

# REGRAD

ERASMUS + Project  
#101128817

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REFORMING UNDERGRADUATE EDUCATION FOR GREEN AND SUSTAINABLE  
DEVELOPMENT IN ARMENIA AND MOLDOVA

## Green Deal and SDGs in Romania and internal Policies of Transilvania University of Brasov



# UNITBV

**The largest university in  
Central Romania**

**Public university  
established in 1948**



# Comprehensive university



Faculty of Mechanical  
Engineering



Faculty of Civil  
Engineering



Faculty of Physical  
Education and  
Mountain Sports



Faculty of Technological  
Engineering and  
Industrial Design



Faculty of Food  
and Tourism



Faculty of Music



Faculty of Materials  
Science and Engineering



Faculty of Product  
Design And Environment



Faculty of Medicine



Faculty of Electrical Engineering  
and  
Computer Science



Faculty of Mathematics  
and Computer Science



Faculty of Letters



Faculty of Silviculture and  
Forest Engineering



Faculty of Economic  
Sciences and Business  
Administration



Faculty of Law



Faculty of Furniture Design and  
Wood Engineering



Faculty of Psychology  
and Education Sciences



Faculty of Sociology  
and Communication



## Diversity in education

**18** faculties / **30** departments

▣ **20.000+** students

▣ **99** Bachelor's degree programmes

80% bachelor's/17.5% master's/ 2.5% PhD

▣ **1.300+** staff members

▣ **83** Master's degree programmes

1000+ academic staff (710 tenured and 330 associated staff)

▣ **22** fields of doctoral studies



# CONTENT

## Green Deal and SDGs

**National overview**

**UNITBV**

**strategy**  
**responsabilites**  
**implementation**  
**future actions**



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# NATIONAL OVERVIEW

1999, 2008 – Sustainable Development Strategies

2018 - Romania's **National Sustainable Development Strategy 2030**

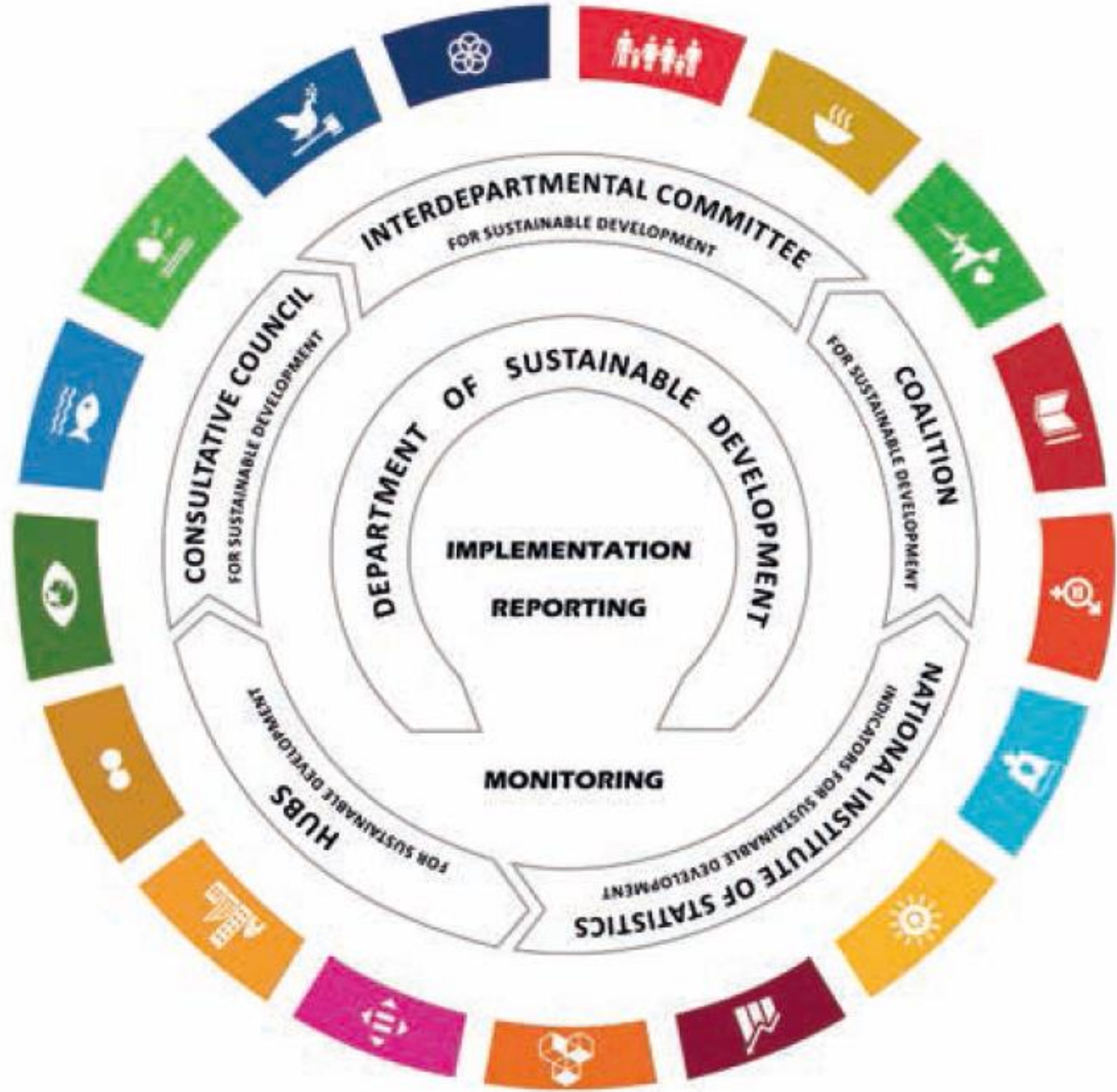
<https://dezvoltaredurabila.gov.ro/files/public/10000001/Romania-Sustainable-Development-Strategy-2030-en.pdf>



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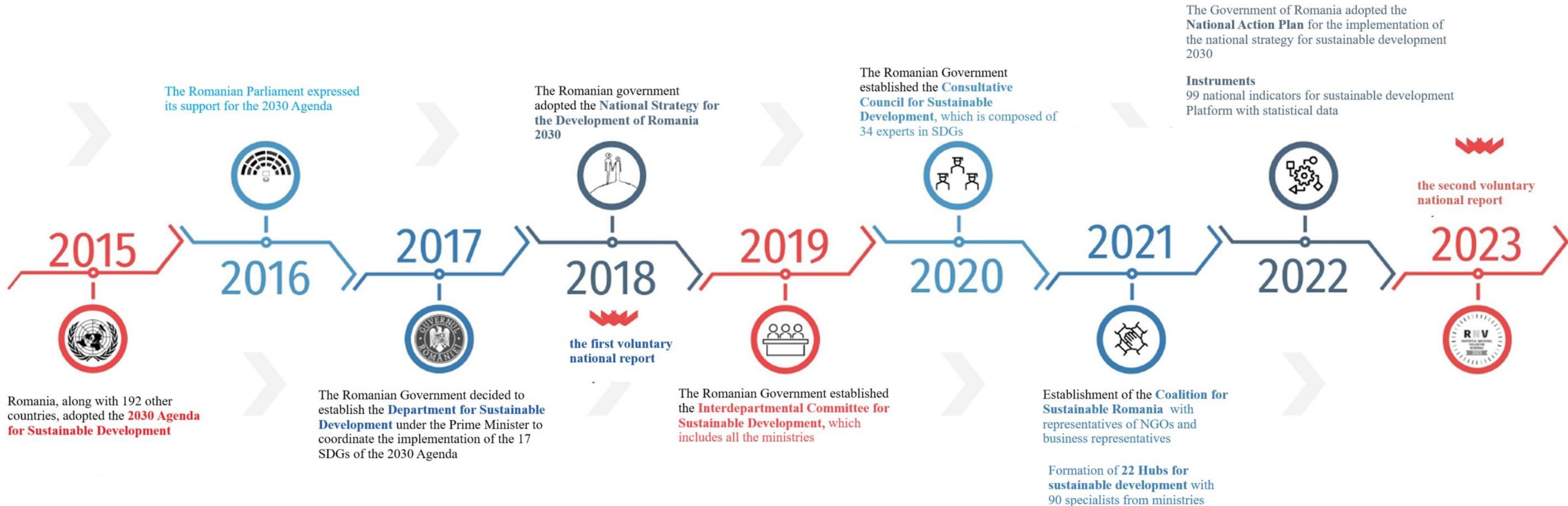


# Institutional framework for implementation of SDS 2030




Source: Department for Sustainable Development within the Prime Minister's Office, 2020.

# ROMANIA'S ROAD TOWARDS SUSTAINABILITY





# NATIONAL INITIATIVES AND EVENTS

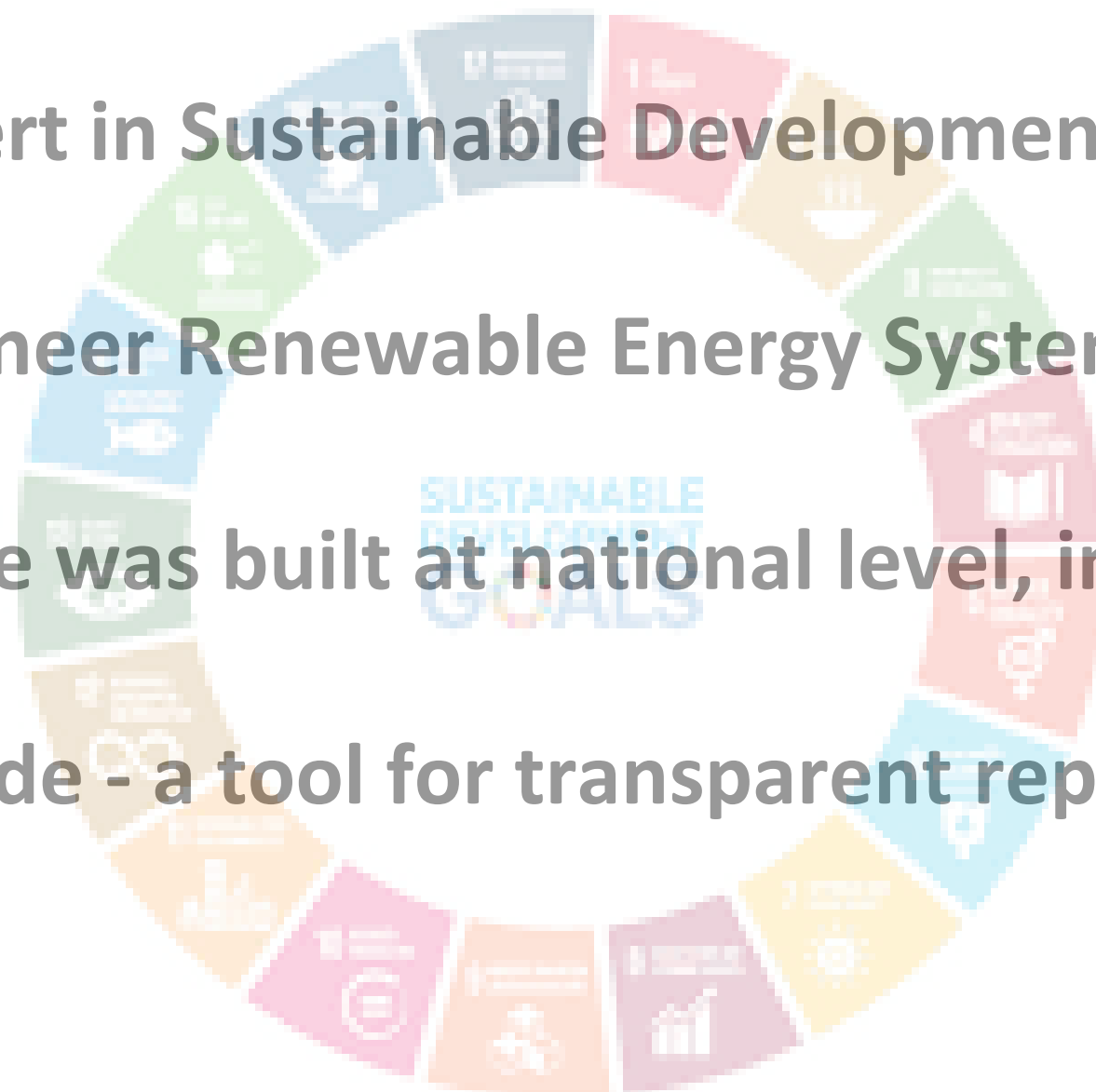
ROMÂNIA 

2017 - new occupation “Expert in Sustainable Development”

2019 - new occupation “Engineer Renewable Energy Systems”

- open access online database was built at national level, integrating specific statistics

- Romanian Sustainability Code - a tool for transparent reporting of non-financial data by companies



# BRASOV

2021 - Integrated Urban Development Strategy of the Braşov Metropolitan Area



**STRATEGIA DE DEZVOLTARE DURABILĂ  
A JUDEȚULUI BRAȘOV  
2021-2030**

**PLANUL DE ACȚIUNE**

2006 - Sustainable Development Agency

2021 – Sustainable Development Strategy of Brasov County

Action Plan



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# TRANSILVANIA UNIVERSITY OF BRASOV

## Strategic Plan 2024-2029, Action Plan

The strategic plan for internationalization  
Erasmus+ Procedures

Procedures for finding the opinion of candidates for university enrolment, of master students after the first year of studies, for communication with the graduates

The action plan for gender equality

Procedures for the supervision of the health of university employees

Regulations and procedures for a high quality education at bachelor, master and doctoral studies

Code of conduct - maintaining an inclusive culture that promotes equality and diversity; actions for preventing possible sources of discrimination

Strategy for open, transparent and results-based recruitment of researchers



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# Responsibilities

Top management of UNITBV didn't nominate a person in charge of sustainability.

The Rector formulates the university development strategy and coordinates the sustainability initiatives.

Vice-rectors – responsibilities in greening the activities

General Manager and his team - the energy management in the campus and the implementation of renewable energy systems in the university buildings

The actions take into consideration the external perspective of the stakeholders who form the Council of Partners.



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# INITIATIVES AND EVENTS

2005 – first edition of the international **Conference for Sustainable Energy**

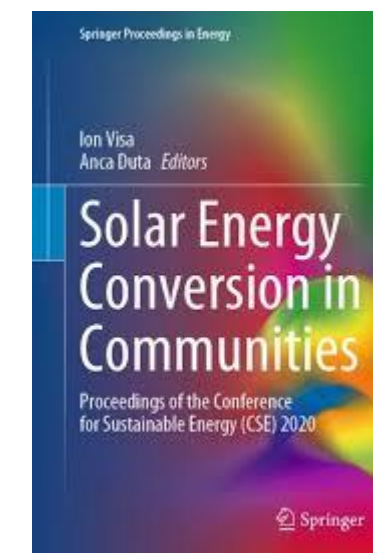
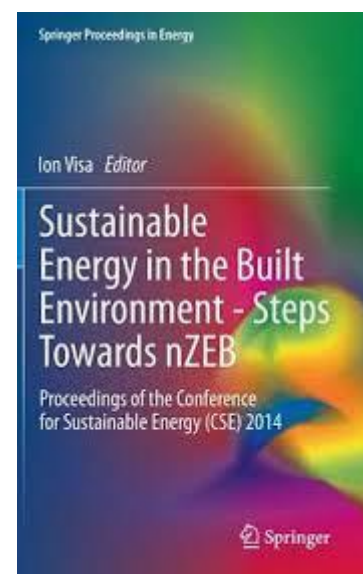
2005-2006 - “**Solar House**”, one of the first buildings in the Brasov area intended to reach the status of net zero energy building

2006 – bachelor program “**Engineering of Renewable Energy Systems**”

2009- 2013 - Multidisciplinary **Research & Development Institute**

11 Institute buildings (30 research centers) with high energy autonomy and 68 integrated lines of high-tech equipment capable of supporting research in the field of sustainable energy and High-Tech products.

2023 – **UNITA Alliance**, 12 universities from seven countries, which are located in rural, mountain, and cross-border regions.



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## Research & Development Institute of UNITBV

- interdisciplinary research in engineering and nontechnical fields, as follows: renewable energy, recycling, green mobility, advanced materials and green technologies for different sectors, sustainable forestry, life quality and human performance, education for a sustainable community
- It hosts the **Technological and Business Incubator** that supports new companies in the first three years, the **Technological Transfer and Business Centre** and the **Digital Innovation Hub**, initiated together with the Metropolitan Agency Braşov, Brasov City Hall and the Economic German Club



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## EDUCATION

**2006 - BSc in Engineering of Renewable Energy Systems**

**BSc in Waste Management**

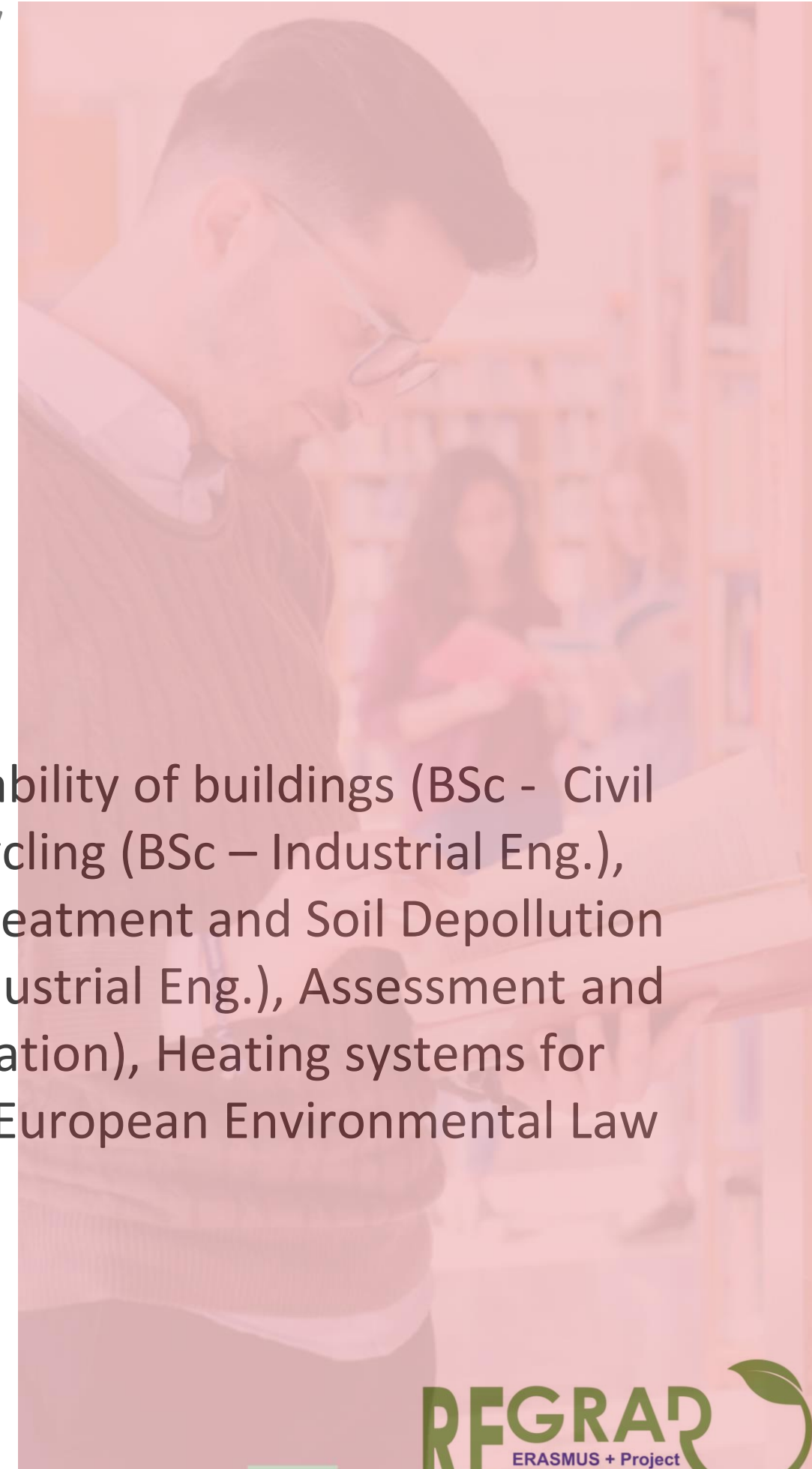
**2009 – MSc in Sustainable product design and environment protection**

**2016 - MSc in European Forestry (Erasmus Mundus)**

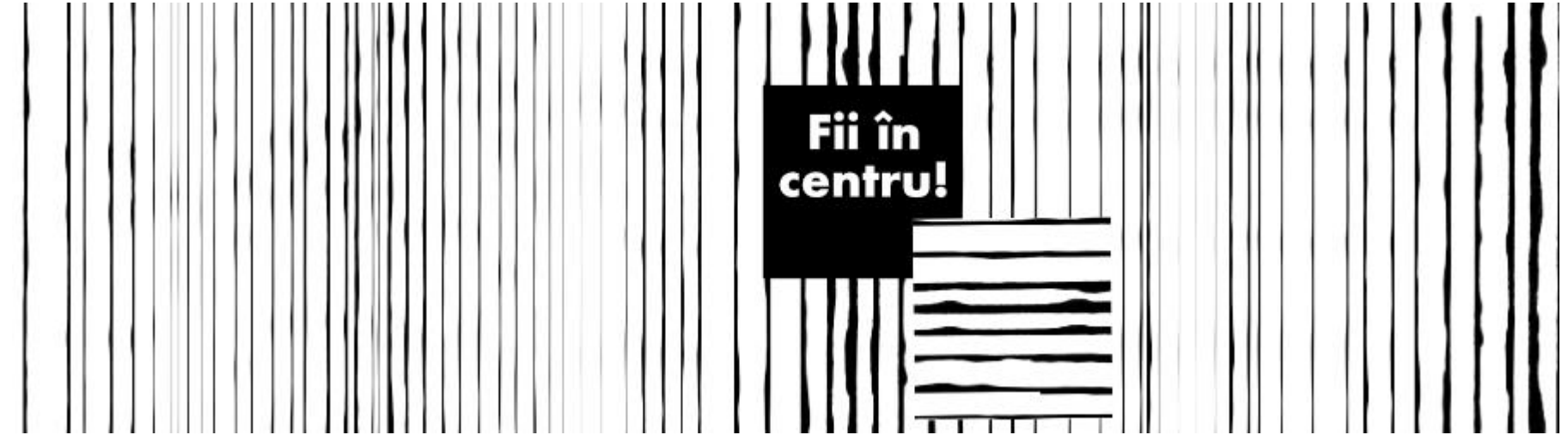
**MSc in Management of Hospitality and Ecological Tourism**

**2018 – MSc in Sustainable Construction Engineering**

Sustainable development management (MSc – Economics & Business field), Sustainability of buildings (BSc - Civil Eng.), Product Design for Sustainable Development and Eco-design and product recycling (BSc – Industrial Eng.), Integrated waste management (BSc. – Environment Eng.), Integrated Wastewater Treatment and Soil Depollution Technologies (MSc. - Environment Eng.), Ecological materials for welding (MSc. – Industrial Eng.), Assessment and control of chemical pollution from motor vehicles and road traffic (MSc. – Transportation), Heating systems for passive and NZEB houses (MSc. – Civil Eng.), Waste management (BSc. – Medicine), European Environmental Law (MSc. – Law) etc.



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## STUDENTS INVOLVEMENT

- **project competition “Be central”**: development and optimization of processes and activities; budget 500,000 lei / project and a maximum of 10 projects are selected each academic year.

The priorities of the 2024 competition were: digitalization of the university processes; improving the didactic activity; development of UNITBV Green Campus.

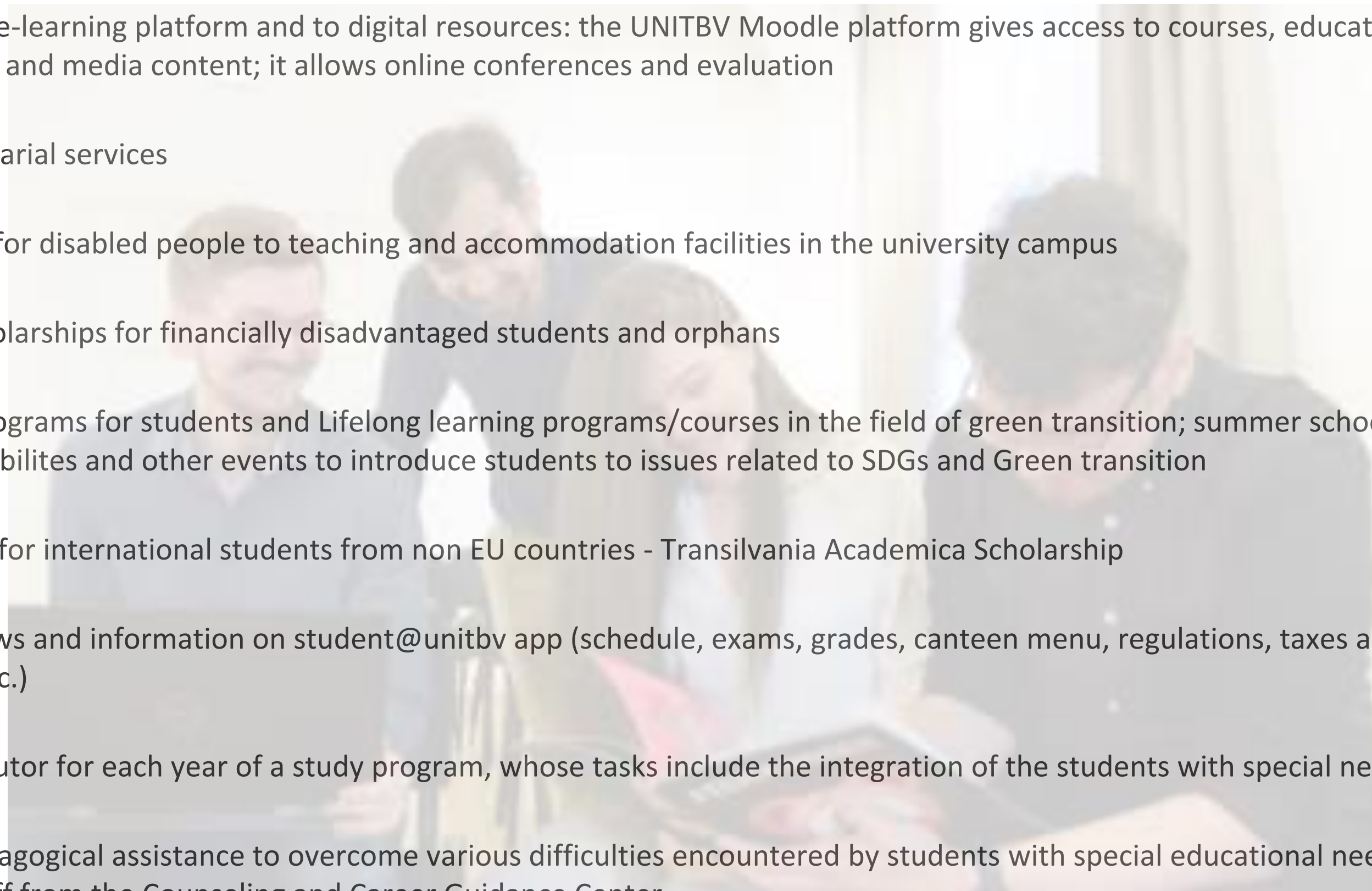
- **EVER-UNITBV**, a team of four students who are involved in the UNITBV energy management, in promoting actions to reduce UNITBV carbon-footprint, in raising awareness of the UNITBV community regarding green transition and SDGs





# Students – access to education

- distinct admission for candidates from rural areas
- access to the e-learning platform and to digital resources: the UNITBV Moodle platform gives access to courses, educational materials, presentations and media content; it allows online conferences and evaluation
- online secretarial services
- accessibility for disabled people to teaching and accommodation facilities in the university campus
- granting scholarships for financially disadvantaged students and orphans
- mobility programs for students and Lifelong learning programs/courses in the field of green transition; summer schools, hackathons, virtual and rural mobilities and other events to introduce students to issues related to SDGs and Green transition
- competition for international students from non EU countries - Transilvania Academica Scholarship
- access to news and information on student@unitbv app (schedule, exams, grades, canteen menu, regulations, taxes and scholarships, templates etc.)
- designated tutor for each year of a study program, whose tasks include the integration of the students with special needs in the community
- Psycho-pedagogical assistance to overcome various difficulties encountered by students with special educational needs; it is offered by specialized staff from the Counseling and Career Guidance Center.



## Staff and students

- to improve the comfort in the campus by implementing solar, wind and geothermal systems
- to train the staff and students in the energy sector in order to act as a Green Deal multiplier and facilitator at societal level
- to digitalize education, research and social services (Student@Unitbv app)
- to increase organizational well-being (Multicultural Center, Musical Center, Academic Writing Center, 3D Printing Center, Confucius Institute, Centre for Career Guidance and Counseling, Student Entrepreneurial Society)



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## Future actions

- rethink the internal processes of the institution towards sustainability, involving both education and research & innovation (UNITA objective)
- promote environmental-friendly actions among employees
- preserve and improve the biodiversity
- evaluate and reduce the environmental impact of the institution (carbon footprint) (UNITA objective)
- support projects focusing on making a green campus (the “Be central” projects for student teams)
- develop training courses for staff and students in sustainability
- promote UNITBV actions and events concerning Green Transition at local, regional level
- continue to improve the organizational well-being of the UNITBV community (health, culture, sports etc.), correlated with gender equality, diversity, and inclusion practices



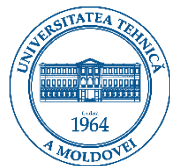
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# THANK YOU!



MINISTERUL EDUCAȚIEI  
ȘI CERCETĂRII  
AL REPUBLICII MOLDOVA



Universitatea  
Transilvania  
din Brașov



CCI FRANCE  
MOLDAVIE



NUACA  
NATIONAL UNIVERSITY OF ARCHITECTURE  
AND CONSTRUCTION OF ARMENIA



YEREVAN  
STATE  
UNIVERSITY



UNIVERSITÀ DEGLI STUDI  
DEL SANNIO Benevento



c e s i e  
the world is only one creature

University

from Strasbourg

