



PETROLEUM-GAS UNIVERSITY OF PLOIESTI EXPERIENCE ACCUMULATED IN ADDRESSING THE CHALLENGES OF THE COVID-19





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PETROLEUM-GAS UNIVERSITY OF PLOIEȘTI



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Mission&Vision

Petroleum-Gas University of Ploiesti sees its mission in realization of the national policy in the sphere of higher education in the best possible way. One of the directions of this policy is creation of a new economy, i.e., economy of knowledge, leadership, and innovation. The key elements of such economy are highly qualified engineers competent with advanced technologies, capable of solving complex industrial tasks.

Our mission, new energy for the future!



PETROLEUM-GAS UNIVERSITY OF PLOIEȘTI



History

Petroleum-Gas University of Ploiesti was established in Bucharest in 1948, under the name of the Institute of Oil and Gas. The main objective of the institute, from the beginning, was to train specialists with higher education for the main branches of the Romanian oil and gas industry. The establishment of this institution occurred as a natural consequence of the experience of Romanian specialists, of the technical and scientific level of the achievements acquired in the field of oil and gas industry in our country.

In 1992, the Institute of Oil and Gas was transformed into the University of Ploiești. The transition to university status was imposed by the emergence of new faculties and departments in the field of humanities and economics. For a better representation of both the tradition and its modern structure, the name of the University of Ploiești was changed in 1993, to the “Petroleum-Gas” University of Ploiești. Currently, the academic structure of PGU includes 5 faculties: the Faculty of Petroleum and Gas Engineering, the Faculty of Mechanical and Electrical Engineering, the Faculty of Petroleum Technology and Petrochemistry, the Faculty of Economics and the Faculty of Letters and Sciences.

Academic Education- vital to a strong oil industry

In 1948, the Institute of Petroleum, Gas and Geology in Bucharest is established

Since 2002, the name of the institution has become Petroleum-Gas University of Ploiesti.

Between 1967 and 1974 the Petroleum, Gas and Geology Institute of Bucharest was transferred to Ploiesti without the Faculty of Geology, under the name of Petroleum-Gas Institute of Ploiesti (IPG)

Petroleum-Gas University of Ploiesti organizes:

*Bachelor
Programmes;*

*Research and
Counselling;*

*Master
Programmes;*

*Open and Distance
Learning
Programmes;*

*Doctoral
Programmes;*



PETROLEUM-GAS UNIVERSITY OF PLOIESTI

University structure





FACULTY OF PETROLEUM AND GAS ENGINEERING

Field of study - Bachelor studies (4 years)	Programme of study	Field of study – Master studies (1,5 years)	Programme of study	Field of study – PhD (3 years)	Programme of study
Mines, Oil and Gas (Full-time courses)	Petroleum and Gas Engineering	Mines, Petroleum and Gas (Full-time courses)	Reservoir Engineering	Mines, Oil and Gas	Petroleum Geology and Reservoir Engineering
	Hydrocarbons Transportation, Storage and Distribution		Petroleum Production		
Mines, Petroleum and Gas (Part time courses)	Petroleum and Gas Engineering		Well Drilling		
			Management in the Petroleum Industry		
Geology Engineering (Full-time courses)	Petroleum Resources Geology		Technology of Hydrocarbons, Transportation, Storage and Distribution		
		Petroleum Geology	Well drilling, Hydrocarbons Production and Transportation		



FACULTY OF MECHANICAL AND ELECTRICAL ENGINEERING

Field of study - Bachelor studies (4 years)	Programme of study	Field of study – Master (1,5 years)	Programme of study	Field of study – PhD (3 years)	Programme of study
Mechanical Engineering (Full-time courses)	Petroleum and Petrochemical Equipment Hydrocarbon Transportation and Storage Equipments	Mechanical Engineering (Full-time courses)	Hydrocarbons Transport and Storage Systems Engineering	Mechanical Engineering (Full-time courses)	Mechanical Engineering
Electrical Engineering (Full-time courses)	Electromechanics		Risk management and Engineering Reliability of Petroleum and Petrochemical Equipment		
System Engineering (Full/part time courses)	Automatic Control and Applied Informatics		Engineering Optimal Exploitation of Oilfield Equipment		
Computers and Information Technology (Full-time courses)	Computers Engineering	Engineering and Management (Full-time/distance courses)	Management and Production Engineering Equipment Oil and Petrochemical		
Engineering and Management (Full-time/distance courses)	Economic Engineering in the Mechanical Field	System Engineering (Full/part time courses)	Advanced Control	System Engineering (Full/part time courses)	Automatics Computers and Electronics



FACULTY OF PETROLEUM REFINING AND PETROCHEMISTRY

Field of study - Bachelor studies (4 years)	Programme of study	Field of study – master (1.5-2 years)	Programme of study	Field of study – PhD (3 years)	Programme of study
Chemical Engineering (Full-time courses)	<ul style="list-style-type: none"> Petroleum Processing and Petrochemistry (Romanian and English Language-New) Chemical and Biochemical Processes Informatics and Engineering Food Control and Security 	Chemical Engineering (Full-time courses)	<ul style="list-style-type: none"> Computer Aided Chemical Engineering Applied in Refineries and Petrochemistry Advanced Technologies for Petroleum Processing 	Chemical Engineering	Chemical Engineering
		Environmental Engineering (Full/part time courses)	Engineering and Environmental Protection in Industry		



FACULTY OF ECONOMIC SCIENCES

Field of study - Bachelor studies (3 years)	Programme of study	Field of study – master (2 years)	Programme of study
Business Administration (Full-time courses)	<ul style="list-style-type: none"> Economics of Trade, Tourism and Services Science of Commodities and Quality Management 	Business Administration (Full-time courses)	<ul style="list-style-type: none"> Business Administration in Petroleum and Gas Industry Administration and Financing of Development Projects
Economic, Cybernetics, Statistics and Informatics (Full-time courses)	Economic Informatics		<ul style="list-style-type: none"> Strategies in International Business
Finance (Full-time courses)	Finance and Banking	Management (Full-time courses)	<ul style="list-style-type: none"> Management of Banking System Management of Microeconomic Systems Management of Public Sector
Management (Full-time / distance courses)	Management		
Accounting (Full-time / distance courses)	Accounting and Management Information Systems	Economic Informatics (Full-time courses)	<ul style="list-style-type: none"> Information Technology for Business



FACULTY OF LETTERS AND SCIENCES

Field of study – Bachelor's Degree (3 years)	Programme of study	Field of study – Master's Degree (2 years)	Programme of study
Language and Literature (Full-time courses)	<ul style="list-style-type: none"> • Romanian Language and Literature – English Language and Literature • English Language and Literature – French Language and Literature 	Philology (Full-time courses)	<ul style="list-style-type: none"> • Concepts and Strategies of Intercultural Communication • Romanian Cultural Studies in the European Context
Informatics (Full-time courses)	Informatics	Computer Science (Full-time courses)	Advanced Information Processing Technologies
Administrative Sciences (Full-time courses)	<ul style="list-style-type: none"> • Public Administration • Management Assistance and Office Administration 	Administrative Sciences (Full-time courses)	Public Administration and European Integration
Education Sciences (Full-time courses)	<ul style="list-style-type: none"> • Pedagogy of Primary and Preschool Education • Pedagogy 	Education Sciences (Full-time courses)	<ul style="list-style-type: none"> • School Counselling and Career Development • Education Management in the European Context

PETROLEUM-GAS UNIVERSITY OF PLOIESTI

Main advantages of studying in Romania:

1. Diploma Supplement

Each graduation Diploma issued by Romanian universities accredited by the Ministry of Education has a unique European Administrative appendix. This document provided in Romanian and in English facilitates the academic and professional recognition of qualifications. It is designed to provide a description of the nature, level, context, content and status of the studies that were successfully completed.

2. Transferable credit system

A set of regulations ensures recognizing transfer student's past academic results and achievements.

3. Other advantages

- Higher education quality assurance
- International student mobility
- Lifelong learning
- Very affordable tuition fees



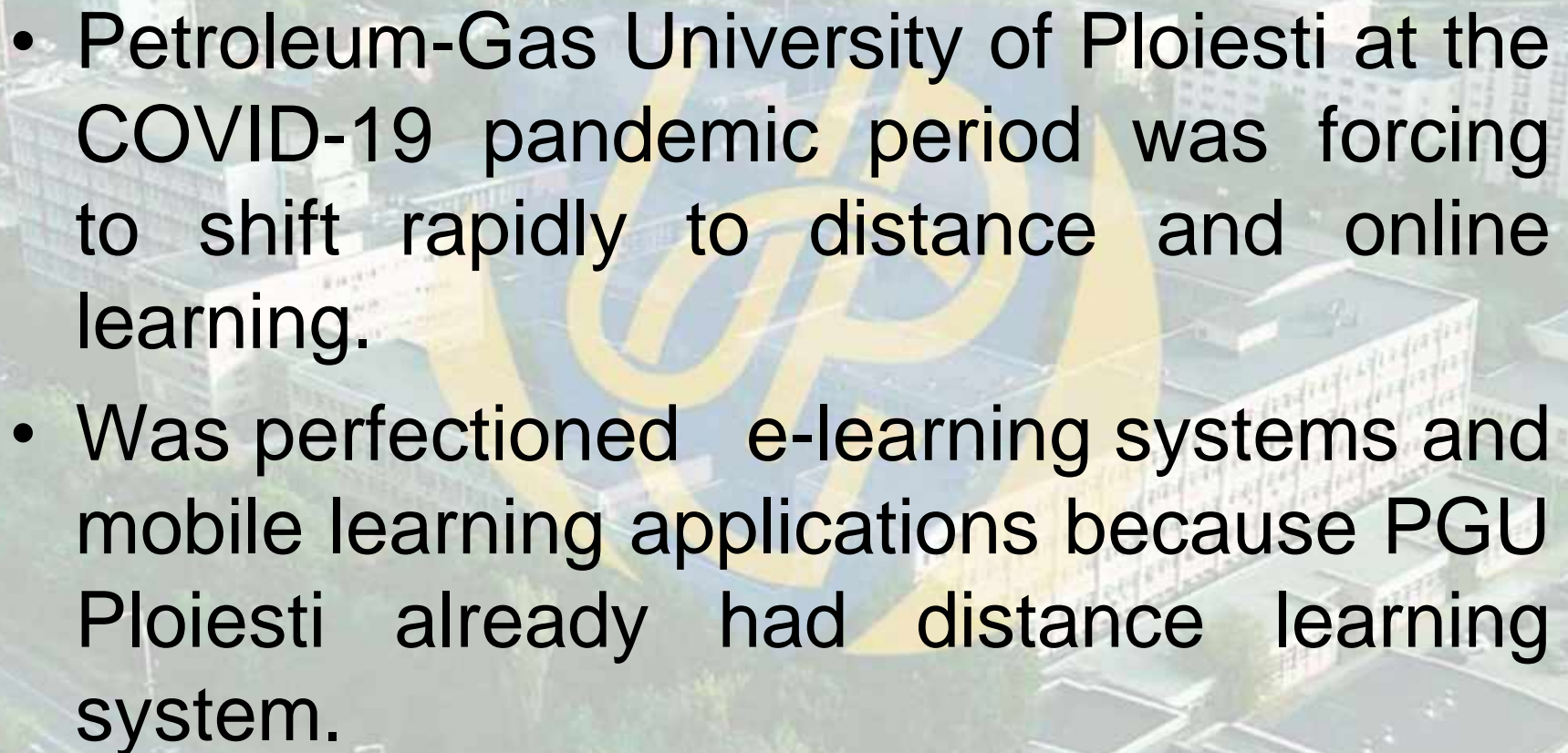
Be an Engineer in Romania!

Gateway to the European Union

Petroleum-Gas University of Ploiesti at the COVID-19 pandemic period was forcing to shift rapidly to distance and online learning.

Was perfected e-learning systems and mobile learning applications because PGU Ploiesti already had distance learning system.



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- The background of the slide is an aerial photograph of a city, likely Ploiesti, showing a dense urban area with many buildings and green spaces. Overlaid in the center of the image is a large, semi-transparent logo consisting of a yellow circle with a blue stylized 'P' and 'G' intertwined inside it.
- Petroleum-Gas University of Ploiesti at the COVID-19 pandemic period was forcing to shift rapidly to distance and online learning.
 - Was perfectioned e-learning systems and mobile learning applications because PGU Ploiesti already had distance learning system.

DIFFERENCES BETWEEN TRADITIONAL AND ONLINE LEARNING MAY ALSO BE ACKNOWLEDGED IN TERMS OF PRINCIPAL SOURCES OF INFORMATION, ASSESSMENT, OR QUALITY OF EDUCATION

Barriers & Solutions to the development and implementation of online learning

Skills

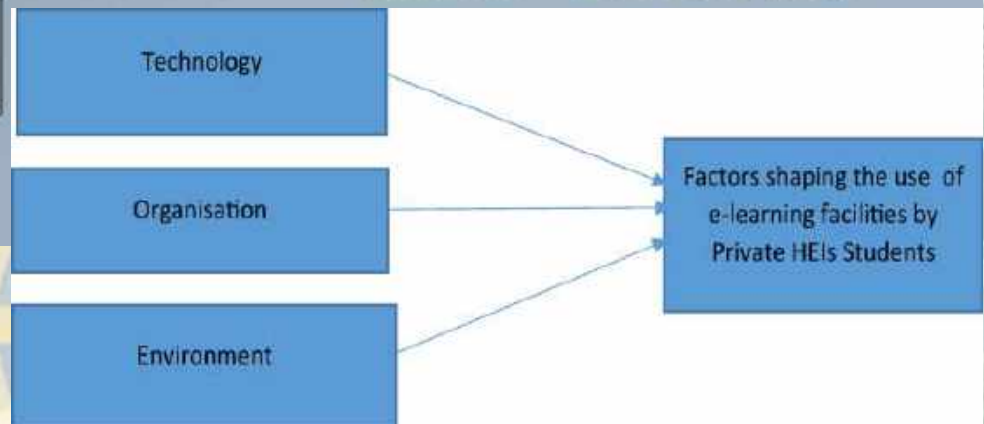
Resources

Institutional Strategies & Support

Attitude



**Excellent
mentoring:
worth
the work!**



- The coronavirus pandemic has generated changes in the teaching-learning process in higher education institutions and has influenced the interaction between teachers and students

OBSTACLES- LEARNING PROCESS

- decreased motivation
- delayed feedback
- feelings of isolation

These obstacles can be overcome

- With the help of teachers who should adapt teaching strategies to the needs of students
- Designed to offer students, teachers, and administrators a system that can help them create an enhanced and customized learning climate, Moodle , GOOGLE CLASSROOM.
- Collaborative learning, quick feedback, active learning, task time–encouraging
- Students to allocate more time for completing tasks, high expectations–the teacher should communicate their expectations in order to encourage and motivate students, diversified learning, and technology application



STUDENTS LEARN TO SELF-REFLECT



STUDENTS KNOW THEIR MASTERY LEVEL



STUDENTS CAN SEE THEIR GROWTH



STUDENTS LEARN MULTIMEDIA COMPOSITION



IT'S A CHANCE TO CELEBRATE LEARNING



STUDENTS IMPROVE IN THEIR METACOGNITION



IT INCREASES OWNERSHIP AND AGENCY IN THE ASSESSMENT PROCESS

THE BENEFITS OF STUDENT PORTFOLIO PROJECTS



STUDENTS SHARE THEIR WORK WITH A LARGER AUDIENCE



STUDENTS ARE ABLE TO DETERMINE NEXT STEPS



INTERNATIONALIZATION PROCESS

- INTERNATIONAL PROGRAMME FOR RESEARCH DISEMINATE THE RESULTS IN THE VIRTUAL WORKSHOP

NEW PROJECTS -2020- 2021

- *VALIDEX- Experimental testing of higher educational policy intervention opportunities aiming at the implementation or extension of validation practices, and making policy proposals backed up with the pilot policy measure testing results- PARTENERI UNGARIA și SLOVACIA- 600.000 Euro-ERASMUS +*
- *-KEY ACTION 3*

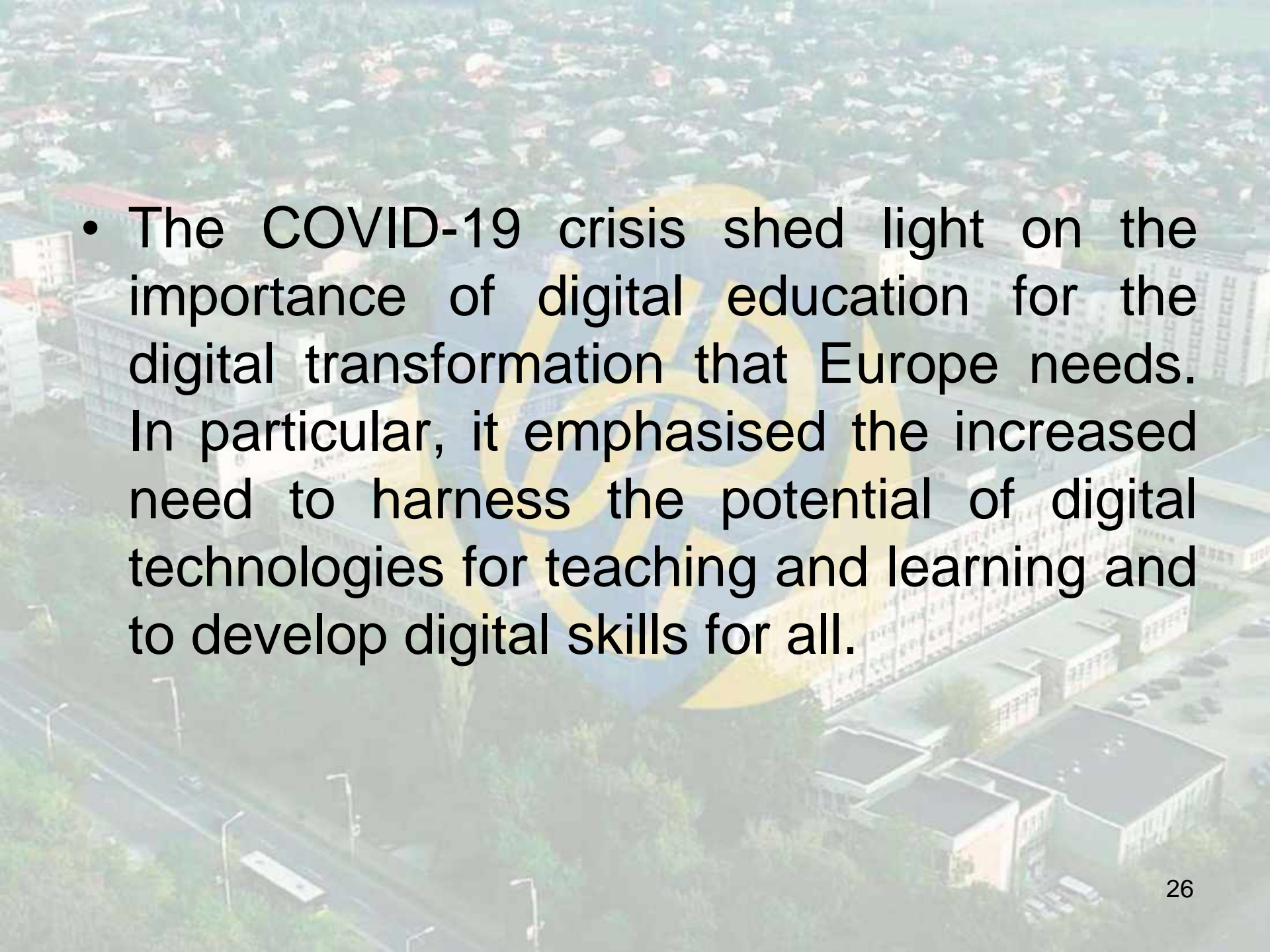
NEW PROJECTS -2020- 2021

- *“CONOCO: COping with NO mobility during Corona Virus times: Learning from each other”- ERASMUS +-KEY ACTION 2*
- **MARTERA -2021 -EcoSMART-**
Environmentally friendly, advanced coatings for corrosion prevention on offshore structures .
- **EEA GRANTS- research programme with NORWAY UNIVERSITIES**

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- An aerial photograph of a university campus, showing various buildings, green spaces, and parking areas. A large, semi-transparent yellow '@' symbol is overlaid in the center of the image. The text is overlaid on the image in a bold, black, sans-serif font.
- Developing more partnerships and developing joint hybrid and-or digital programmes with universities.
 - Internationalisation of higher education (post COVID-19) bring about a hybrid (traditional and digital) or even a strong trend to further develop digital-based programmes.

INTERNATIONAL MOBILITY MOVE TO DIGITAL LEARNING

- promote learning mobility of individuals and groups;
- promote non-formal and informal learning mobility;

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- An aerial photograph of a city, likely a university campus, with a large, semi-transparent yellow and blue logo overlaid in the center. The logo features a stylized 'S' or 'Z' shape. The city below shows various buildings, roads, and green spaces.
- The COVID-19 crisis shed light on the importance of digital education for the digital transformation that Europe needs. In particular, it emphasised the increased need to harness the potential of digital technologies for teaching and learning and to develop digital skills for all.

ERASMUS+

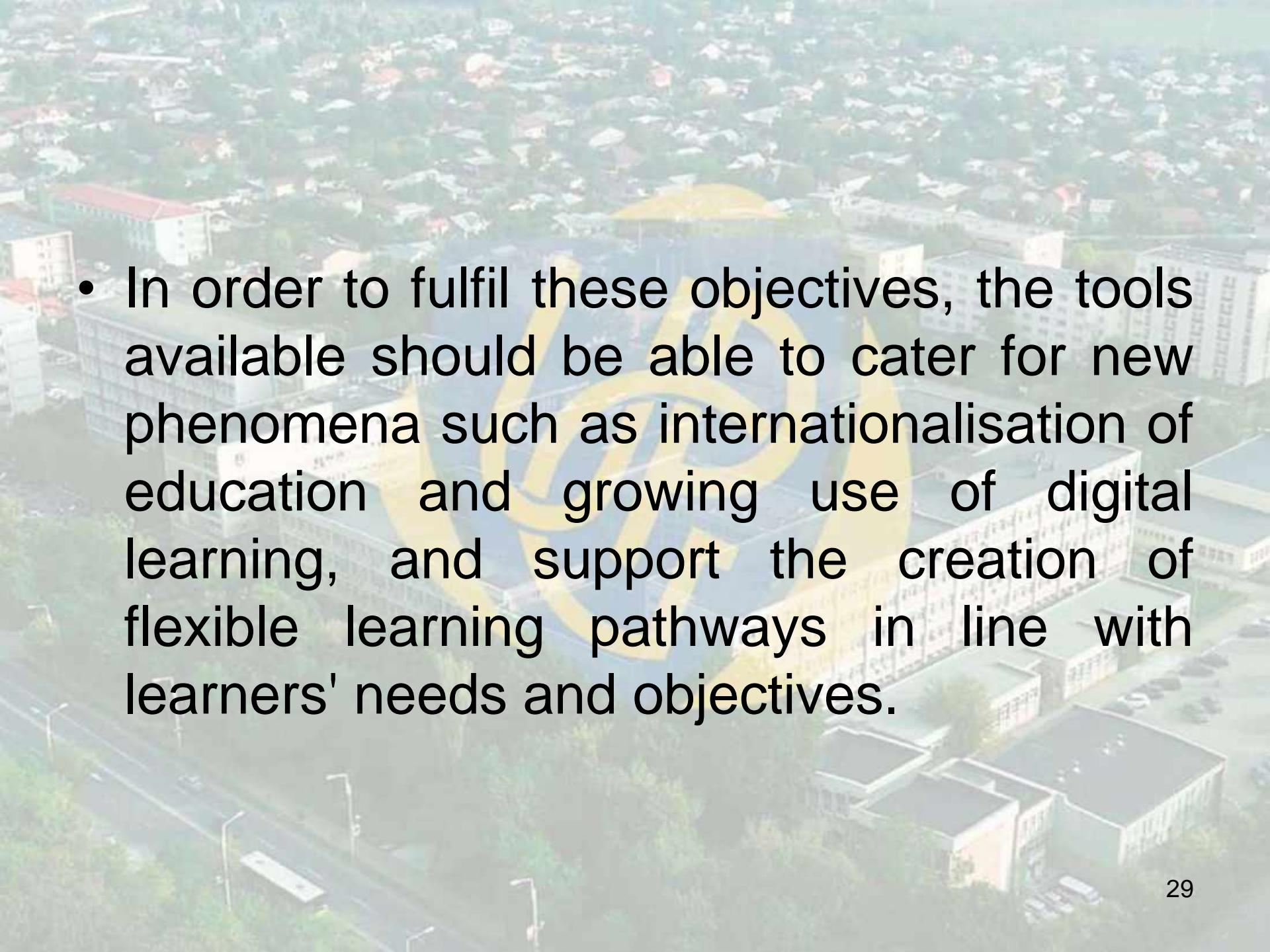
- In line with the strategic priorities of the Digital Education Action Plan (2021-2027), the Erasmus + Programme aims to support this endeavour to engage learners, educators, youth workers, young people and organisations in the path to digital transformation.

FUTURE

- 19-23 April 2021

Erasmus + Week-International Dimension in Petroleum-Gas University of Ploiesti- virtual network

- ERA-NET Urban Transformation Capacities

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- An aerial photograph of a city with a large, semi-transparent yellow and blue logo overlaid in the center. The logo consists of a yellow circle with a blue '@' symbol inside. The city below shows various buildings, streets, and green spaces.
- In order to fulfil these objectives, the tools available should be able to cater for new phenomena such as internationalisation of education and growing use of digital learning, and support the creation of flexible learning pathways in line with learners' needs and objectives.

Thank you for your
attention!

Questions?

