



LAND OF THE CURIOUS



WELCOMING WORDS

EEM23 CONFERENCE

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WELCOME TO LAPPEENRANTA CAMPUS

- » In the district of Skinnarila by Lake Saimaa
- » Students: 5 500
- » Staff: 970
 - » Staff travels between the two campus cities
- » The City of Lappeenranta won **the European Green Leaf Award 2021** in a competition organised by the European Commission.



LAHTI CAMPUS

- » In the district of Niemi
- » Academic activity since 1996, independent campus as of 2019
- » Students: 1100
- » Staff: 185
 - » Number of employees on the increase
 - » Staff travels between the two campus cities
- » The City of Lahti received the European Green Capital Award 2021 in a competition organized by the European Commission.



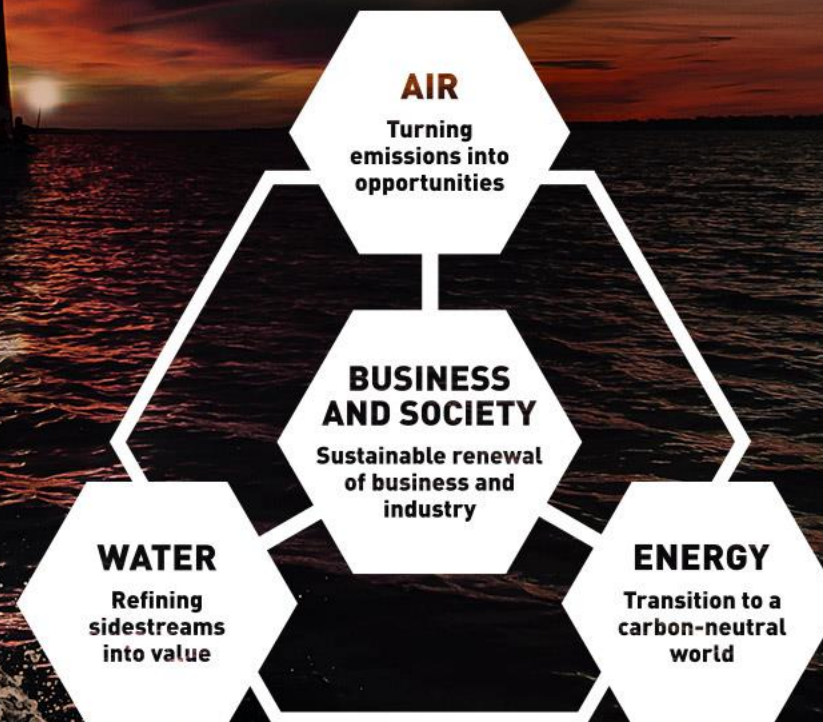
” We have the **courage** to succeed,
passion for innovation through science
and a **will** to build well-being.

LUT UNIVERSITY STRATEGY 2030

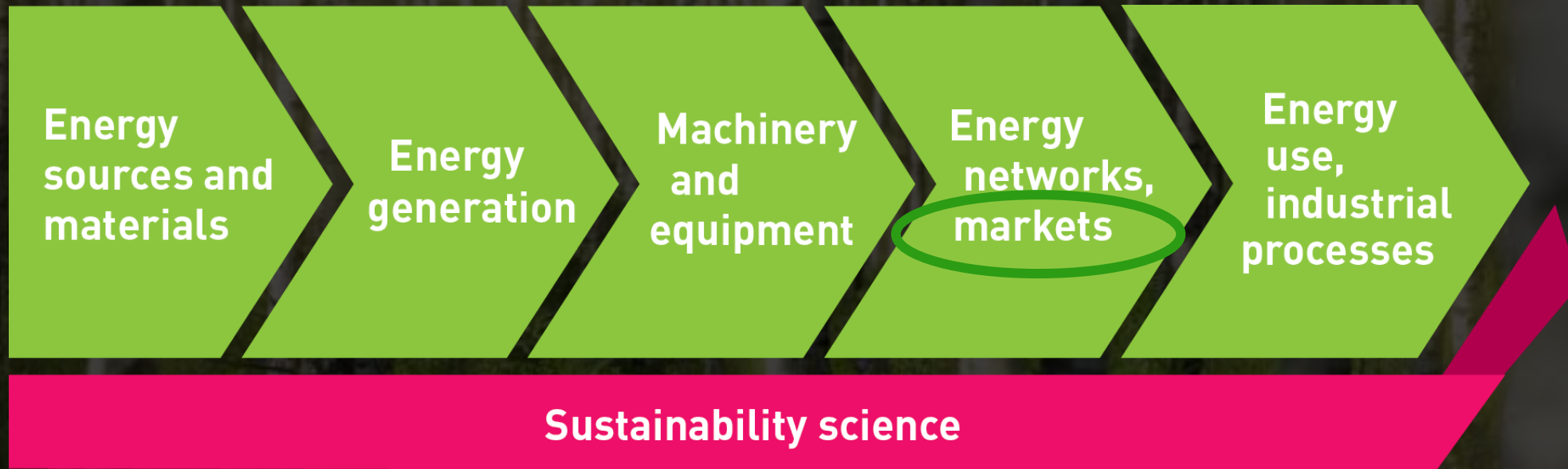
TRAILBLAZERS

Science with a Purpose

SYSTEM EARTH



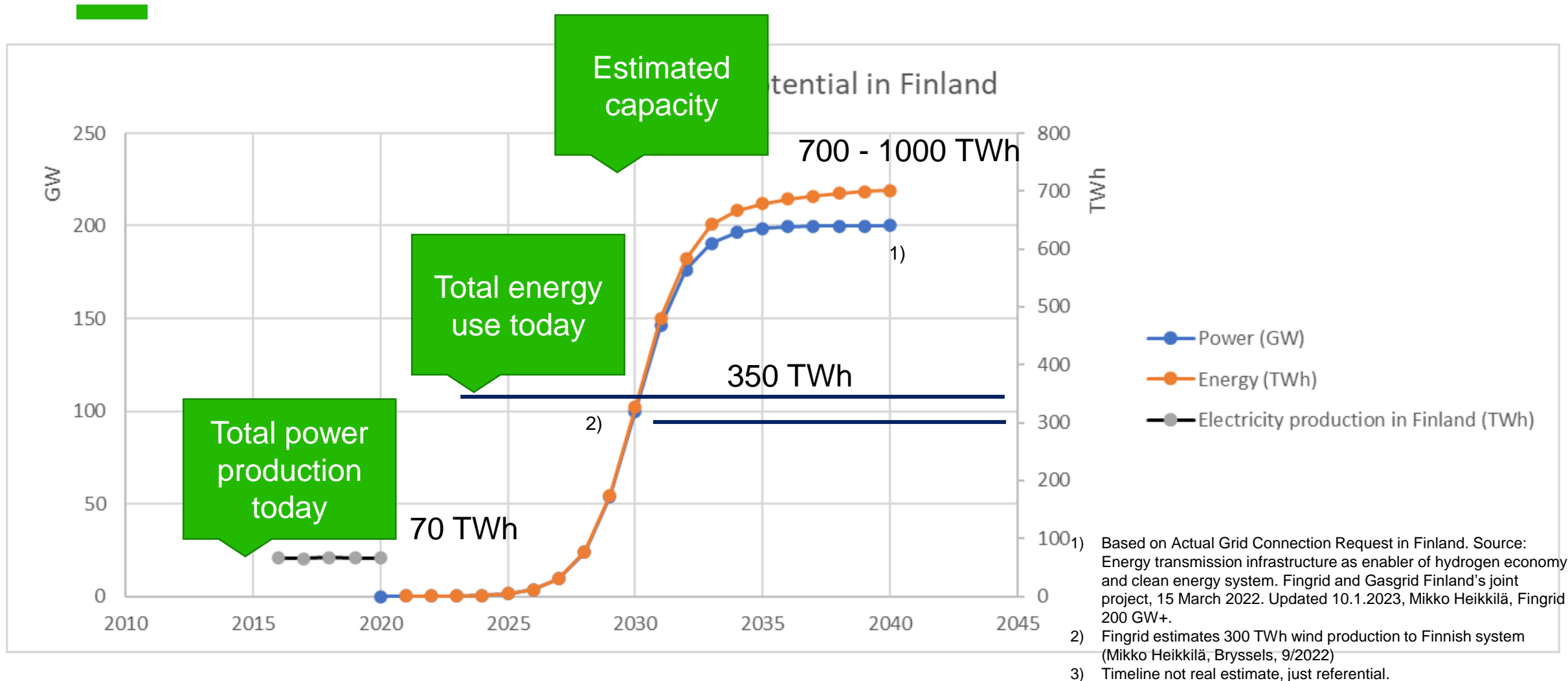
LUT School of Energy Systems: Management of energy chain



Energy transition towards sustainable world

WIND POWER IS CHANGING ENERGY LANDSCAPE

Wind power growth scenario in Finland based on the Fingrid analysis (Finnish transmission system operator)



INVESTORS TRUST ON FINNISH HYDROGEN FUTURE

- » Wind power investments are accelerating
- » Industrial investments to hydrogen and hydrocarbon production have started
 - » Hydrogen, methanol, methane, ammonia
 - » Competitive, when close to power generation
- » Total renewable power production Finland could be **1000 TWh** – market value **30 BEUR**, 5% land of Finnish territory
- » Nordic countries together could produce **3500-4500 TWh** renewable power, more than **one third of EU energy need**
- » Domestic market accelerate technology development and creates technology export opportunities – e.g. for reconstruction of Ukraine



”Vihreä vety tuomassa Suomeen 10 mrd euron investoinnit”, [Yle uutiset 30.1.2023]

GLOBAL SUSTAINABILITY CHALLENGES



CLEAN WATER
AND SANITATION



AFFORDABLE
AND CLEAN
ENERGY



INDUSTRY,
INNOVATION AND
INFRASTRUCTURE



CLIMATE
ACTION



RESPONSIBLE
CONSUMPTION
AND PRODUCTION



DECENT WORK
AND ECONOMIC
GROWTH



PARTNERSHIPS
FOR THE GOALS

LUT is committed to the UN's Sustainable Development Goals.
Through our Trailblazer 2030 Strategy and research, we influence particularly the ones above.



 LUT University ranks

NINTH IN THE WORLD

in terms of climate actions – SDG 13

The Times Higher Education Impact Rankings 2022 assess the social and economic impact of universities against the UN's Sustainable Development Goals.





 LUT University was ranked among the

TOP 11th small universities

Times Higher Education (THE) listed the 20 best small universities across the globe



 LUT is one of the

TOP 200 UNIVERSITIES

in the Impact Ranking.

The Times Higher Education Impact Rankings 2022 assess the social and economic impact of universities against the UN's Sustainable Development Goals.

ONE OF THE WORLD'S TOP-RANKING UNIVERSITIES

388

QS World University
Rankings 2023

301–350

Times Higher
Education World
University Rankings
2023

251–300

Times Higher Education
World University Rankings
*by subject: engineering and
technology 2023*

126–150

Times Higher Education
World University Rankings
*by subject: business and
economics 2023*

101–200

Times Higher
Education Impact
Rankings 2022*



**The Times Higher Education Impact Rankings 2022 assess the social and economic impact of universities against the UN's Sustainable Development Goals*

Successful ja pleasant EEM23!

