



UNIVERSITY OF TARTU



Digital Transformation: the case of the University of Tartu

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VICE-RECTOR FOR ACADEMIC AFFAIRS

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1632

founded by the Swedish King Gustavus II Adolphus

1919

reorganised as the University of Tartu of the Republic of Estonia

2020

4 faculties: Soc, Hum, Med, Sci and Tech

Ca 13500 students

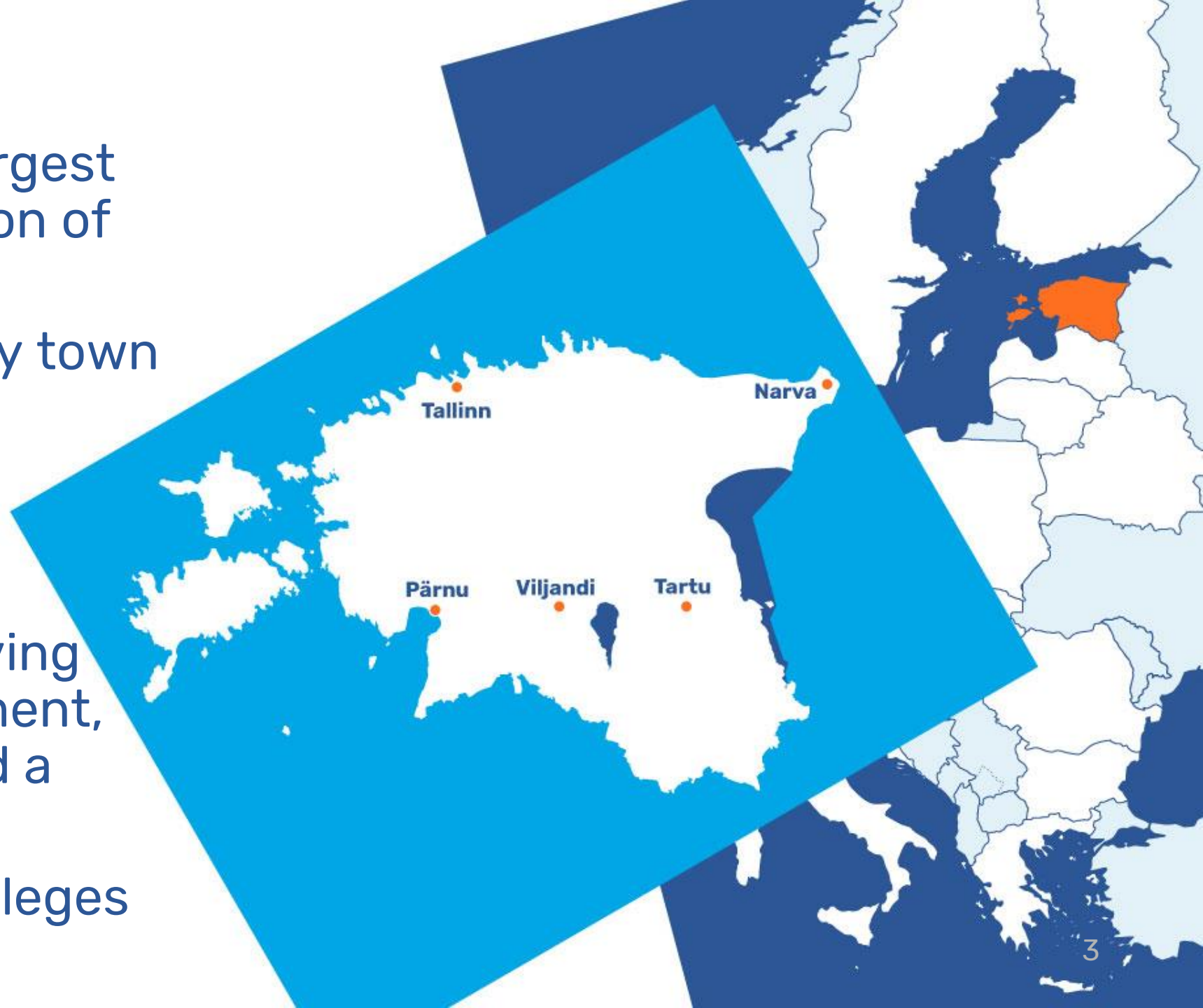
Ca 1500 academic staff members

Ranked among 300 - 350 best universities according to THE and QS



TARTU

- Estonia's second largest city with a population of 100,000
- A genuine university town where every fifth resident is a student
- Tartu is a compact town with a calm living and study environment, youthful people and a vibrant cultural life
- University has 4 colleges outside of Tartu



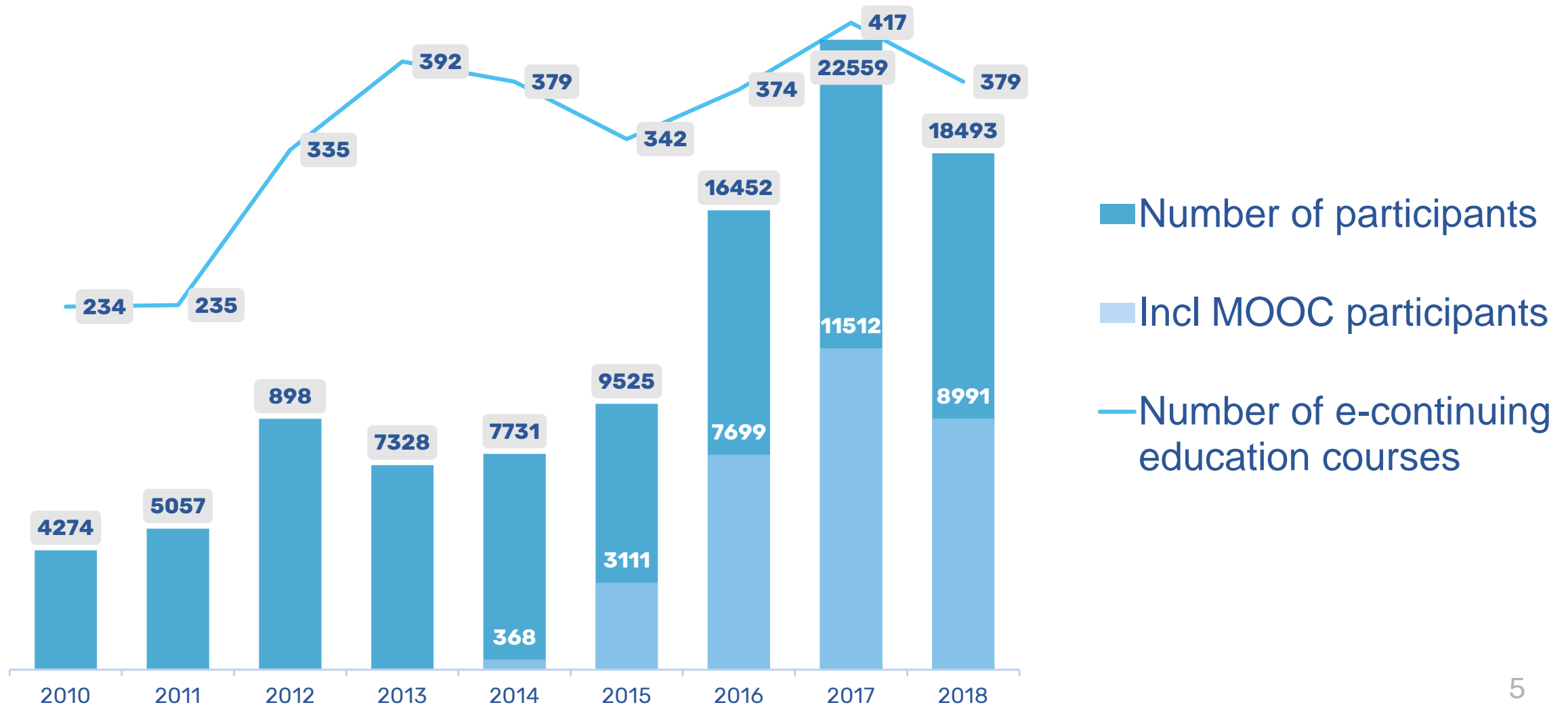


E-learning at the UT

systematically since the end of 1990-ties

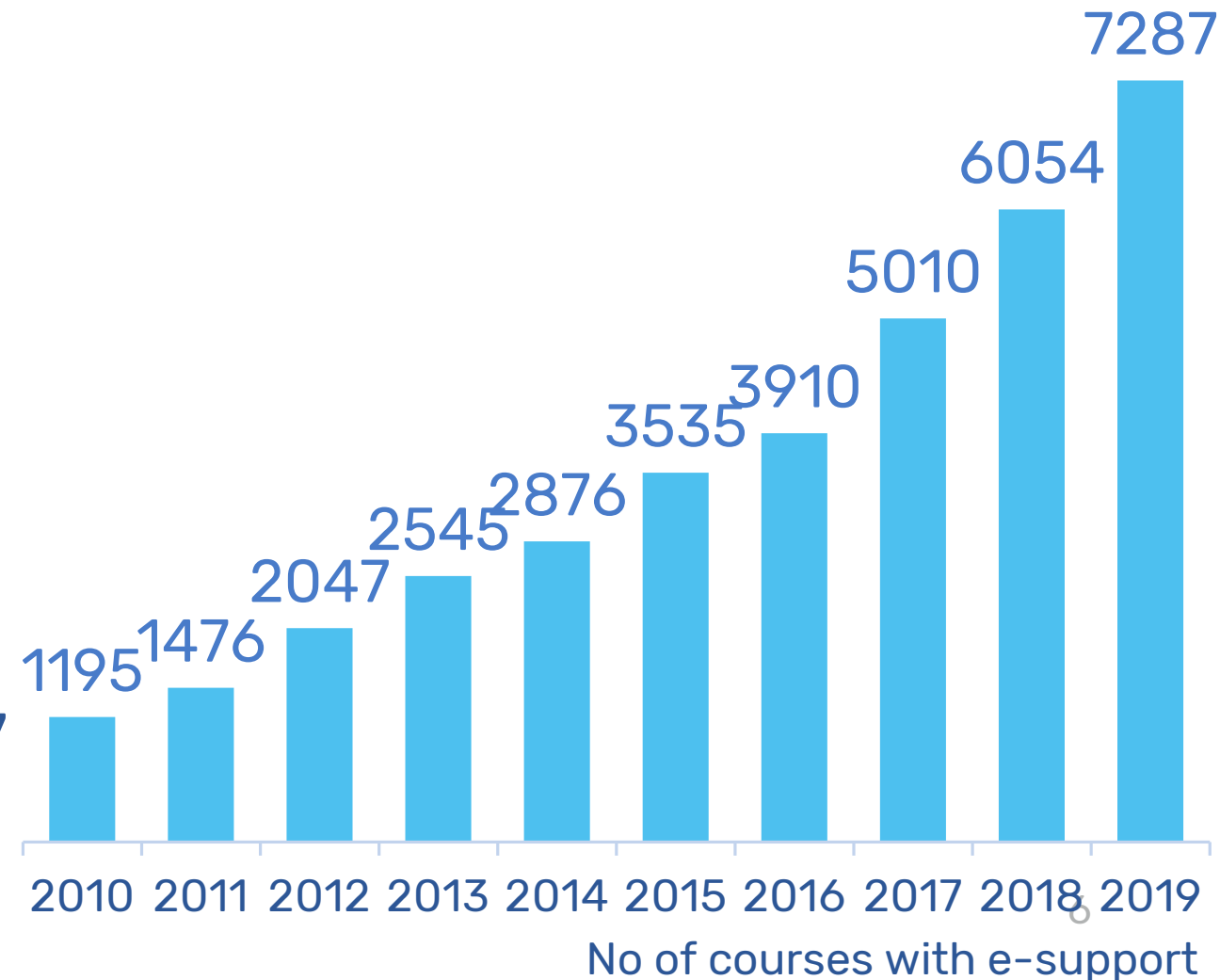
- web-based courses in Moodle: 80% of courses
- MOOCs (*massive open online courses*): 26 courses moocs.ut.ee
- study materials in web/wiki
- learning modules in Sisu@UT
- recorded and real-time videolectures (Panopto)
- web seminars (BigBlueButton)
- e-portfolios (Mahara)
- electronic surveys (LimeSurvey)

E-continuing education: ca 50% of total continuing education offered



20 years of development of e-learning - preparation for state of emergency in 2020

- Experimental global e-courses in the middle of 1990-ties
- First educational technologist in 1999
- First web-based learning environment in 2000
- Blended learning approach, few totally online courses
- First mostly on-line programme (MA in Educ technology) since 2017 (<https://www.ht.ut.ee/en/admissions/educational-technology-ma>)



Satisfaction of International students in International Student Barometer 2019



	Tartu	Global ISB	Estonia ISB	Euro ISB	Glob
LEARNING AVERAGE	89.0%	86.7%	85.2%	83.8%	
* LEARNING OVERALL	90.1%	87.4%	85.7%	85.1%	
TEACHING					
* Expert lecturers	95.3%	93.5%	91.8%	93.7%	
* Assessment	93.6%	89.1%	88.7%	85.6%	
* Learning support	93.2%	89.5%	87.0%	85.3%	
Academics' English	91.0%	92.1%	88.6%	91.2%	
* Performance feedback	90.3%	85.3%	84.5%	79.2%	
* Marking criteria	90.1%	84.9%	85.2%	79.0%	
* Research	89.7%	88.2%	84.7%	85.7%	
Course content	88.4%	89.5%	84.2%	87.2%	
Quality lectures	86.6%	88.5%	84.4%	85.9%	
* Good teachers	85.5%	88.0%	81.3%	84.5%	
Course organisation	85.4%	85.5%	84.4%	79.6%	
STUDIES					
* Multicultural	96.8%	91.3%	93.0%	91.3%	
* Class size	96.5%	89.7%	92.0%	87.6%	
* Language support	92.3%	89.9%	88.9%	87.5%	
Topic selection**	89.0%	88.5%	86.3%	84.0%	
Managing research**	86.3%	89.7%	86.2%	85.3%	
* Opportunities to teach**	80.6%	74.1%	79.5%	72.9%	
Employability	79.4%	80.4%	70.4%	73.6%	
Work experience	69.8%	71.9%	62.5%	64.4%	
Careers advice	69.3%	72.8%	60.8%	62.0%	
FACILITIES					
* Virtual learning	96.6%	91.3%	93.9%	88.3%	
* Laboratories	95.3%	91.5%	94.5%	91.5%	
* Technology	93.8%	90.5%	92.5%	88.4%	
* Learning spaces	93.6%	89.9%	94.0%	88.1%	
* Physical library	93.2%	89.8%	88.3%	87.0%	
* Online library	93.1%	91.2%	87.2%	88.9%	

What happened over the 2 months:

before and after/during crisis

Courses with e-support in Moodle

70% before crisis

80% after crisis



Videolectures

Ca **120** per month

Ca **1200** per month



Videseminars

100 rooms

2000 rooms

Lessons so far

- Technical platforms for e-learning – too many:
 - University has limited No of centrally supported platforms but others are not forbidden
- Technical readiness of students – we supposed this to be elementary
- Some teachers with little e-learning experience, providing proactive support to them
- Quality of e-learning: work-load, engagement
- How to provide social support, replace missing contacts
- Academic freedom vs clear rules in case of crisis

What next? What we want to change? What we need to change for Fall 2020?

- Videolectures for all large (100+ participants) subjects
- Readiness (technical + methodological) for hybrid seminars
- Tools for proctoring e-exams
- Widening educational technology support system, from 4 people for 1500 academic staff to 40 per 1500
- Readiness for continuing in e-learning in English taught curricula in Fall 2020
- Mobile practical training tools



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THANK YOU!

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