



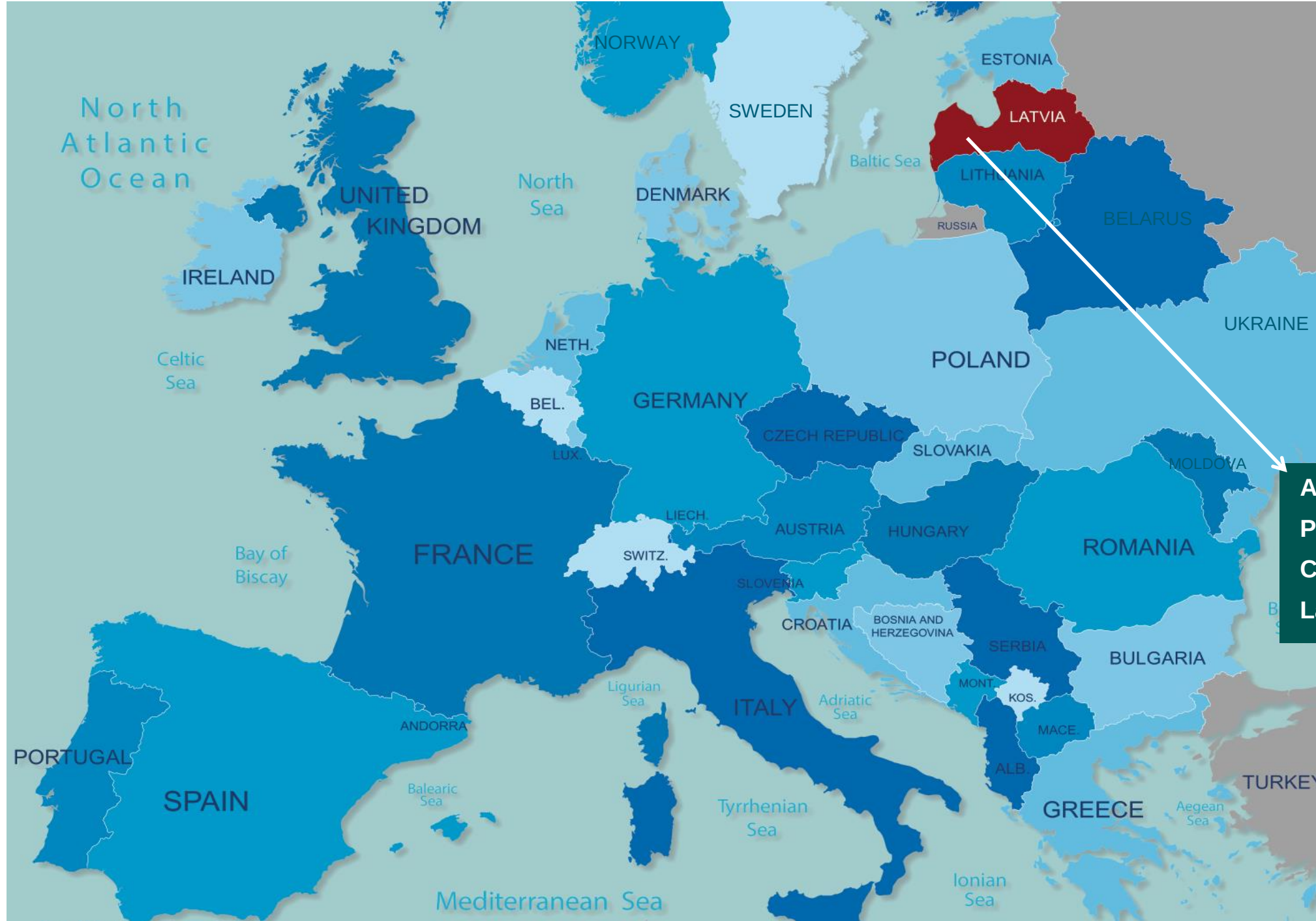
RIGA TECHNICAL UNIVERSITY

Latvian Centre of Engineering Sciences

ANNO 1862



**RIGA TECHNICAL
UNIVERSITY**



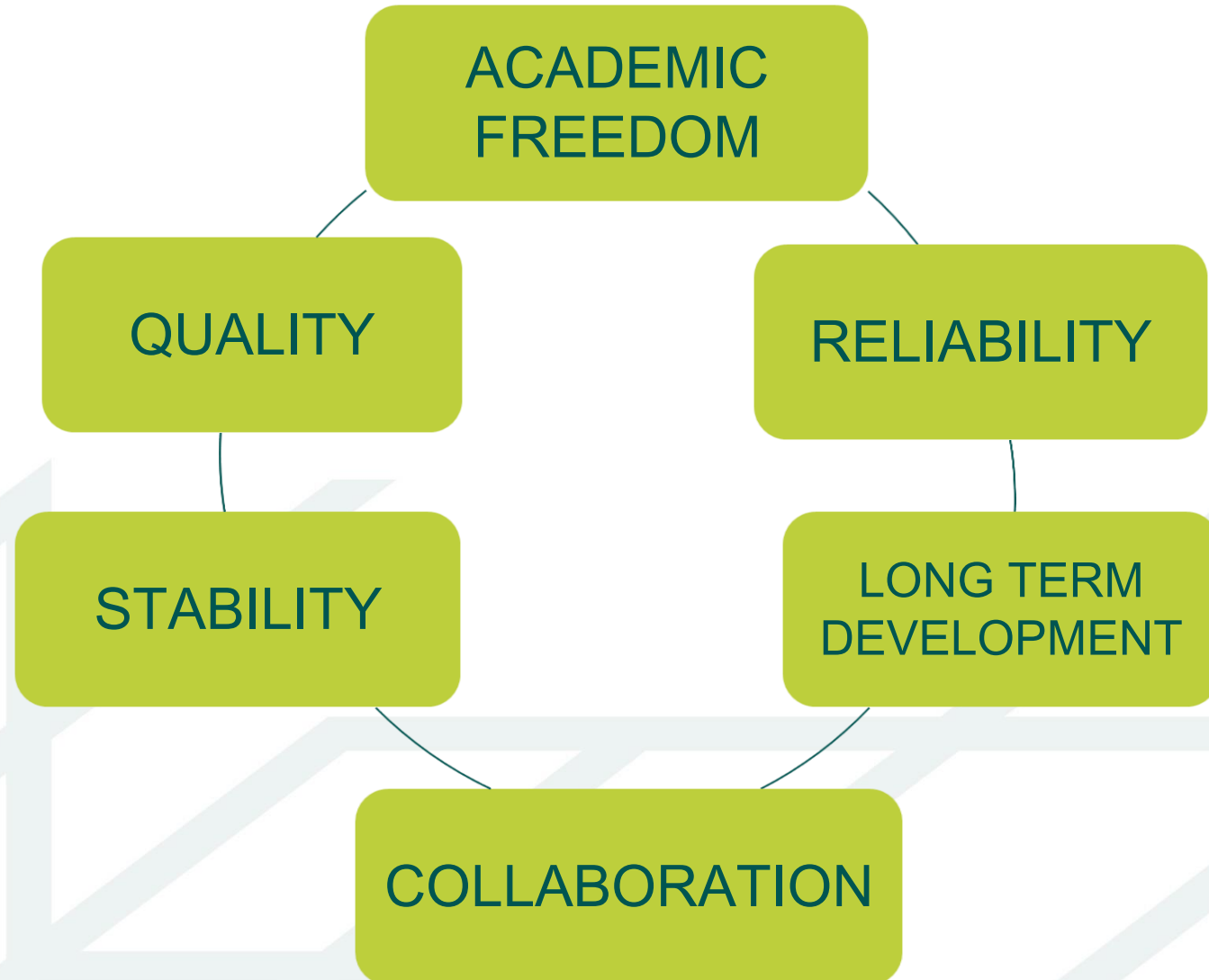
Area – 65 000 km²
Population – 2 million
Capital – Riga
Language – Latvian

RTU was established in 1862



**Oldest technical university
in the Baltic states**

RTU VALUES



RTU STRATEGY 2014 – 2020

MISSION

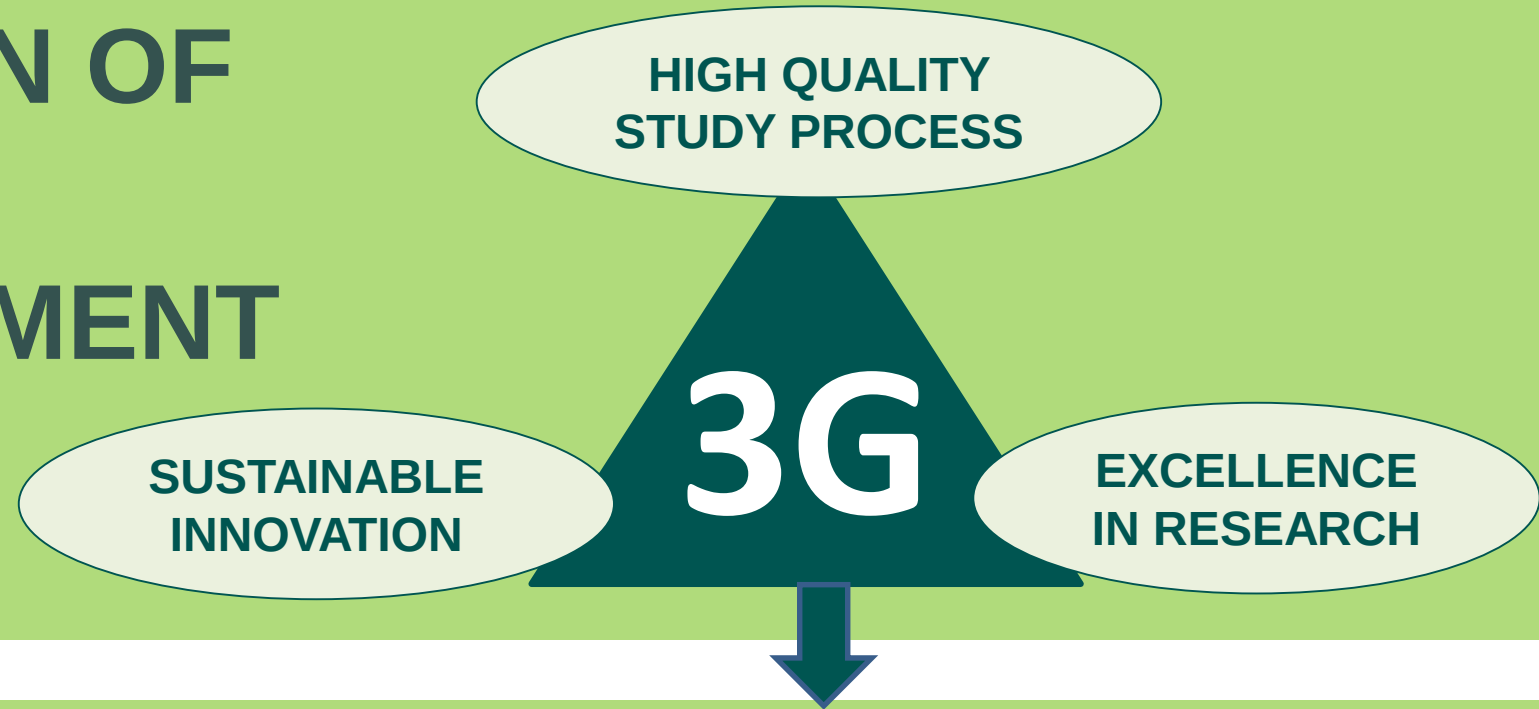
To ensure internationally competitive high quality scientific research, tertiary education, technology transfer and innovation for Latvian national economy and the society

VISION

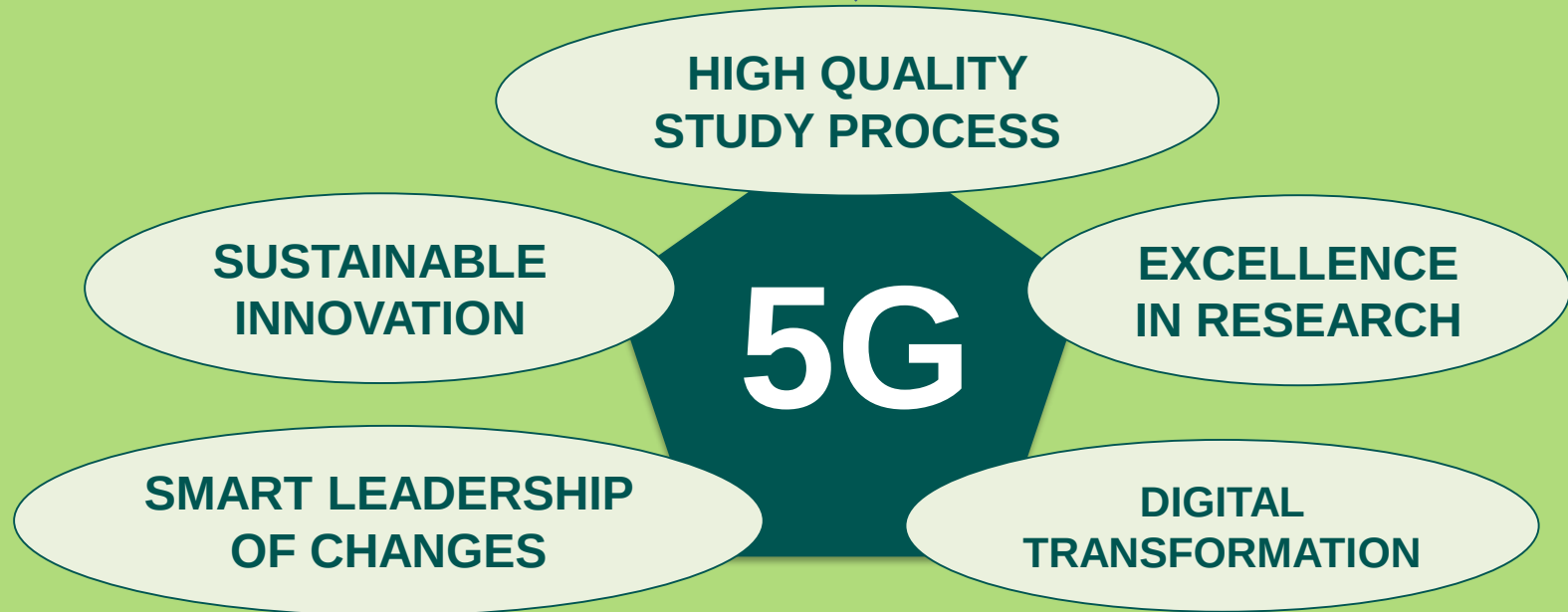
Riga Technical University – a modern and prestigious university, internationally recognised as the leading university of science and innovations in the Baltic States – a cornerstone of the development of Latvia



DIRECTION OF RTU DEVELOPMENT



FUTURE VISION



PRIORITIES



NOTABLE ALUMNIS

- **Wilhelm Ostwald** - Nobel prize winner in chemistry
- **Paul Walden** - world-wide known chemist / Walden inversion
- **Friedrich Zander** – rocketry and spaceflight pioneer
- **Andris Berzins** – former President of the Republic of Latvia
- **Valdis Dombrovskis** - EC Commissioner – executive vice-president



FACTS & FIGURES



15.000 STUDENTS

18% FOREIGN STUDENTS

600 PhD STUDENTS



MORE THAN
160.000
ALUMNI



11 STUDY BRANCHES



48 STUDY PROGRAMS
COMPLETELY TAUGHT IN ENGLISH

1120 ACADEMIC STAFF AND
RESEARCHERS

4 STUDY CENTRES: CESIS, LIEPAJA,
VENTSPILS, DAUGAVPILS



RTU ENGINEERING HIGH SCHOOL



FACULTIES (schools)

- COMPUTER SCIENCE & INFORMATION TECHNOLOGY
- ELECTRONICS & TELECOMMUNICATIONS
- ELECTRICAL & ENVIRONMENTAL ENGINEERING
- MATERIAL SCIENCE & APPLIED CHEMISTRY
- MECHANICAL ENGINEERING, TRANSPORT & AERONAUTICS
- CIVIL ENGINEERING
- ARCHITECTURE
- ENGINEERING ECONOMICS & MANAGEMENT
- E-LEARNING TECHNOLOGIES & HUMANITIES



CAMPUS IN KIPSALA



RIGA TECHNICAL
UNIVERSITY



Located in a green environment in the heart of Riga

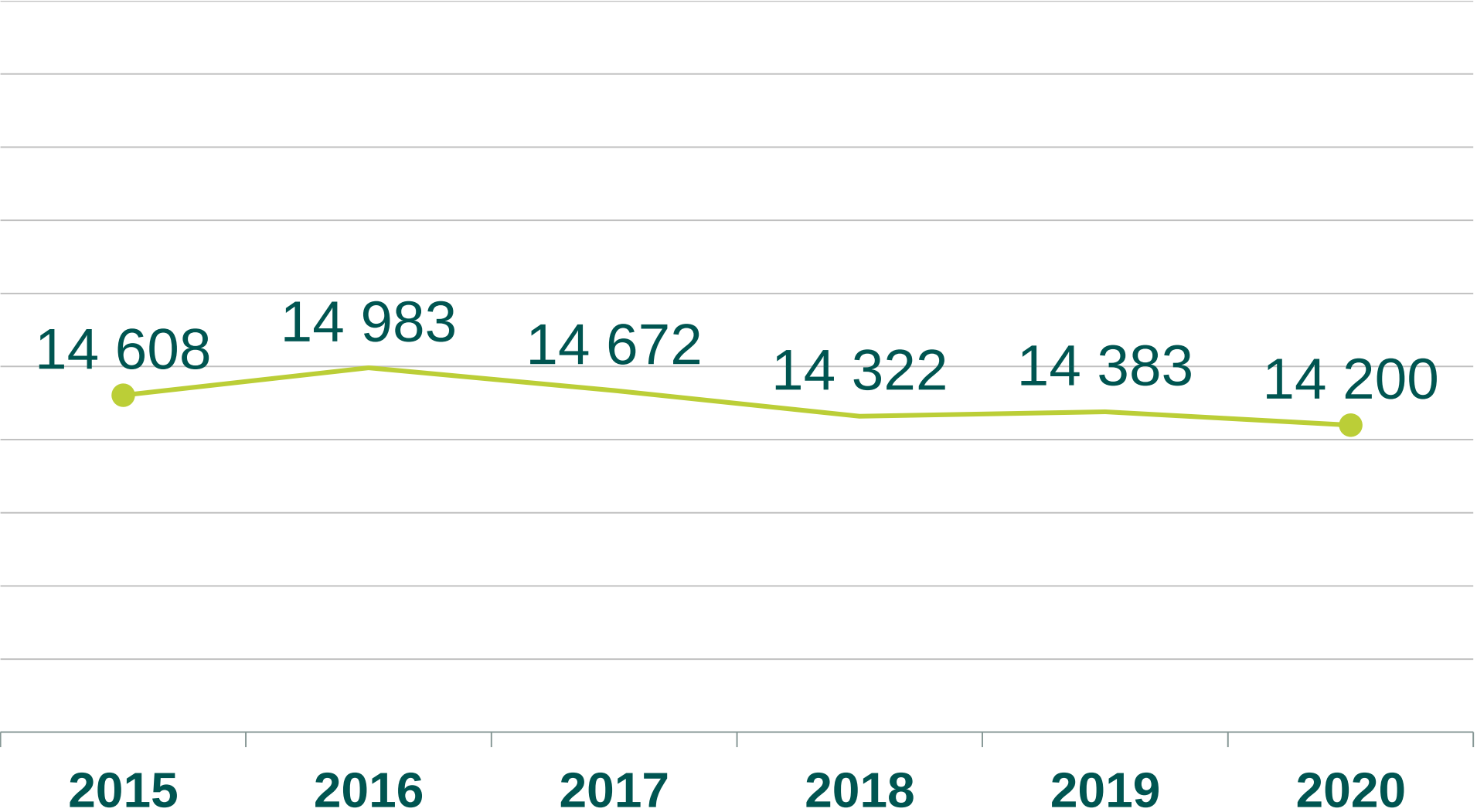
STUDY PROCESS

DOCTORAL STUDIES
4 YEARS

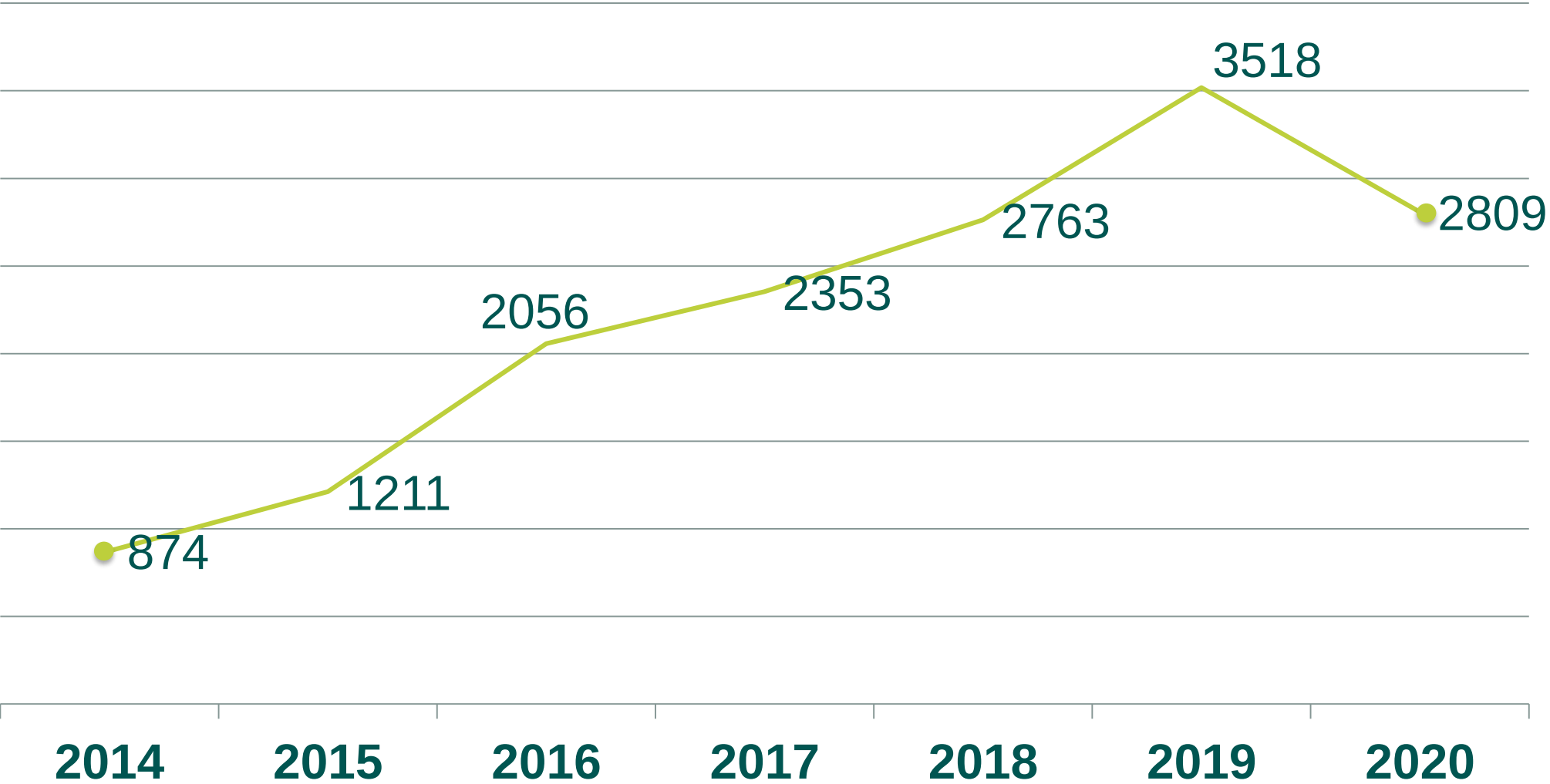
MASTER STUDIES
1-2 YEARS

BACHELOR STUDIES
3-5 YEARS

NUMBER OF STUDENTS



NUMBER OF FOREIGN STUDENTS



RECOGNITIONS



SUSTAINABILITY
INDEX 2020
**PLATINUM
CATEGORY**

RECOGNITIONS

«QS World University Ranking»

2021 RTU takes place 701. – 750.



RECOGNITIONS

«QS World University Rankings by Subject» 2020

RTU has been recognized as one of the 500 best universities in engineering and technologies.



RECOGNITIONS

«QS Emerging Europe and Central Asia (ECCA)» 2020

RTU takes the 54th place



RECOGNITIONS

European Ranking of Engineering Programs 2019 «EngiRank»



Results:

- Innovation – 16th place;
- Research effectivity – 7th place;
- **RTU civil engineering programmes – 6th place!**

RESEARCH PLATFORMS



RIGA TECHNICAL
UNIVERSITY

ENERGY & ENVIRONMENT

- Renewable and Alternative Sources of Energy and Technologies for their Conversion, Energy Saving and Efficiency, Environmental Technologies and Quality Management

CITIES & DEVELOPMENT

- Interaction of Multifactor in Landscape Development, Real Estate Process Prognoses

INFORMATION & COMMUNICATION

- Modeling and Simulation, Distributed Artificial Intelligence, Viable Systems Approach, Hybrid Simulation-Based Optimization Tools, Smart Networks, Capacity Automatics, Communications in Optical Grids, Smart Lighting Grids

TRANSPORT

- Unmanned Aircraft Design, Aeronautics & Space Technologies, Vehicles Design, Railway & Auto Transport, Transport Economics & Logistics, Mechanics & Non-Linear Dynamics, Biomechanics, Vibration Technologies, Robotics & Automation, Mechatronics, CAD-CAM Technologies

MATERIALS, PROCESSES

- Composite Materials, Nanoparticles & Nanocoverage, Biomaterials, Arterial Implants, Materials for Optoelectronics & IT, Microclimate Regulated Clothing, Bionano & Microsensors, Supperelastic Pressure Sensors, Electrochemical Surface Coverage, Sol-Gel Technology, Organic Synthesis of Compounds & Materials

SECURITY & DEFENSE

- Electrical Controls, Power Quality & Delivery Safety, Water Safety, Human Safety, Cyberphysical Systems, Customs & Border Protection

RESEARCH PROJECTS

- HORIZON 2020
- EU 7TH FRAMEWORK PROJECTS
- EUROPEAN SPACE AGENCY PROJECTS
- EU STRUCTURAL FUND PROJECTS
- NATIONAL STATE FUNDED RESEARCH PROJECTS
- INTERNAL RESEARCH PROJECTS



RTU DESIGN FACTORY



«A place where students and scientists can simply DO!»



NETWORKS

CESAER

conference of european schools
for advanced engineering education
and research



EUA

European University Association



European Society for Engineering Education
Europäische Gesellschaft für Ingenieur-Ausbildung
Société Européenne pour la Formation des Ingénieurs



University Industry
Innovation Network

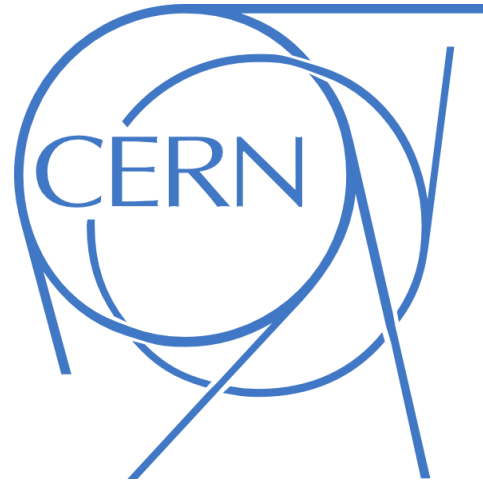


WORLD CUSTOMS ORGANIZATION

NETWORKS



NETWORKS



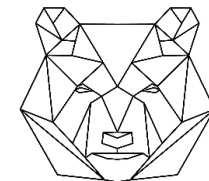
More than 50 different international and local associations in faculties

RTU STUDENTS PARLIAMENT

RTU SP – OLDEST STUDENT SELF-GOVERNMENT IN LATVIA



RIGA TECHNICAL
UNIVERSITY



STUDENTU PARLAMENT S

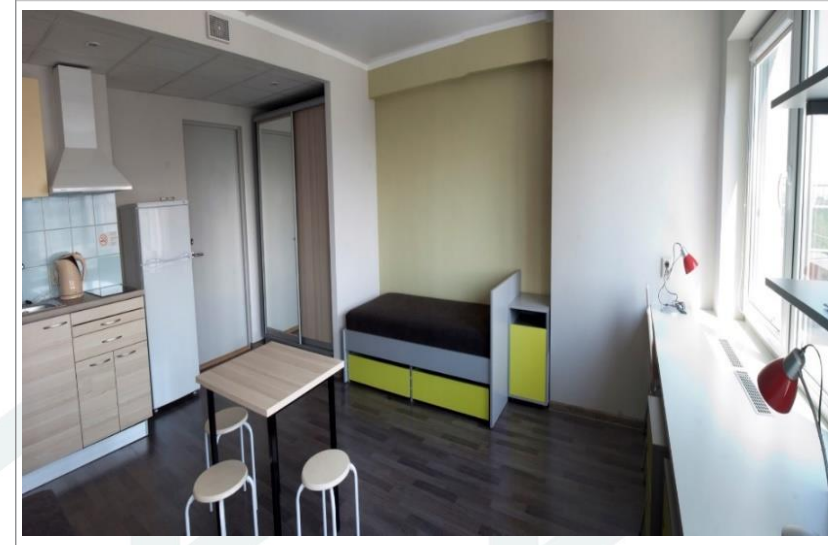
EST. 1992

STUDENT ACTIVITIES



RTU offers on campus accommodation in a fully equipped modern dormitory building

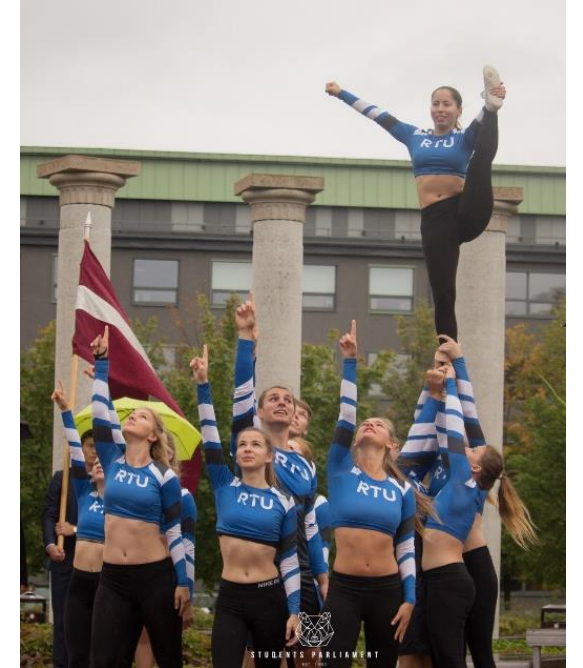
Right across the campus, students have access to a large shopping mall, and the dormitory is within a walking distance from most of RTU faculties.



SPORT ACTIVITIES

RTU - most athletic university in Latvia!

- 20 sport lesson types
- RTU owns Olympic swimming pool and recreation centre «Ronisi» located by the sea
- Professional teams in floorball, football, basketball, volleyball



CULTURAL ACTIVITIES

- Folk dance ensemble «VEKTORS»
- Mixed choir «VIVERE»
- Male choir «GAUDEAMUS»
- Female choir «DELTA»
- Brass band «SPO»
- RTU Big band
- String ensemble «GAIVA»
- Vocal ensemble «JAUNA NIANSE»
- Student theatre «KAMERTONIS», «SPĒLE»
- Post folk group «DABA SAN»





THANK YOU FOR YOUR
ATTENTION!

www.rtu.lv