



University of Luxembourg

European Space University for Earth and
Humanity

Kick-Off Meeting
Dec. 14th, 2020





01

The University



University of Luxembourg

Global impact - Local relevance



Our unique profile

- Founded in **2003**
- **6.714** students (1.650 Master and 900 PhD students)
- **14** Bachelor's degrees
- **42** Master's degrees
- **4** doctoral Schools
- **268** professors
- **440+** post-doctoral researchers
- Direct government allowance 2020: **211 millions €**



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An international and multilingual university

- Multilingual study programmes, in French, English, German
- **13 trilingual, 28 bilingual** degrees
- **25** degrees entirely taught in English
- **51%** international students from **125** nationalities
- **52 : 48** student ratio of females to males
- Staff from **90** countries
- Mandatory mobility semester abroad
- Multiple international agreements
- Coordinator of **EURAXESS** Luxembourg
- Member of the “**University of the Greater Region**” (UniGR)
- **Member of the ‘European University’ UNIVERSEH**



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A partner for society and industry

- Cooperation with European institutions such as the European Court of Justice and the European Investment Bank
- Cooperation with innovative (space) companies
- Cooperation with the Financial Centre
- Cooperation and partnerships with research institutes in Luxembourg
- Cooperation with numerous non-academic partners such as ministries, local governments, associations, NGOs ...

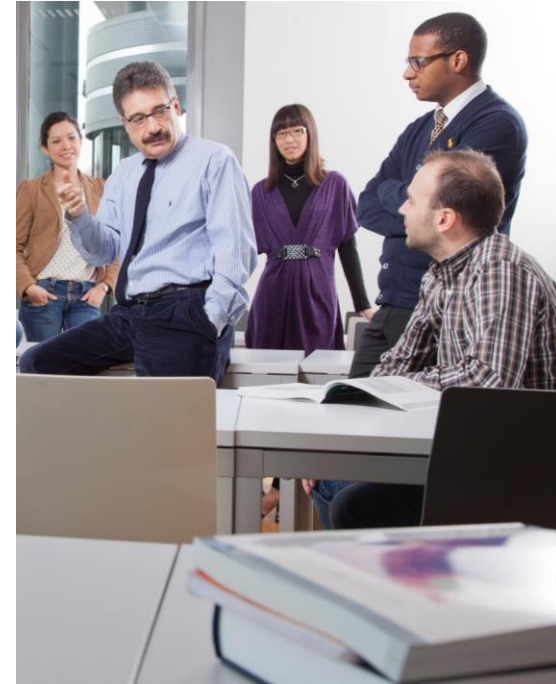


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A university with a personal touch

- An average of **19 students per staff** *
- Collaborative learning space
- Teaching in small classes
- Personal interaction and lecturers within reach
- High degree of student involvement

** based on data collected for the Times Higher Education World University rankings 2021*



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A well integrated framework of faculties and interdisciplinary centres



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A focus on interdisciplinary research



Computer
science & ICT
security



Materials
science



European and
international
law



Finance and
financial
innovation



Education



Contemporary
and digital
history



Cross-disciplinary theme: Health and systems biomedicine

Cross-disciplinary theme: Data modelling and simulation

02

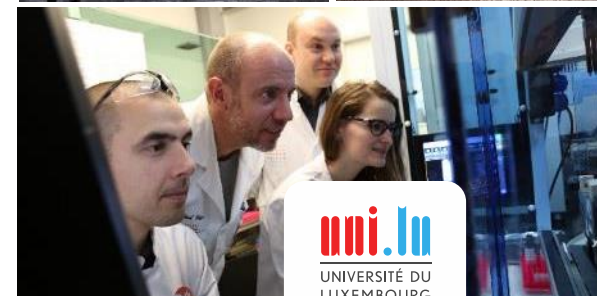
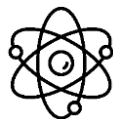
Our achievements



University of Luxembourg

Belval - a unique innovation hub for research and education

- About one billion Euros of public investment in 2018
- A mix of studies, research, work, leisure
- Main campus of the University
- Clustering University, research centres, incubators, innovative companies



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Encouraging rankings



- Amongst the **top 250** universities worldwide (2020)
- **1st** worldwide for its “international outlook” (2020)
- **12th** worldwide in the THE Young University Rankings (2019)
- **14th** in Top 30 academic institutions under 30 in the NATURE index of “rising stars” universities (2018)
- **4th** among “Millennial” Universities set up in the 21st century



03

Accelerating in Space



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ACCELERATING SPACE RESEARCH AND EDUCATION



- **SES Chair** in Satellite Communication and Media Law since 2010
- **Master in Space, Communication and Media Law**
- **Interdisciplinary Space Master** as of Sept. 2019
- **40+ long-term and collaborative research projects** in
 - Autonomous craft
 - Space robotics
 - Space communication systems
 - Software development
 - Assurance for space technologies
 - Space communications law
 - European and Comparative Media Law

SES[^]



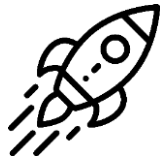
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LUXEMBOURG SPACE STRATEGY - 4 PILLARS

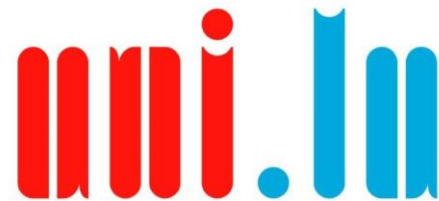
- **SKILLS:** *building a talent pool for a new economy*
 - Primary and secondary education (summer camps)
 - University education masters
- **EXPERTISE:** *a European hub for commercial space*
 - Knowledge and experience to create new space industries
 - European Space Resources Innovation Centre (ESRIC-ESA)
- **INNOVATION:** *nurturing entrepreneurial space research and business*
 - 80 research projects: University of Luxembourg & LIST
- **FUNDING:** *financing the future space economy*
 - LuxIMPULSE (public): help companies to bring innovative ideas to market
 - Space fund: standalone investment instrument for promising space tech, with an initial closing with €70M



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European Space University for **E**arth and **H**umanity



UNIVERSITÉ DU
LUXEMBOURG

THANK YOU

