

26.10.2020 / EPISODE II: BIOECONOMY DEFINES THE FUTURE

WELCOME TO THE LAND OF THE CURIOUS

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WELCOME TO FINLAND

- The world's safest country World Economic Forum
- The world's highest standard of living Social Progress Imperative
- The world's greenest country Environmental Performance Index

LAPPEENRANTA

Located on the shore of Europe's 4th biggest lake, Saimaa and 2 hours from the capital city of Helsinki

Green for real – committed to energy-efficiency and sustainable development

European Green Leaf 2021



LAHTI

World-famous for its international winter sport events, an hour from the capital city of Helsinki

Promotes sustainable urban development

European Green Capital 2021



LUT IN FIGURES

1969 founded in 1969 – combining
technology and business
from the start

5000 Bachelor's and Master's
students

919 scientific publications (2019)

400 doctoral students

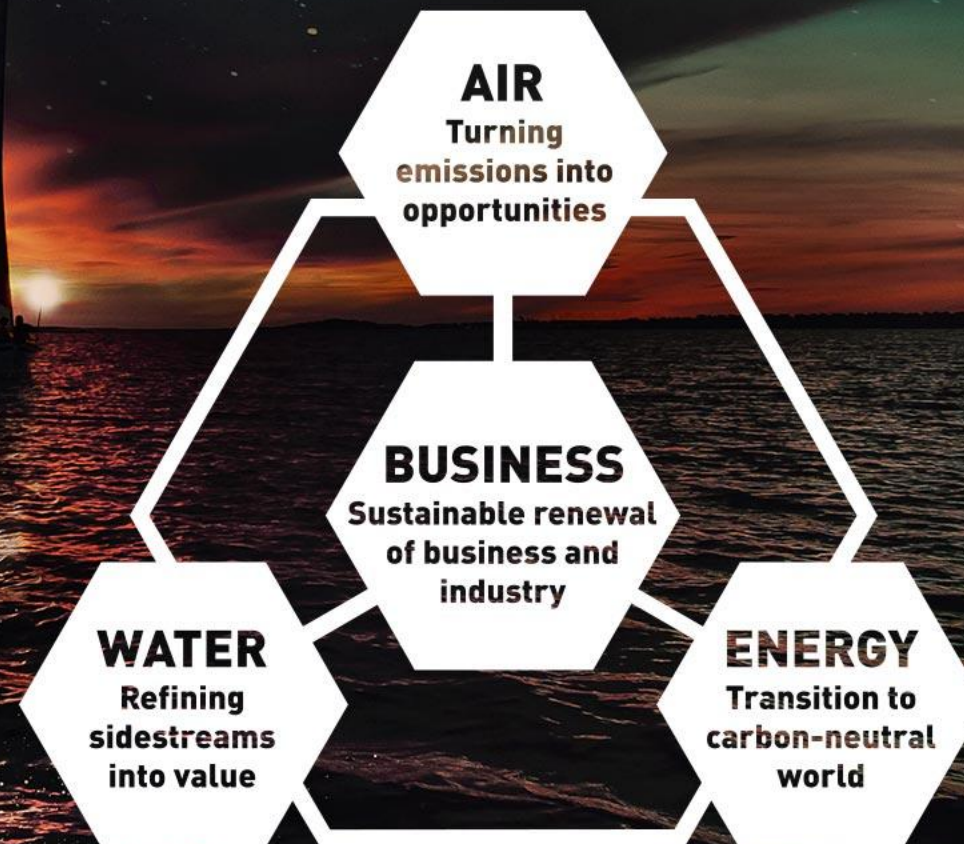
100 M€ Ministry of Education and Culture 52 %,
supplementary funding 48 %

1100 staff members

81 nationalities on campuses

1/3 of first-year students are foreign nationals

System **EARTH**



SCIENTIFIC SOLUTIONS

- ENERGY** TRANSITION TO A CARBON-NEUTRAL WORLD
- Electrification with power-to-x technologies
 - High-speed drives and turbines
 - Energy market change and industrial impacts

- AIR** TURNING EMISSIONS INTO OPPORTUNITIES
- Defining air quality, emissions and climate impact
 - New technology to turn emissions into products

- BUSINESS** SUSTAINABLE RENEWAL OF BUSINESS AND INDUSTRY
- Driving sustainable growth
 - Creating value in a digital economy
 - Advanced design, manufacturing and processing

- WATER** REFINING SIDESTREAMS INTO VALUE
- Resource recovery from wastewater
 - Responding to complex water treatment needs



 LUT is one of the

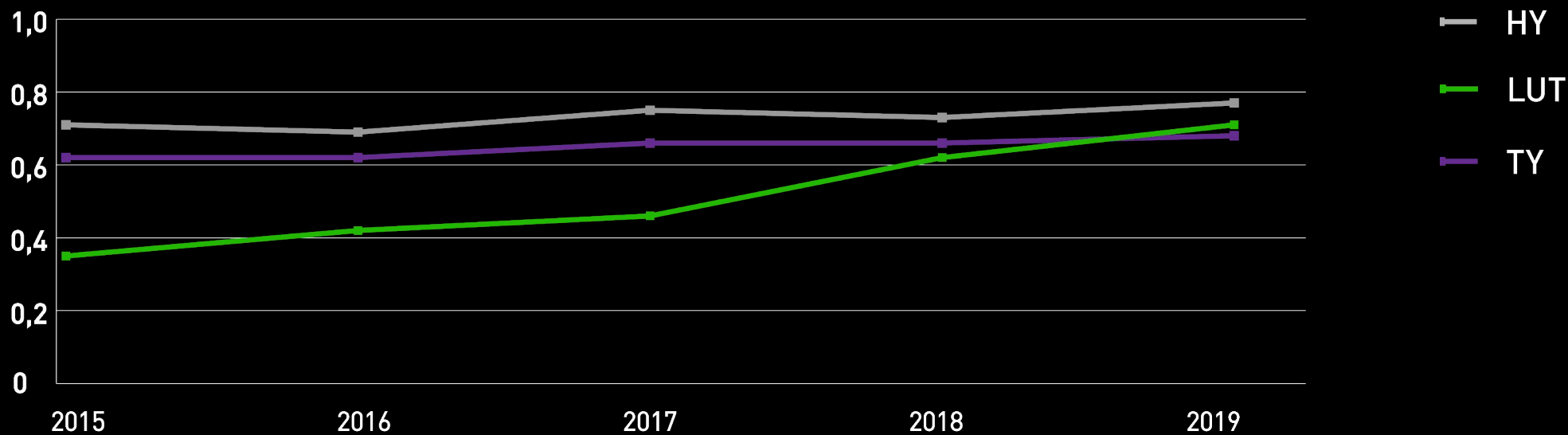
TOP 200 UNIVERSITIES

in the Impact Ranking.

The Times Higher Education Impact Rankings 2020 assess the social and economic impact of universities against the UN's Sustainable Development Goals.

■ Highest publication forum rating 2 & 3

PUBLICATIONS PER TEACHING AND RESEARCH STAFF MEMBER (PERSON-YEARS) 2015–2019



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Exploring the unknown requires tolerating uncertainty.

Brian Greene





YOUR FUTURE AT THIS LOCATION?



See you soon @UniLUT