant research in the five focus areas in accordance with the university strategy
- Promoting cross-faculty research cooperation, researcher interaction and community spirit
- Supporting multidisciplinary spearhead projects based on international evaluation
- Engaging in foresight work and initiating new research projects
- Supporting and developing doctoral education in each focus area
- Strengthening international networking
- Promoting the popularisation of science and participating in business and other stakeholder cooperation



Kvantum Institute

Research topics

- Natural and anthropogenic drivers of climate change
- Processes and interactions of the ionosphere, atmosphere and cryosphere
- The response of ecosystems to global changes
- Developing more sustainable materials with a lower environmental impact for industry
- Reducing environmental impacts with intelligent control and production systems

SUSTAINABLE
MATERIALS
AND SYSTEMS

CHANGING
CLIMATE AND
NORTHERN
ENVIRONMENT



UNDERSTANDING
HUMANS IN
CHANGE

Eudaimonia

Research topics

- What phenomena, processes and practices are involved in changes?
- How do changes affect individuals, communities and cultures?
- How do people face change?
- How can human competence and ability be supported as part of the global change?

*Aristotle and the Greek language:
εὐδαιμονία – good and prosperous life,
spiritual prosperity, true happiness and
good spirits*



Infotech Oulu

Research topics

- Various aspects of modern information technology, including digital technologies, wireless sensors and networks, artificial intelligence, computer vision and electronics
- The development of new methods to strengthen the digitalisation of society
- Ways in which people, communities and societies absorb digital technologies

DIGITALIZATION
AND SMART
SOCIETY



LIFELONG
HEALTH

Biocenter Oulu

Research topics

- Human life at molecular and physiological level, as well as effects of environmental, social and psychosocial factors
- Combining medical and ICT expertise to create digital health innovations

Development of research infrastructures in national and international networks



University of the Arctic

University of the Arctic is a cooperative, multidisciplinary **network of over 200 universities, research institutes and other organizations** concerned with education and research related to the Arctic.

Arctic Agenda

Research and innovation regarding e.g. sustainable utilization of natural resources, near-Earth space environment, logistics, technology, and cultures in the Arctic.

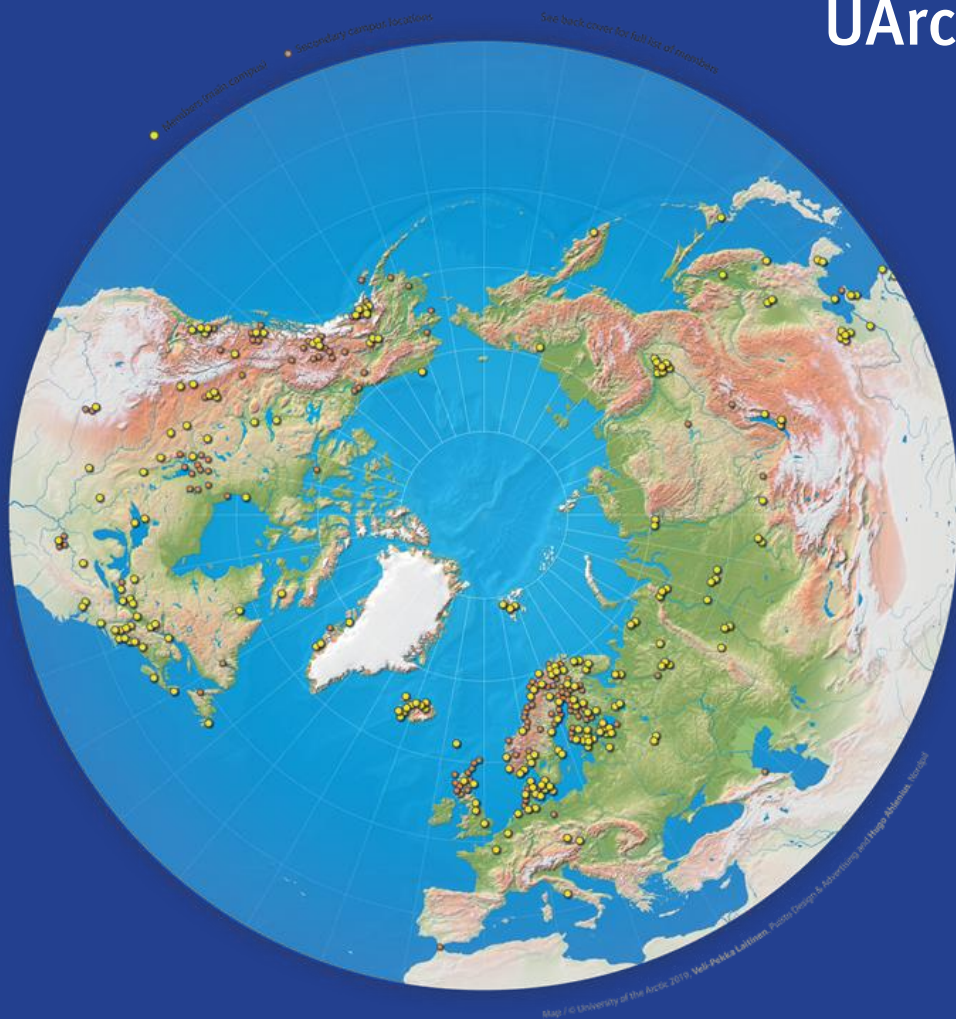
Joint arctic agenda in collaboration with

Luleå University of Technology, Sweden

Umeå University, Sweden

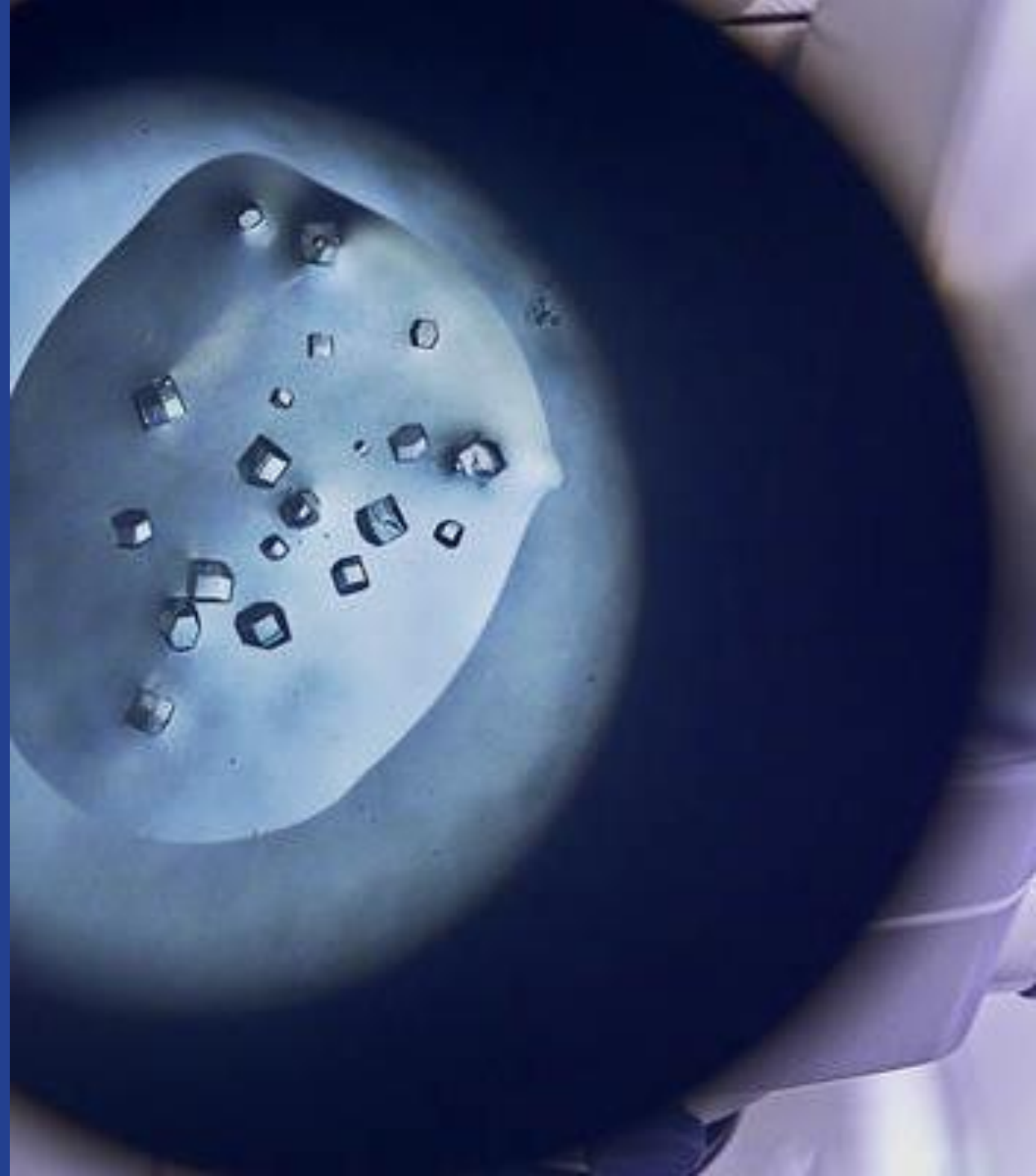
UIT The Arctic University of Norway

University of Lapland, Finland





Infrastructure





University-level infrastructures

BCO CORE

Biocenter Oulu infrastructure centre

Biodiversity Unit

Zoological Museum, Botanical Museum and Botanical Gardens

OULAC

Oulu Laboratory Animal Centre

LeaF infrastructure

Learning environment

CMA

Centre for Material Analysis

Oulanka Research Station

Regional unit in Kuusamo.



International infrastructures whose national coordination is carried out at the University of Oulu

- INFRAFRONTIER, European research infrastructure for the analysis, conservation and distribution of genetically modified mice
- EISCAT and EISCAT_3D, Scattering radars measure the connection of the geospace environment to the Earth's atmosphere in the Auroral Zone and on the edge of the Polar Vortex
- MAX IV, Next-generation synchrotron radiation source



Infrastructure networks approved for the Roadmap for Research Infrastructures of the Academy of Finland, with the University of Oulu as a coordinator or member

National coordination

- PII, Printed Intelligence Infrastructure
- FUWIRI, Research Infrastructure for Future Wireless Communications
- E2S, Earth-space research ecosystem

Participant in eight Roadmap infrastructures

- Biocenter Finland, bioscience and medical infrastructures
- BBMRI, Biobanking and BioMolecular Resources Research Infrastructure
- EuBI, European Research Infrastructure for Biomedical Imaging
- FinStruct, Structural Biology Finland
- FIRI-PBS, Finnish Research Infrastructure for Population Based Surveys
- FINN-EPOS, European Plate Observing System
- FCCI, Finnish Computing Competence Infrastructure
- FinBIF, Finnish Biodiversity Information Facility



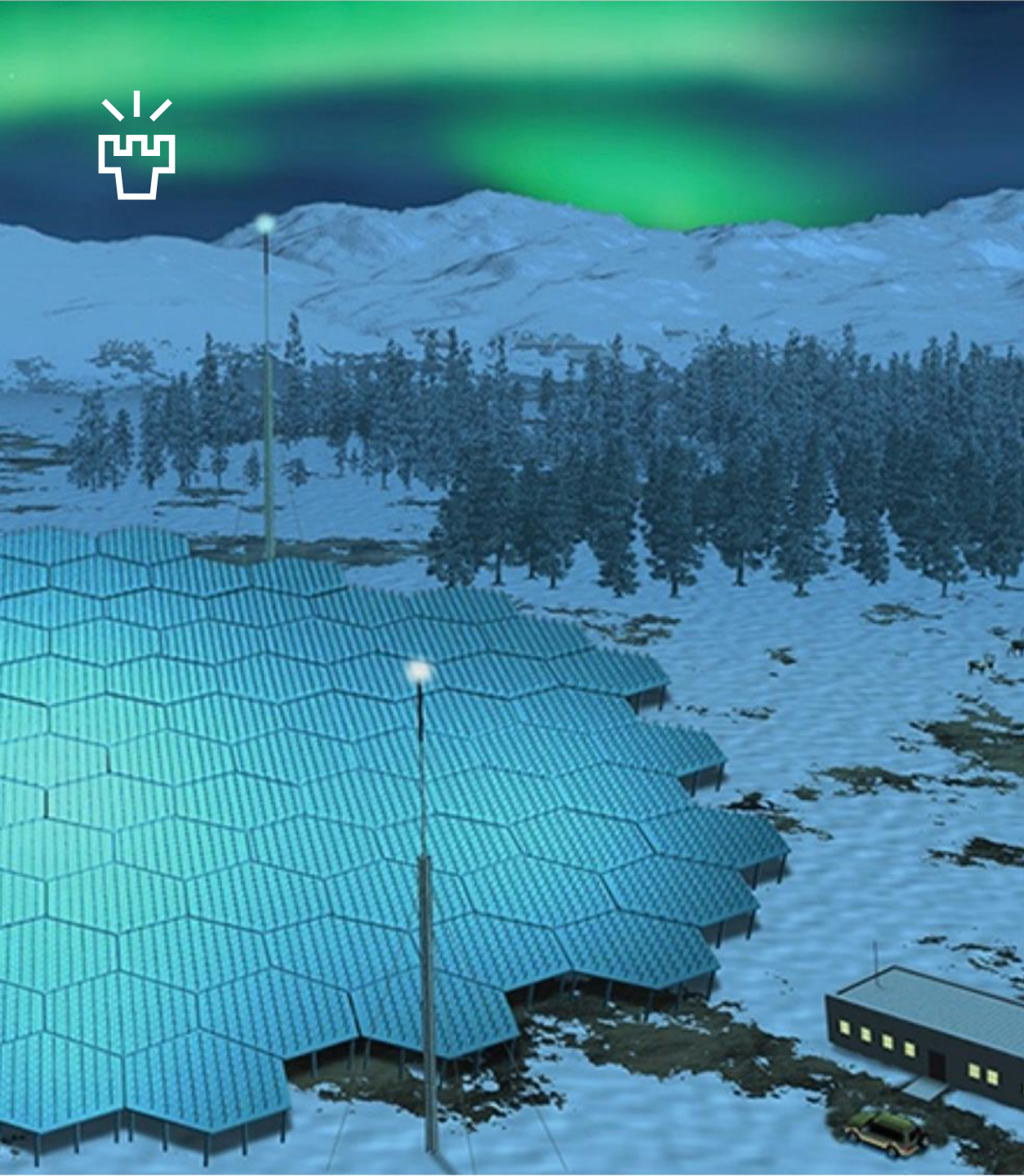
Other major infrastructures

- Biobank Borealis of Northern Finland consortium (University of Oulu, hospital districts of Northern Finland and Nordlab laboratory)
- Northern Finland Birth Cohorts 1966 and 1986
- OBI, Oulu BioImaging (University of Oulu and Oulu University Hospital OYS)
- Minipilot mining laboratory
- Virtual Oulu, open interactive 3D city model
- Virtual Campus, open innovation platform for 3D applications



Regional units





Sodankylä Space Campus

Areas of responsibility and research of the University of Oulu

- Monitoring of the Arctic environment
- Monitoring and research of natural hazards
 - Magnetic storms, solar storms, natural radio interference, pulsations, seismics, cosmic particles
- Northern Lights research and forecasts
- Space safety 24/7

36

Staff

EUR 3 million

Total funding



Kajaanin Yliopistokeskus

Kajaani University Consortium

The Kajaani University Consortium consists of four networked universities (Eastern Finland, Lapland, Jyväskylä and Oulu).

Areas of responsibility and research of the University of Oulu

Coordination of the activities of the university centre

- Electrical and information technology, biotechnology, computer science, medicine and adult education

Research focuses on measurement technology – Measurement Technology Research Unit

- Two application areas: cleantech and health & well-being, in which there is sensor development and online analytics
- Main focus is on the bioeconomy

40

Staff

EUR 3 million

Total funding



Kerttu Saalasti Institute

The University of Oulu's Kerttu Saalasti Institute focuses on research and education related to on micro-enterprises and their operating conditions.

The main office of the Institute is in Nivala, and the core region of operation southern part of Northern

3 research groups

- Micro-entrepreneurship Center of Excellence MicroENTRE®
- Future Manufacturing Technologies (FMT)
- Regional Excellence (REx)

Micro-entrepreneurship online training

- Continuing education
- Open University education
- Coming: EMBA in micro-entrepreneurship and specialisation training in entrepreneurship education

42

Staff

EUR 3,5 million

Total funding



Kokkola University Consortium Chydenius

Kokkola University Consortium Chydenius is a multidisciplinary university consortium formed by the universities of Jyväskylä, Oulu and Vaasa. Its activities are coordinated by the University of Jyväskylä.

The Applied Chemistry Research Group is part of the Research Unit of Sustainable Chemistry at the University of Oulu.

Focus areas of research of the University of Oulu in Kokkola

- Energy storage of new inorganic materials in Li-ion batteries
- Inorganic catalytic materials and processes for biomass processing
- Chemical precipitation and coagulation, inorganic adsorbents in (waste) water and process water treatment
- Solubilisation, solution purification and precipitation in an inorganic industrial circular economy

37

Staff

EUR 2 million


Total funding



Education of the University of Oulu at the Kokkola University Consortium Chydenius

The education of the University of Oulu in Kokkola is fully integrated into the Degree Programme in Chemistry

- M.Sc. Degree in Chemistry of Sustainable Processes and Materials (inorganic chemistry + process technology)
- Open University education
- Postgraduate studies in science (Ph.D. in chemistry, D.Sc. in chemical technology)
- Cooperation with Centria in the field of higher education in chemistry and chemical technology



OULU





OULU

NORTHERN, HUMANE AND SMART OULU



HOME OF 208,000 PEOPLE



AVERAGE AGE OF RESIDENTS 39

EASILY REACHABLE NORTHERN GROWTH CENTRE



 **OULU**

Quality of life

COMFORTABLE LIVING

VERSATILE POSSIBILITIES FOR LEISURE ACTIVITIES

SERVICES THAT WORK SMOOTHLY

EVERYWHERE IN 20 MINUTES

Nearly 80% of Oulu residents estimate their quality of life is good.
(Organisations & governance surveys and studies 2020, FCG)

Overall satisfaction with services in Oulu is at a good level (3,75/5) and has increased in recent years. (Organisations & governance surveys and studies 2020, FCG)



Jobs, innovations and trade



**CITY OF TECHNOLOGY – MOST R&D INVESTMENTS IN FINLAND
PROPORTIONATE TO THE NUMBER OF INHABITANTS**

**STRONG BASIC INDUSTRY – WOOD, CHEMISTRY,
STEEL, AND RELATED INNOVATIONS**

**TRADE, CONSTRUCTION,
ARCHITECTURE AND DESIGN**

**TOURISM AND SERVICES AS GROWING
INDUSTRIES**

Leisure

CYCLING CAPITAL OF FINLAND

CITY CLOSE TO NATURE, SEA AND RIVERS

ENJOY SPORTS AND EXERCISE OUTDOORS AND INDOORS

- There is more than **900 km** of purpose-built roads for pedestrian and bicycle traffic in the Oulu region.
- Cycling is especially common among schoolchildren (more than 50% of school trips by bike).
- Oulu has been ranked as **the best winter biking city** in the world.
- Finland's most comprehensive **bicycle route guidance** has been implemented in the Oulu region (2019).



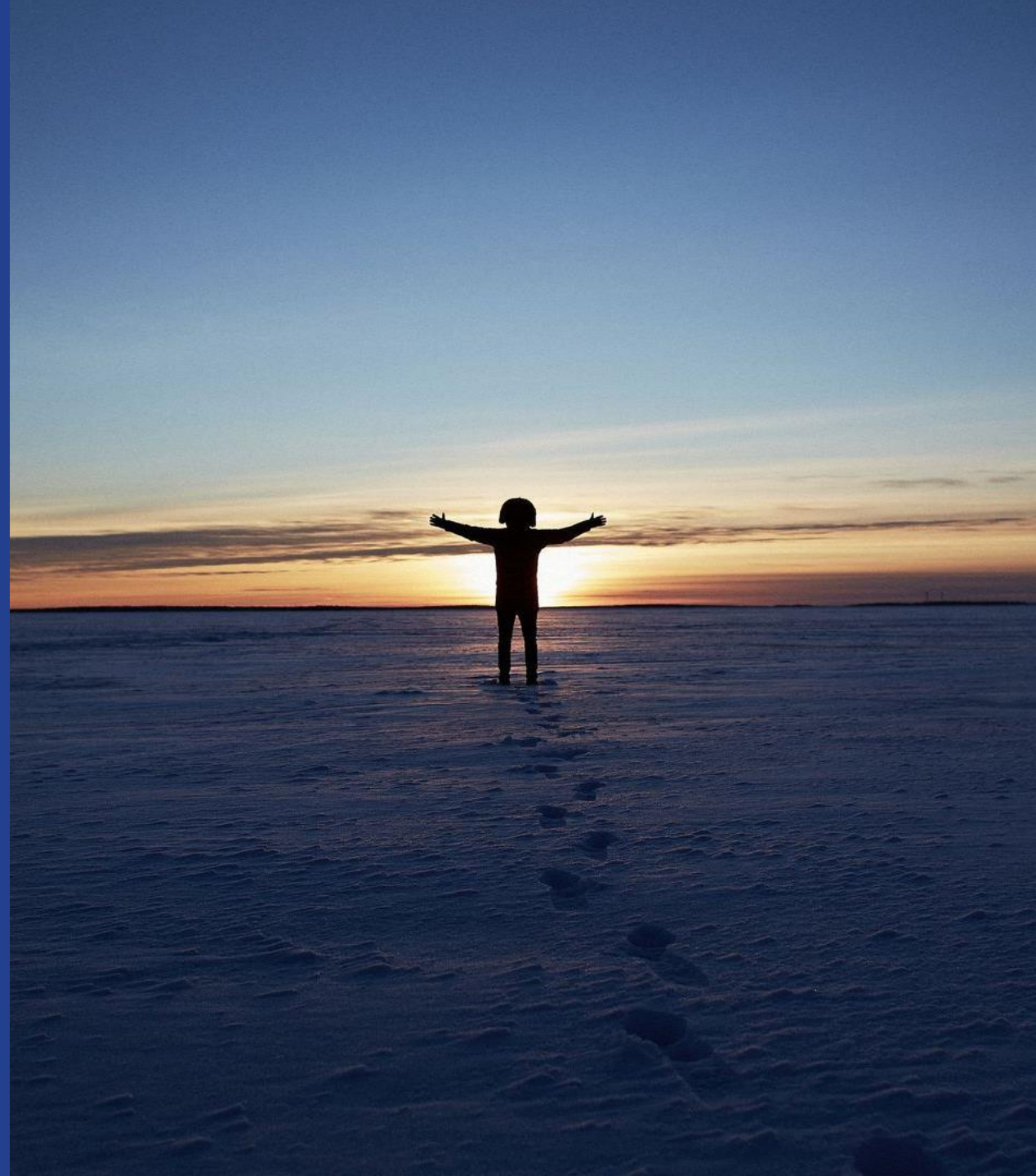


OULU EUROPEAN CAPITAL OF CULTURE 2026





University of Oulu history

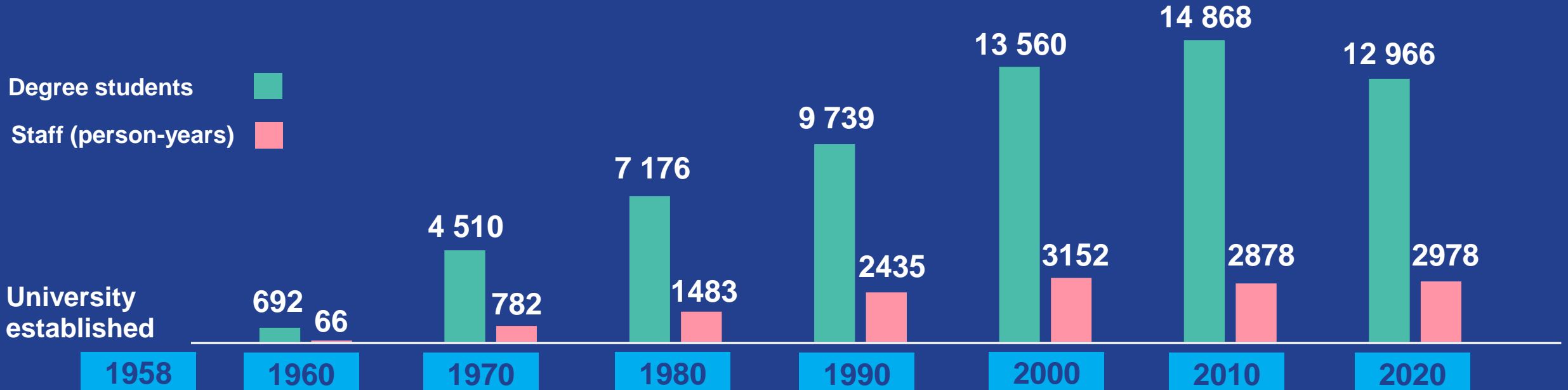


Minister of Education Kerttu Saalasti had a strong influence to the establishment of the University of Oulu. President Urho Kekkonen signs the law proposal of establishment of the University of Oulu on 25 October 1957.





The first 60 years of the University of Oulu



University established

Faculties

- 3** University operations start
 - Faculty of Philosophy
 - Faculty of Technology
 - Faculty of Medicine
- 4** 1972 Faculty of Philosophy was divided into
 - Faculty of Humanities
 - Faculty of Science
- 5** 1974 Faculty of Education merged with the former Teacher Training Institute, was established
- 6** 2000 Faculty of Economics was established. (2014 named as Oulu Business School)
- 10** 2014 New faculties
 - Faculty of Information Technology and Electrical Engineering
 - Faculty of Architecture
 - Faculty of Mining
 - Faculty of Biochemistry and Molecular Medicine
- 8** 2018 Faculty of Architecture and Faculty of Mining were merged with the Faculty of Technology and named as Oulu School of Architecture and Oulu Mining School



#arcticattitude

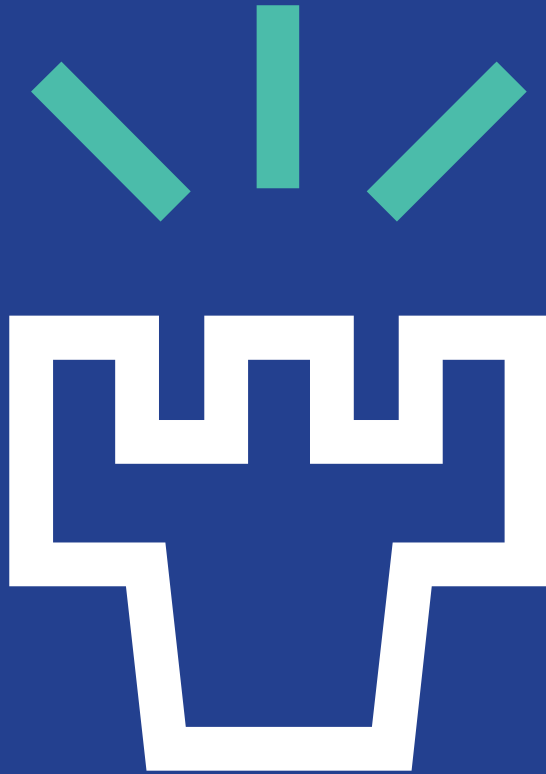
We are situated close to the Arctic region, humanity's new frontier. The demanding conditions of the far north have always forced people to be inventive and resourceful, and many innovations that have changed the world have their roots here.

At the University of Oulu, we call this Science with Arctic attitude.



Thank you!





**UNIVERSITY
OF OULU**



Key figures

International rankings

251–526

top 3%
of the world's universities

Funding total in 2020 M€

250

Research based spin-off
companies since 2000

71

Invention disclosures in 2020

36

2 728
Scientific publications
in 2020

Bachelor's degrees in 2020

1 173

Master's degrees in 2020

1 509

Doctor's degrees in 2020

143

2 825
Degrees in 2020