Assoc prof dr Vaida Šerevičienė

VILNIUS
TECH

Vilnius Gediminas
Technical University

2023 05 19

Chania

Lithuania

Area – 65 300 km^2
Population – 2.8 mln.
Capital – Vilnius
Nature – Forests cover 1/3 of the country

FACTS AND FIGURES

- Established in **1956**

- **8 200** students

- **18%** of them are international students from over **80** countries

- **940** academic staff members

- **9:1** student / academic staff ratio

- **88 000** alumni

- Around **300** business partners

- **460** partner universities in **62** countries globally

- Member of **ATHENA** European University Alliance

10 FACULTIES OF VILNIUS TECH

- **ANTANAS GUSTAITIS' AVIATION INSTITUTE**

- **ARCHITECTURE**

- **BUSINESS MANAGEMENT**

- **CIVIL ENGINEERING**

- **CREATIVE INDUSTRIES**

- **ELECTRONICS**

- **ENVIRONMENTAL ENGINEERING**

- **FUNDAMENTAL SCIENCES (ICT & Computer Sciences)**

- **MECHANICS**

- **TRANSPORT ENGINEERING**

STUDIES AT **VILNIUS TECH**

99 STUDY PROGRAMMES

(75% in the field Engineering, Information and Technological Sciences)

49% TAUGHT IN ENGLISH:

- Bachelor's (undergraduate) **180–240 ECTS**

- Integrated (undergraduate + graduate) **300 ECTS** – Master's degree awarded

- Master's (graduate) **90–120 ECTS**

- Master's (MBA) **60 ECTS**

VILNIUS TECH

BACHELOR'S DEGREE (UNDERGRADUATE) PROGRAMMES IN ENGLISH (240 ECTS):

Computer Sciences

- Applied Artificial Intelligence
- Information and Communication Technologies
- Information Systems Engineering
- Multimedia Design
- Information Technologies

Social Sciences

- Creative Industries *(DDP* with Kiel University of Applied Sciences)*
- Economics Engineering *(DDP* with Kyungpook National University; DDP* with Dnipro University of Technology)*

Technological Sciences

- Bioengineering

Engineering Sciences

- Biomechanics
- Mechanical Engineering
- Mechatronics and Robotics
- Civil Engineering
- Environmental Protection Engineering
- Automotive Engineering
- Building Energy *(DDP* with South-Eastern Finland University of Applied Sciences)*
- Computer Engineering

Arts

- Landscape Architecture *(3 years)*

Business and Public Management

- Financial Engineering
- Business Management

MASTER'S (GRADUATE) DEGREE PROGRAMMES
IN ENGLISH (120 ECTS):

Engineering Sciences

- Automotive Engineering
- Aeronautical Engineering
- Biomedical Engineering
- Computer Engineering
- Building Energy Engineering
- Civil Engineering *(DDP* with University of Strathclyde)*
- Electrical Energetics Systems Engineering *(DDP* with National Sun Yat-sen University)*
- Electronics Engineering
- Environmental Protection Technology and Management *(DDP* with Riga Technical University)*
- Industrial Engineering and Innovation Management *(DDP* with University of Palermo; DDP* with TalTech)*
- Mechatronics *(JDP** with Braunschweig Technical University)*
- Mechanical Engineering
- Mechatronics Systems
- Structural Engineering *(DDP* with University of Strathclyde)*

Computer Sciences

- Information and Information Technologies Security *(DDP* with National Sun Yat-sen University)*
- Information Systems Software Engineering

Technological Scienscies

- Nanobiotechnology

MASTER'S (GRADUATE) DEGREE PROGRAMMES IN ENGLISH (90 ECTS):

- Business Leadership

- Business Management

- Economics Engineering *(DDP* with Zhytomyr State Technical University)*

- Financial Engineering (FinTech)

- Innovative Road and Bridge Engineering *(JDP** with Riga Technical University)*

- Innovative Solutions in Geomatics *(JDP** with Riga Technical University)*

- Master of Business Administration *(MBA)*

- Transport Logistics

PhD STUDIES IN 12 FIELDS OF SCIENCE:

Technological Sciences:

- Civil Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Informatics Engineering
- Materials Engineering
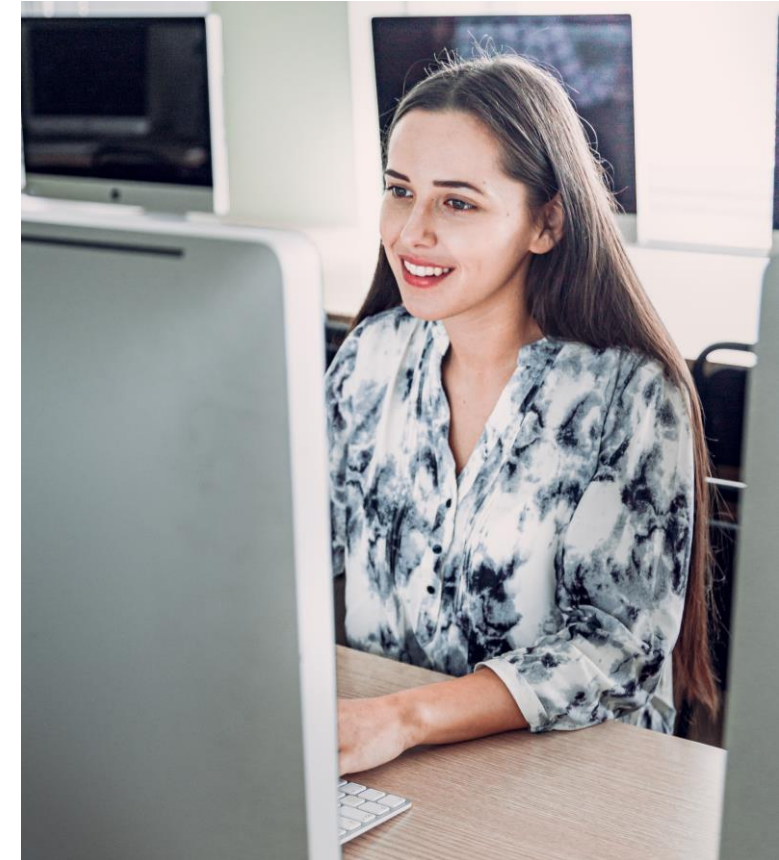- Mechanical Engineering
- Transport Engineering

Social Sciences:

- Communication and Information
- Economics
- Management

Natural Sciences:

- Informatics

Humanities:

- History and Theory of Arts

VILNIUS TECH

Faculty of Environmental Engineering

- Department of Environment Protection and Water Engineering

- Department of Building Energetics

- Department of Geodesy and Cadastre

- Department of Roads

Department of Environmental Protection and Water Engineering

Study Programmes

BSc
Duration: 4 years
(240 ECTS)

MSc
Duration: 2 years
(120 ECTS)

PhD
4 years

- **Environmental Protection Engineering**
  (LT and English)

- **Environmental Engineering**
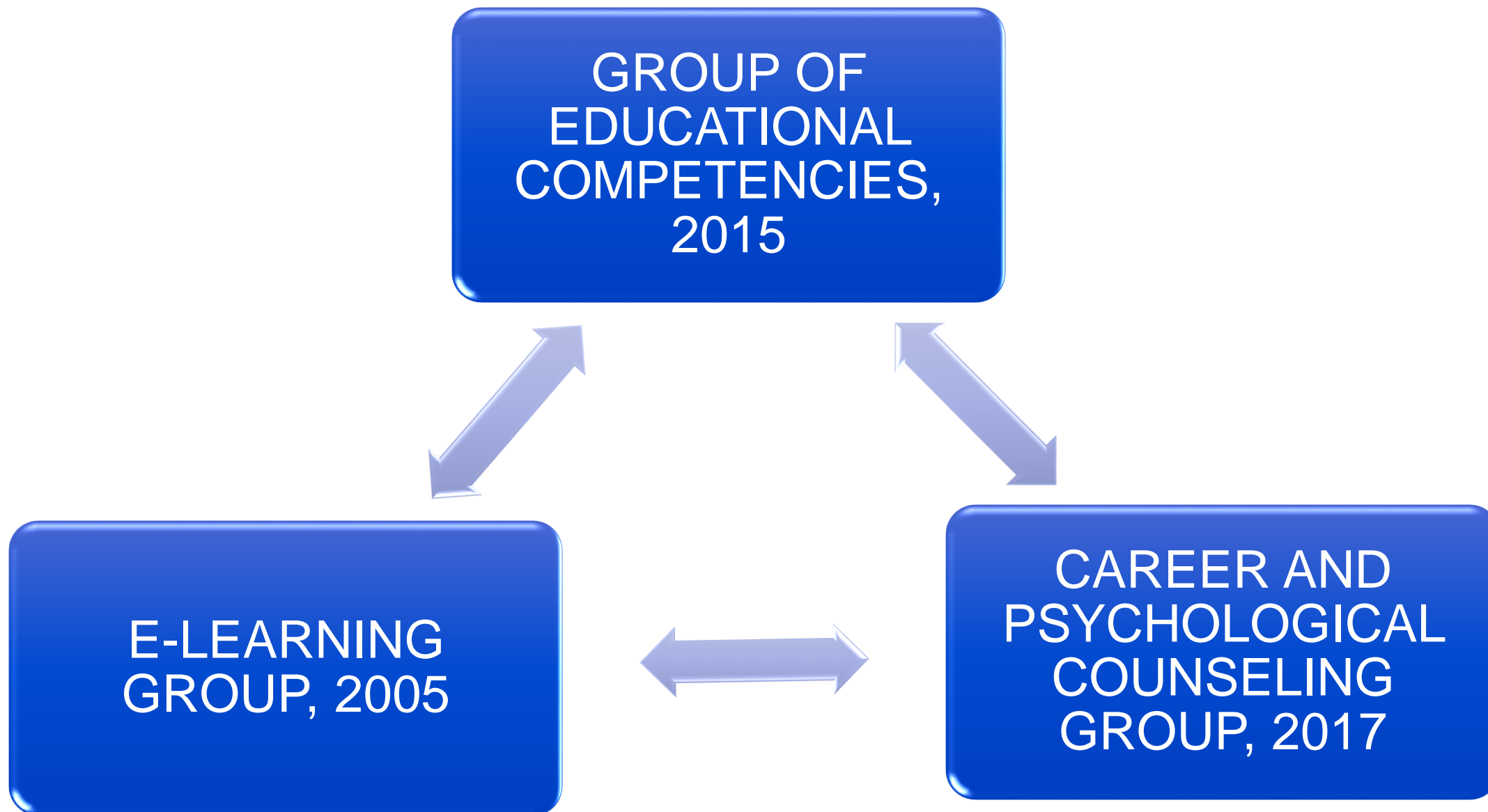
- **Water Engineering**

- **Environmental Engineering – T 004**

- **Environmental Protection Technology and Management** *(English)*
  double diploma programme
  implemented with Riga Technical University (RTU)

RĪGAS TEHNISKĀ
UNIVERSITĀTE

1862

VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS
SAPERE AUDE

ACADEMIC SUPPORT CENTRE

Direction 1

Developing competencies of lecturers

Direction 2

Strengthening community

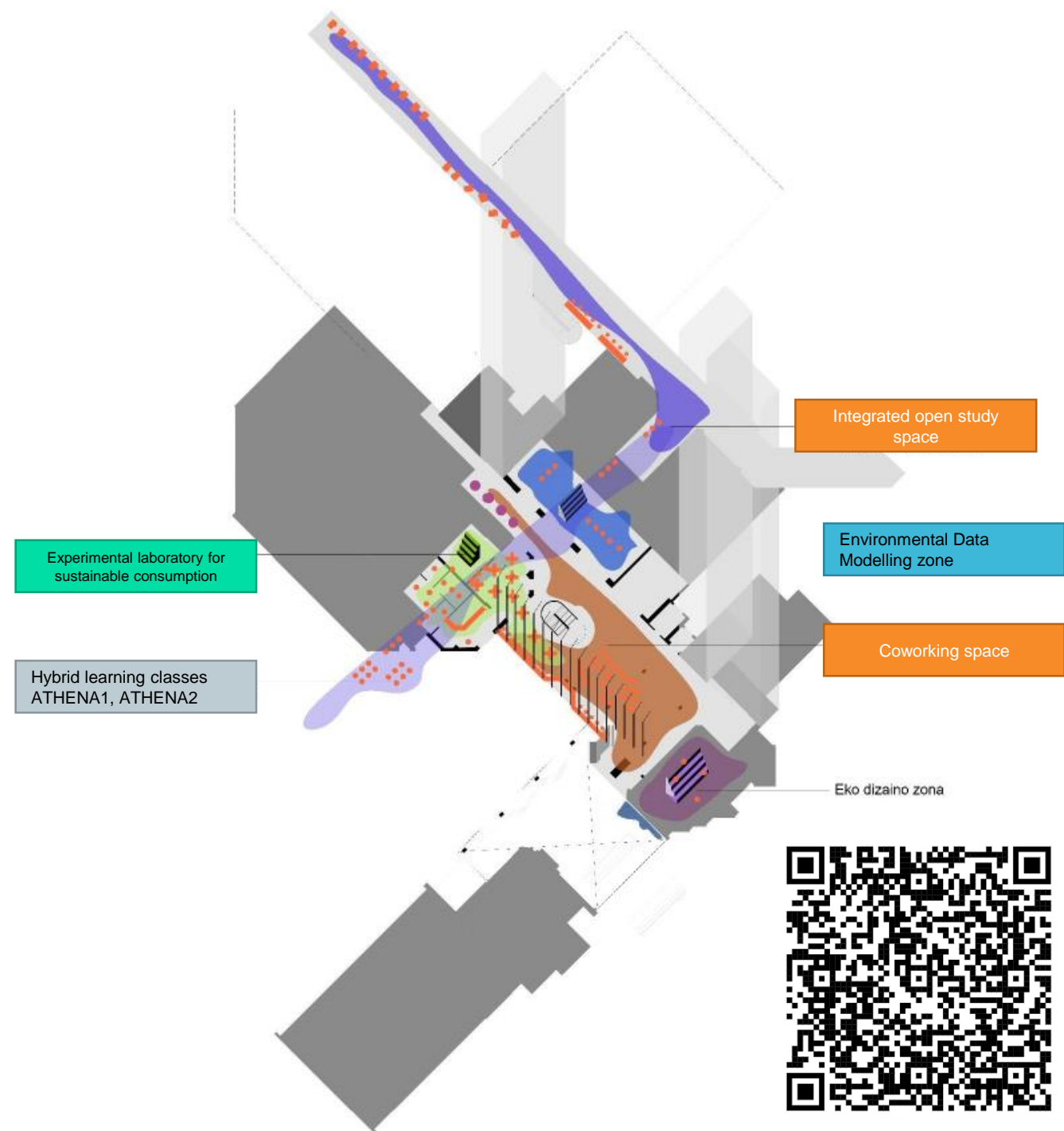# Direction 3

Quality of study programs

VILNIUS TECH

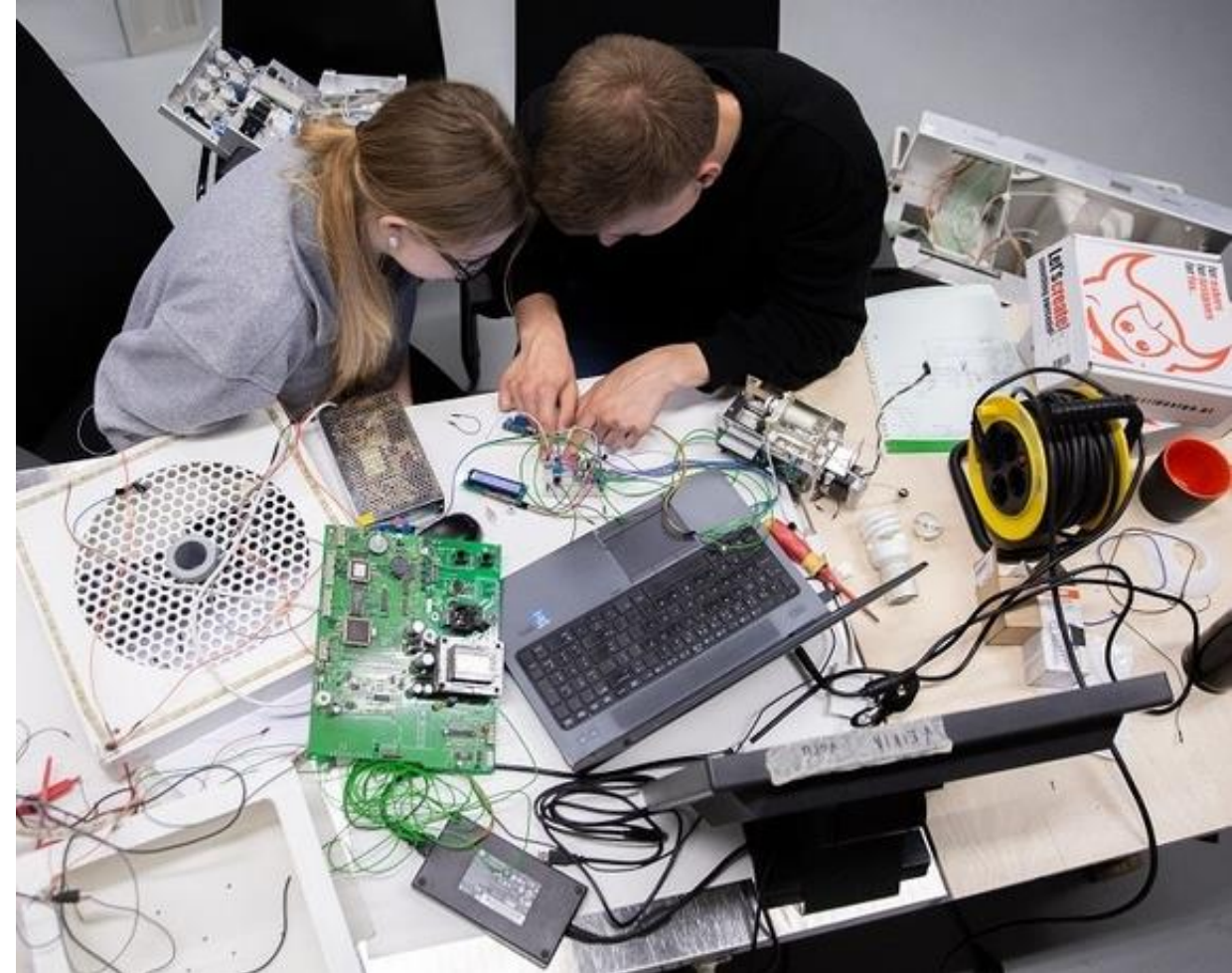# SUSTAIN HUB

SUSTAINABILITY HUB

Challenge based Education, Training, Prototyping hub:

- ✓ Eco design zone;
- ✓ Data modeling zone;
- ✓ Experiential zone of responsible consumption;
- ✓ Open Hybrid learning space;
- ✓ 2 ATHENA hybrid classrooms;
- ✓ Sustainability lounge;
- ✓ Green outdoor space.

Integrated open study space

Environmental Data Modelling zone

Experimental laboratory for sustainable consumption

Coworking space

Hybrid learning classes ATHENA1, ATHENA2
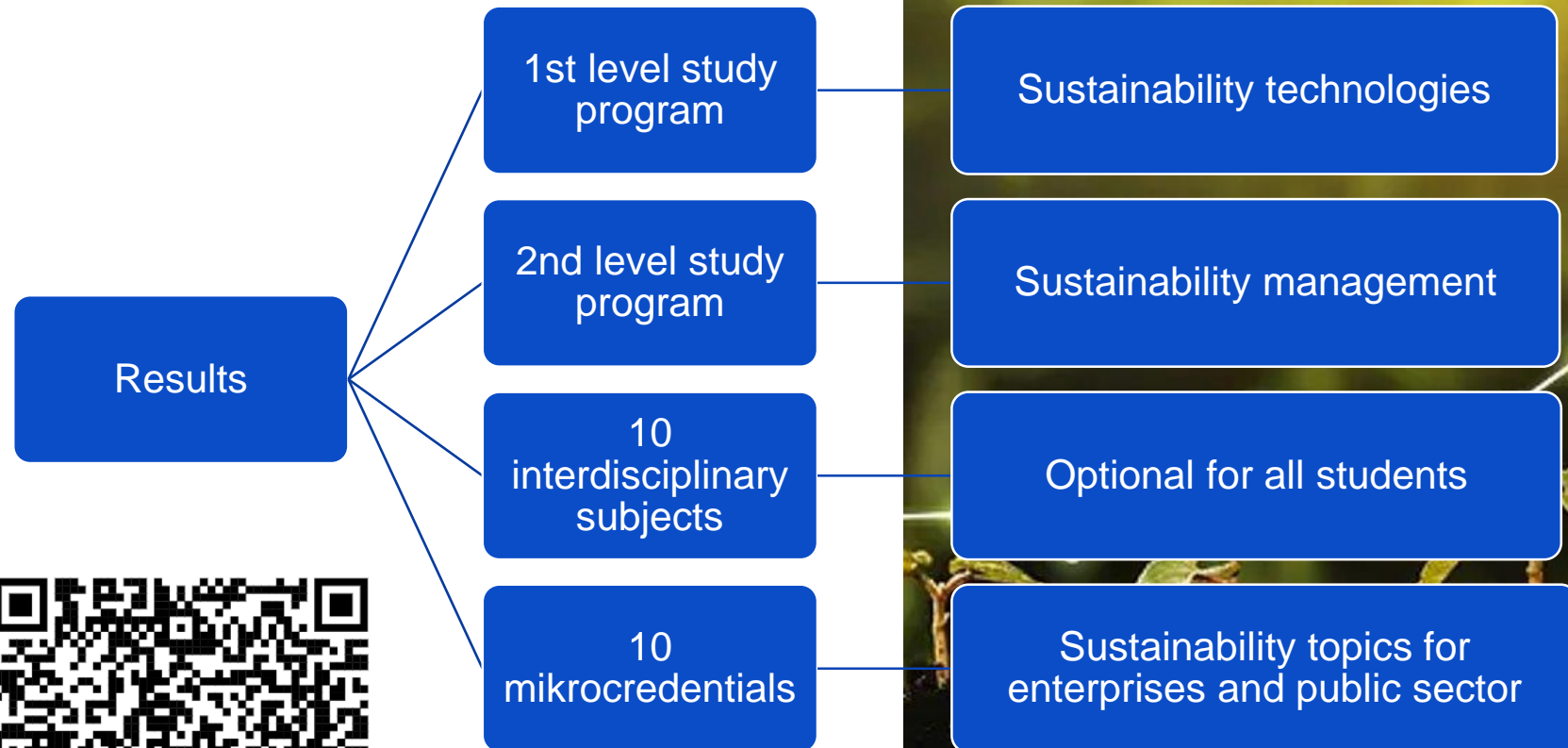
Eko dizaino zona

Living lab concept

- ✓ Good practice in the world's top universities.

- ✓ Open research and learning ecosystem where **academic community**, its **social partners** and **stakeholders** cooperate in learning and research activities.

- ✓ Hub welcomes students and teachers from other schools and universities, **business representatives** and anybody willing to collaborate on sustainability research.

Educational part of the project

Results

- 1st level study program → Sustainability technologies
- 2nd level study program → Sustainability management
- 10 interdisciplinary subjects → Optional for all students
- 10 mikrocredentials → Sustainability topics for enterprises and public sector

Invitation

- **ATHENA Sustainability Summer school at VILNIUS TECH**

When	September 18 – 29 th, 2023
Where: Online session On-site session	18 - 22th of September 25-29th of September in Vilnius, Lithuania (VILNIUS TECH main campus)
Format:	Blended Intensive Programme (BIP)

The main focus of the summer school is problem-based solutions for different organizations.

We invite:

- Students are invited to participate in the summer school.

- Teachers are invited to deliver sustainability related courses in online session and to supervise group works during on-site session.

- Practitioners and business partners are invited to provide problem based cases to be solved during the summer school.

Scholarships

Scholarships are available for student and teachers from ATHENA partner universities.

Please use the links below to apply for participation and scholarships till May 26th, 2023.

https://vilniustech.lt/for-business/sustainability-hub/360053?lang=2#360064

VILNIUS TECH

FOR THE CREATORS OF TOMORROW

www.vilniustech.lt

VILNIUS TECH
Vilnius Gediminas
Technical University

Dr. Vaida Šerevičienė

vaida.sereviciene@vilniustech.lt

+370 604 47348