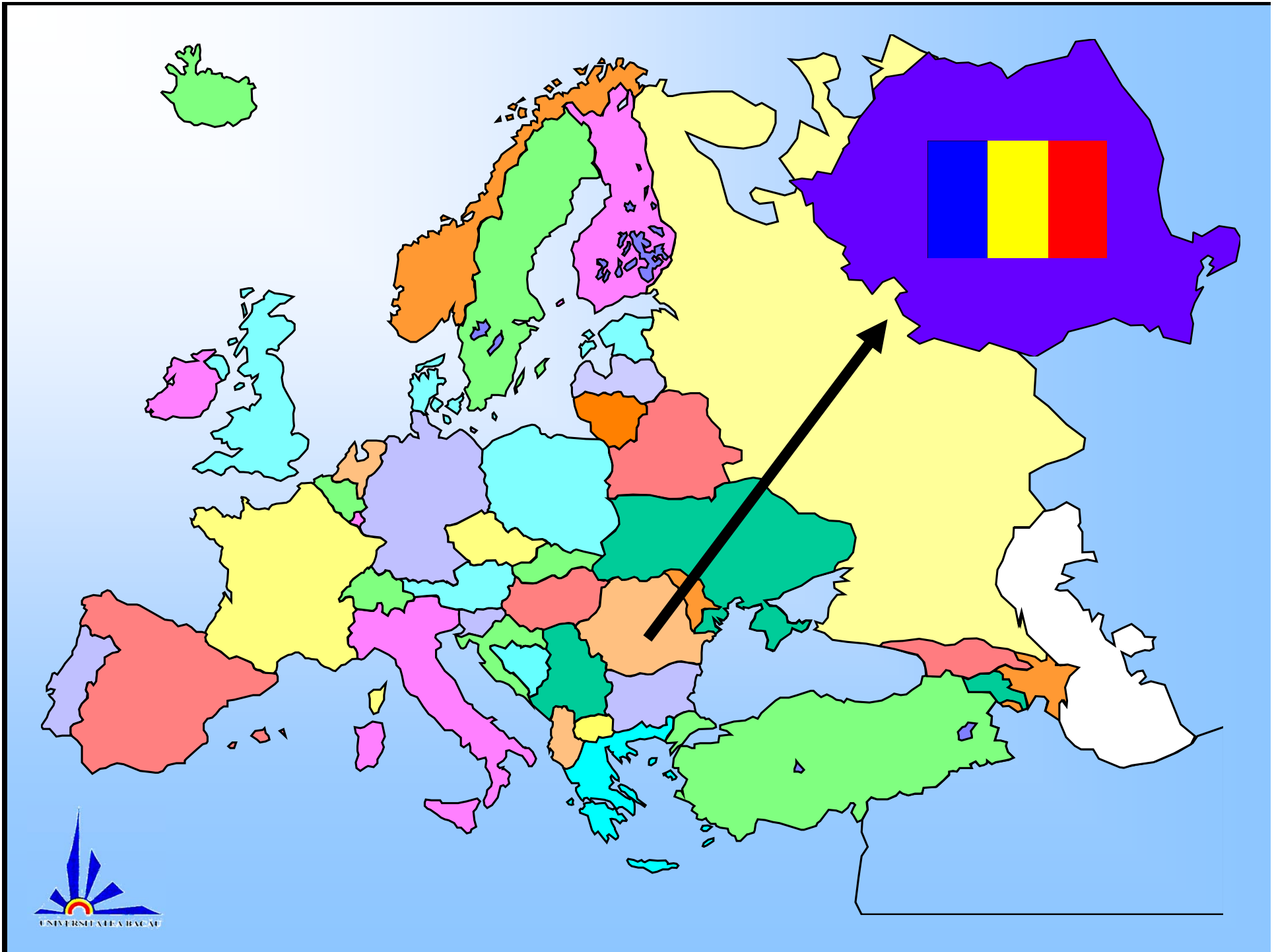


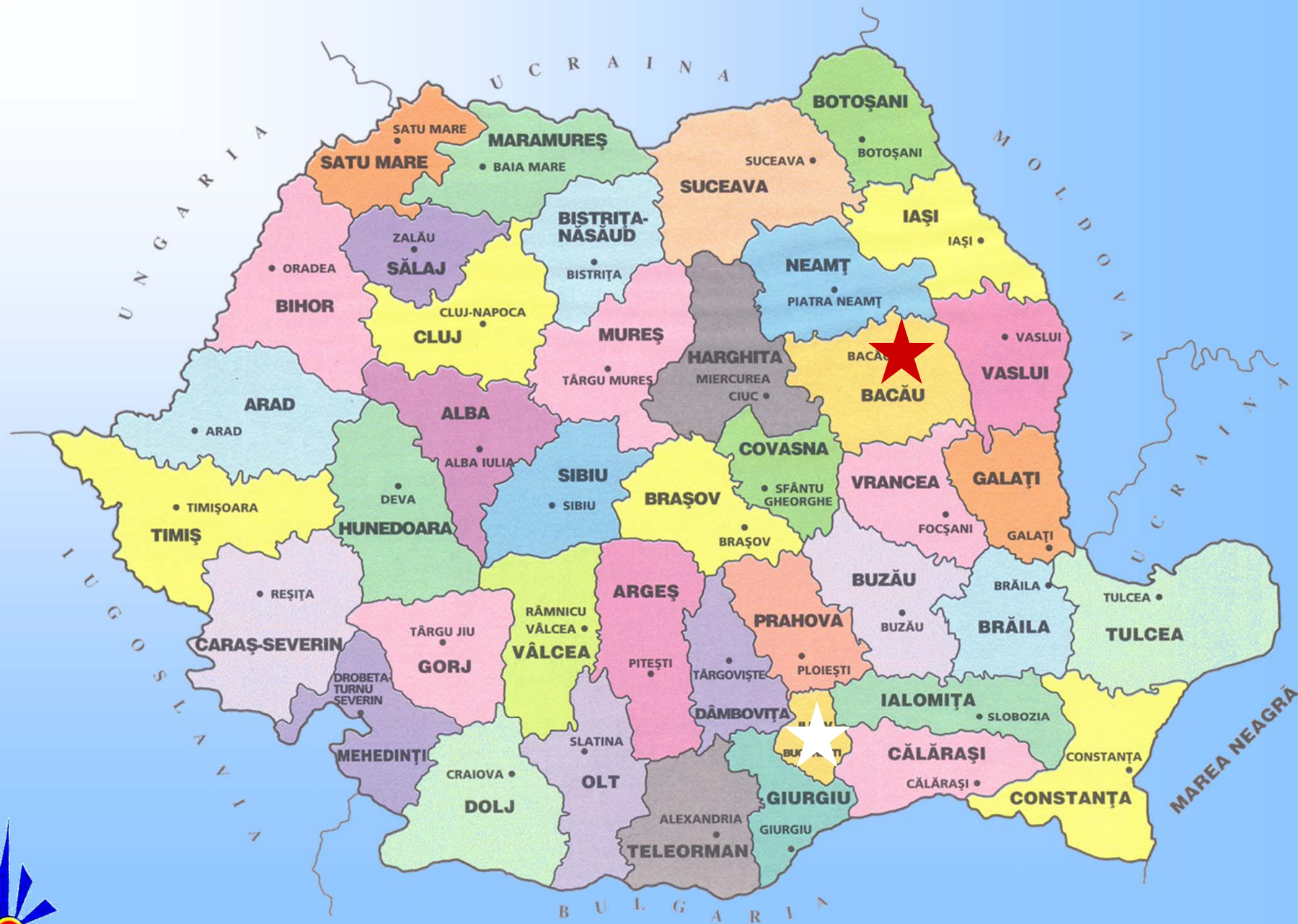
Romania

"Vasile Alecsandri"
Univesity of Bacau









Bacau County

- Located in the central area of the *North - East Region of Romania*,
- Position: At *302 Km* distance from the country capital, *Bucuresti*
- Religion: *Orthodox (81.64%), roman - catholic (17.06%)*
- County residence: *Bacau (144,307 inhabitants)*
- Infrastructure: European roads, railways, international airport



Bacau County - Industry

- On an industrial development national scale, *Bacau County* is on the *sixth place*, achieving approximately *4,5%* from the total production of Romania.
- *Bacau County* is one of the main producers of synthetic rubber, sulphuric acid, timber, paper, caustic soda, chemical fertilizers, oil, Diesel fuel.

Bacau County - Industry

- *Mining industry:*
 - crude-oil exploitation and natural gas production;
 - coal extraction
 - salt extraction
- *Processing industry* main components:
 - oil processing
 - chemicals
 - food products
 - wood processing
 - pulp and paper
 - electric power and thermal energy.



Bacau County – Agriculture

- **Agricultural crops** (2.6% of the Romanian agricultural yield), the following prevailing:
 - corn
 - fodder
 - wheat and rye
 - vegetables
 - potatoes
 - sunflower
- **The animal farming** (3.4% of Romania's livestock), provides a significant percent of the **poultry meat** national production. Other animals bred are cattle, pigs, sheep and goats.





Bacău

Bacău – old city



Vasile Alecsandri House of Culture



“George Bacovia” Theatre



History Museum



Bacau County administrative building



Bacau – City Hall





DECEBAL Hotel



BRD Bank



George Bacovia - poet



**Stefan cel Mare
Sovereign of Moldova
(1457 – 1504)**

St. Nicholas Church





MARASESTI Blvd



MOLDOVA Hotel













The largest Orthodox church



Olympic swimming pool





- In **Bacău City** are 2 universities:
- "Vasile Alecsandri" University of Bacău (public university)
 - "George Bacovia" (private university).



GEORGE BACOVIA UNIVERSITY





Universitatea din Bacău

ROMANIA



UNIVERSITATEA BACĂU

The University of Bacau

The "Vasile Alecsandri" University of Bacau, one of the main universities in Romania, operating in the forefront of research and training, is recognized nationally and internationally for outstanding quality of its teaching activity.



HISTORY



- **1961** - Foundation of the Pedagogical Institute of Bacau,
- **1976** - The Pedagogical Institute became Superior Teaching Institute,
- **1984** - The Superior Teaching Institute is transformed in Engineering Institute, as a part of the Polytechnical Institute of Iassy,
- **1990** - The Superior Teaching Institute became the University of Bacau.



ACTUAL STRUCTURE

- 5 faculties
- 6 departments



FACULTIES



- Engineering Faculty
- Faculty of Economic Sciences
- Faculty of Sciences
- Faculty of Movement, Sport and Health Sciences
- Faculty of Letters



DEPARTMENTS



- Postgraduate Studies and Continuing Education Department
- Teachers' Training Department
- Distance Learning Department
- Research & Technology Transfer Department
- Office of International Relations and European Integration
- Department of Counselling and Career Advisory Services



ACADEMIC STAFF

- 23 speciality chairs
- 207 teaching & research personnel:
 - 183 with a PhD degree



FORMATIONS

Undergraduate formations :

- fundamental sciences,
- engineering,
- over 5000 students

Postgraduate formations :

- master formations
- advanced studies formations
- specializing formations
- training formations etc.



Department of Postgraduate Studies and Continuing Education

Besides the advanced studies and master degree courses organized in collaboration with the faculties, this department offers the following specializations:

Postgraduate specialization studies (1,5 years):

- Technology Education
- Computer Sciences

Professional reconversion (1,5 years):

- Technology Education
- Computer Sciences



Department of Postgraduate Studies and Continuing Education

Postgraduate specialization courses (6 month):

- Urbanism and Territory Arrangement

Postgraduate training courses:

- Management of Architecture, Urbanism and Territory Arrangement Projects
- Organizational Management
- Scientific, Technical and Economic Achievements in Food Industry
- Design and Projection Techniques in Solid Edge



Department of Counselling and Career Advisory Services

This department is addressing to the high school students, future students of the University of Bacau, through:

- Information about the requirements and admission regulation at the University of Bacau's faculties, the accommodation offer
- Information about European Credit Transfer System (ECTS), about postgraduate specialization courses
- Counselling and vocational advisory activities
- Information concerning the labour market offers etc.



Student's organization

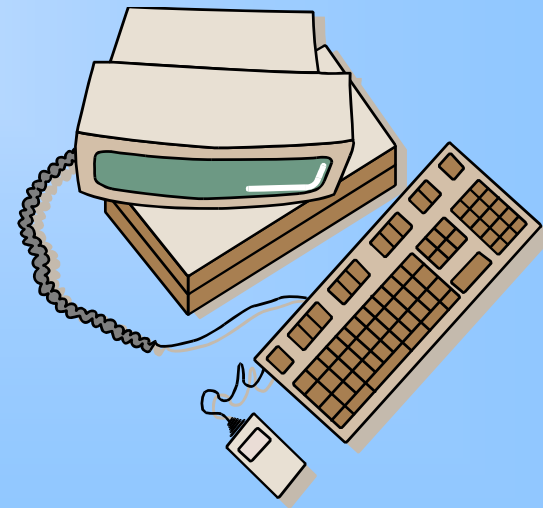
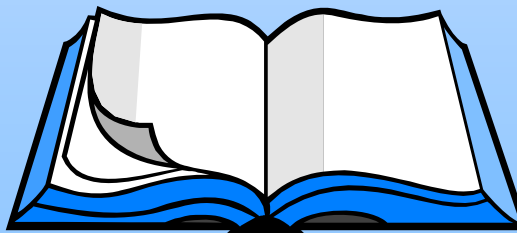
Student's interests are represented by Students' League, an organization that was set up in 1990. The Students' League has a strong impact, covering the whole spectrum of social, political, cultural, recreational and educational student activities.

The League co-operate with the Career Advisory Centre in the University in order to organize job fairs for students and graduates.



UNIVERSITY LIBRARY

- Over 300,000 titles, journals, publications and university books, textbooks, handbooks



ALMA MATER PUBLISHING HOUSE



- founded in 1998
- 100 new titles
- 6 scientifically periodicals issued yearly



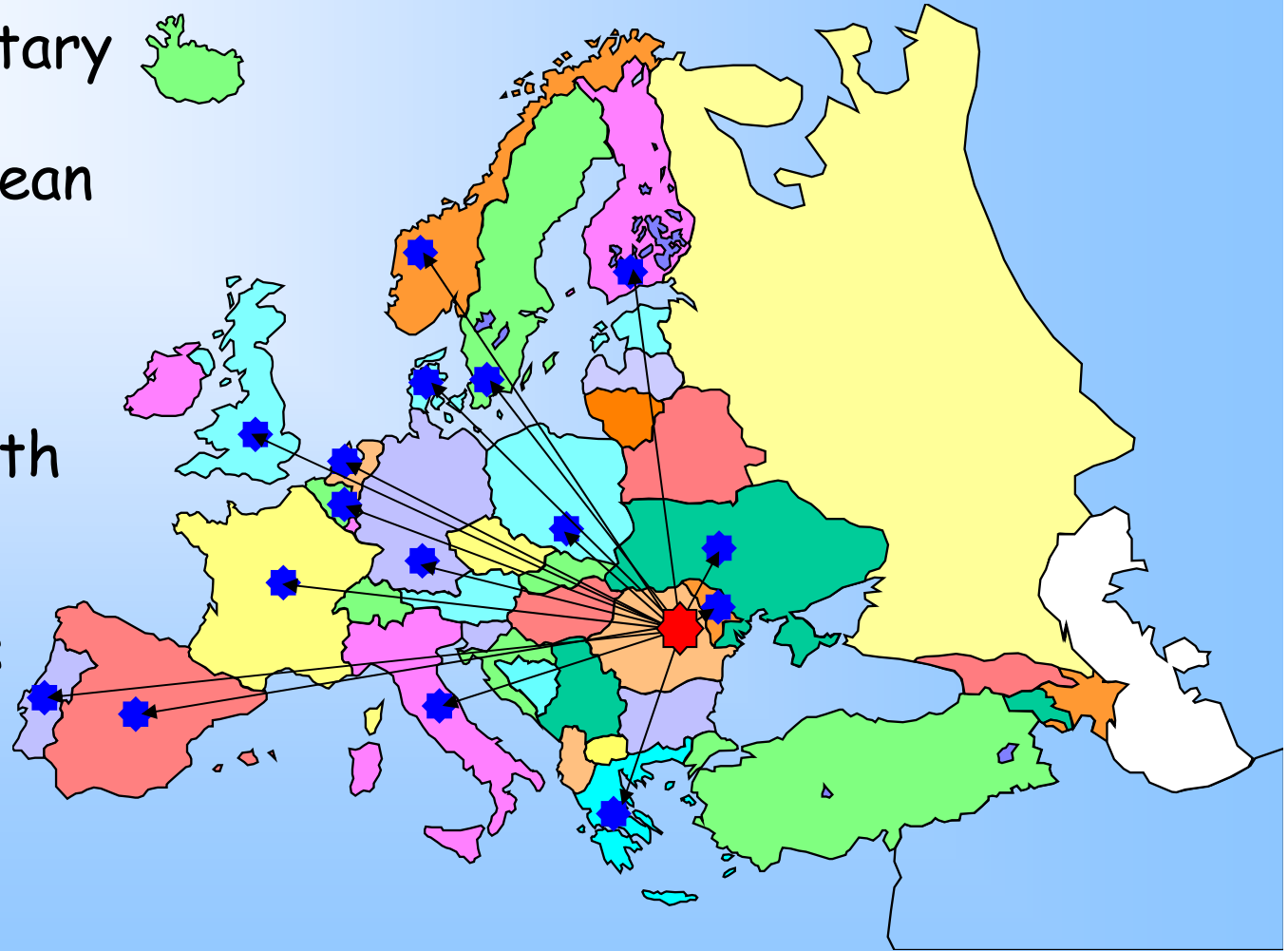
Office of International Relations and European Integration

This department was founded due to the necessity of opening a new perspective towards academic and scientific institution from all over the world, of integration in the world circuit of cultural values, of joining the European higher education network

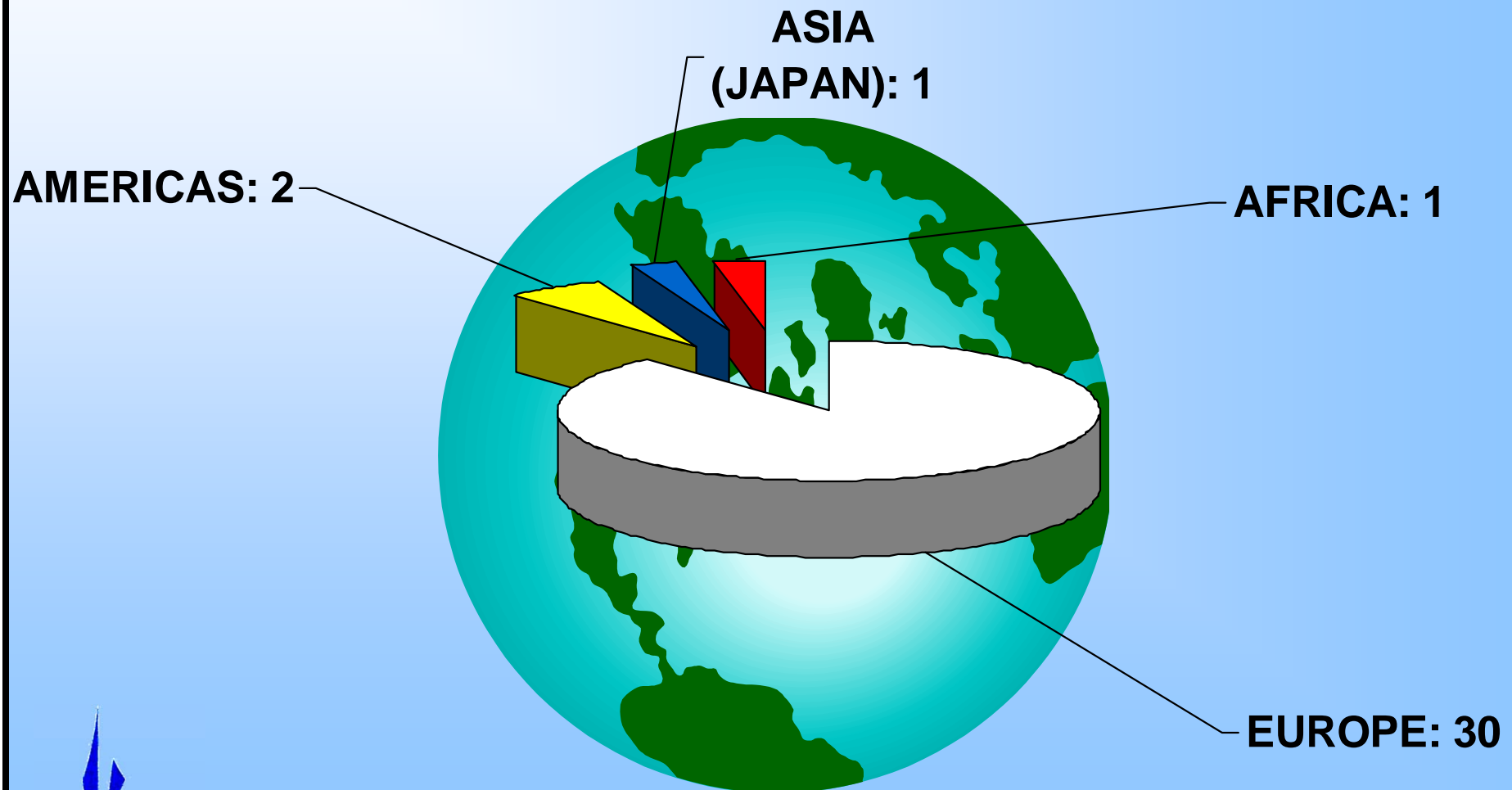


INTERNATIONAL RELATIONS

- Inter-universitary co-operation through European programs
- Over 30 cooperation agreements with teaching and research units across Europe:



INTERNATIONAL CO-OPERATION





RESEARCH

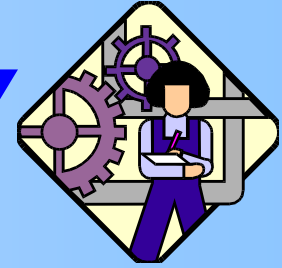
- Fundamental part of the University's mission
- Focus on competence and competition
- Cooperation with industry, with national and international companies
- 7 research centres and 3 teams of teaching and research staff
- 10 own scientific publications
- 12 annual scientific conferences and congresses on a national and international scale

SOCIAL, CULTURE AND SPORT

- services support: 3 university residences; 1 sports complex, 1 university restaurant, etc.
- The Sports Club **UNIVERSITATEA**, one of the most important clubs in Romania, that has given many national, european and world champions



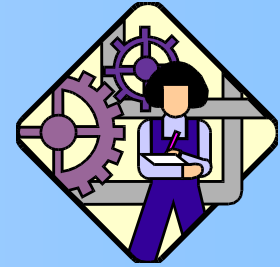
ENGINEERING FACULTY



- **1976** the first technical high education formation « Machine Building Technology » appears in Bacau.
- **1984** The Superior Teaching Institute is transformed in Engineering Institute.
- **1990** The Engineering Institute became the Engineering Faculty of the University of Bacau, also founded in 1990.



ENGINEERING FACULTY

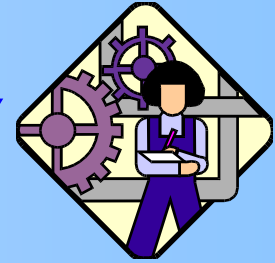


Departments on Engineering Scientific Fields:

- Department of Mechanical Engineering and Environmental Engineering;
- Department of Industrial Engineering;
- Department of Electrical Engineering and Computer Science;
- Department of Chemical and Food Supplies Engineering.



ENGINEERING FACULTY

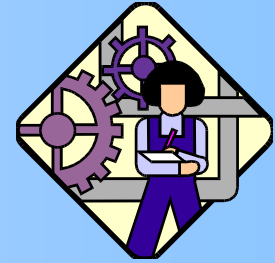


Fields of study:

- Industrial Engineering
- Engineering and Management
- Mechatronics and Robotics
- Mechanical Engineering
- Chemical Engineering
- Power Engineering
- Environment Engineering
- Computers and Information Technology



ENGINEERING FACULTY

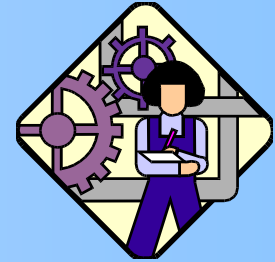


Specialization (undergraduate studies - 4 years):

- Machines Building Technology
- Quality Engineering & Management
- Industrial Design
- Process Equipment
- Industrial Environmental Engineering
- Food Engineering
- Biochemical Engineering
- Energetical Engineering
- Mechatronics
- Economical Engineering in Mechanics
- Economical Engineering in Energetics
- Information Technology



ENGINEERING FACULTY

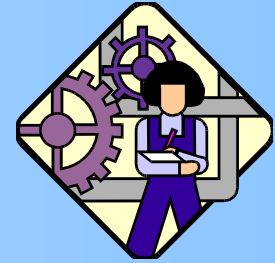


Postgraduate (Master) studies:

- Industrial Production Management;
- Business Management in the Machine Building Industry
- Optimization of the Manufacturing Processes and Equipment in Industrial Products
- Optimization of Process Equipment in the Food Industry
- Chemistry and Engineering of Processing and Valorising Natural Products
- Mechanical System Analysis Using the Finite Element Method
- Modern Technologies and Equipment in the Power Industry
- Information Technologies and Management of Power Processes
- Modern Methods in Applied Physics



ENGINEERING FACULTY

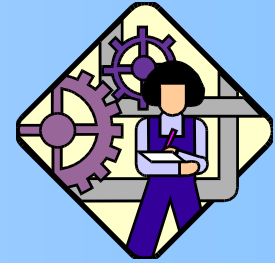


FACILITIES FOR STUDY & RESEARCH

- 37 didactical laboratories
- 5 research laboratories
- a virtual enterprise
- a complex of production halls for students' practical training
- A library with over 150,000 titles (scientific books, journals, reviews)

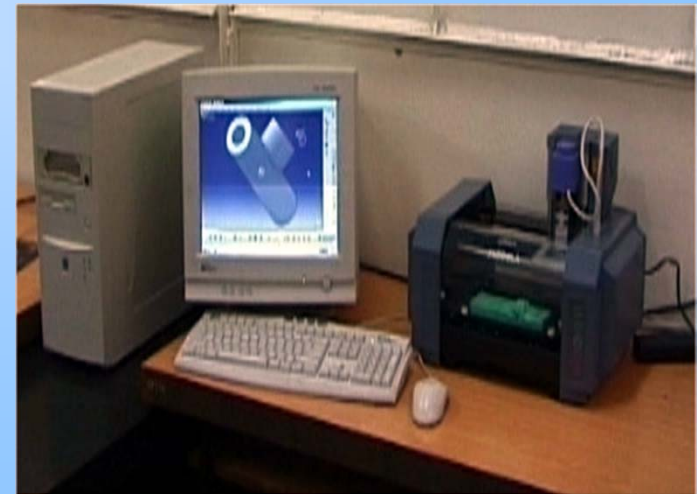


ENGINEERING FACULTY

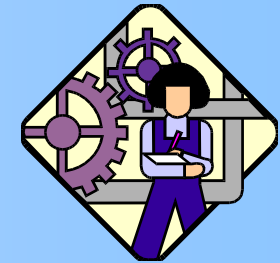


RESEARCH

- 4 Research Centres:
 - Managerial & Technological Engineering
 - Mechanical Engineering
 - Energetics, Mechatronics and Computers Science
 - Chemistry & Engineering of Natural and Synthetic Products and Environmental Protection
- cooperation with the national and european industry
- 4 conferences and scientific symposiums (at national and international level) organized yearly



ENGINEERING FACULTY

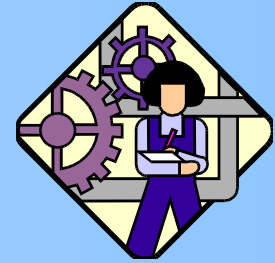


INTERNATIONAL COOPERATION

- 10 academic cooperation agreements with foreign universities
- 3 international research programmes with universities in France, Poland and Portugal
- 14 bilateral agreements with european universities within the SOCRATES programme
- over 71 mobilities of students and teachers within TEMPUS, SOCRATES-ERASMUS and LEONARDO DA VINCI programmes



ENGINEERING FACULTY



INTERNATIONAL COOPERATION

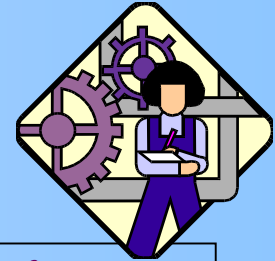
Partner Institution

Germany:

- Stralsund University
- Jena University
- Dortmund University
- Osnabruck University



ENGINEERING FACULTY



INTERNATIONAL COOPERATION

Partner Institution

Spain:

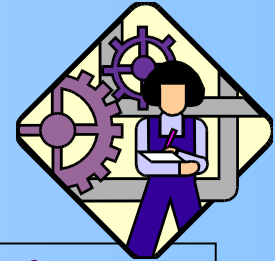
- Zaragoza University
- Huesca University
- Valladolid University
- Albacete University

Italy:

- Genova University
- Parma University
- Ancona University
- Ferrara University



ENGINEERING FACULTY



INTERNATIONAL COOPERATION

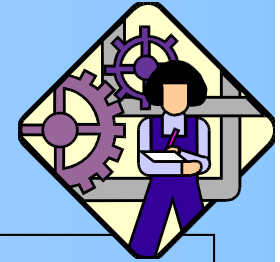
Partner Institution

France:

Savoie University, Belfort University, INSA Lyon, ESIA Annecy, COA Orléans, ENSC Clermont, Ferrand, Caen University, IUP Agroalimentaire Caen, Limoges University, Littoral Dunkerque ENI Metz, University, Metz University, Poitier University, Grenoble University, ENSC Lille



ENGINEERING FACULTY



INTERNATIONAL COOPERATION

Partner Institution

Portugal:

- Lisabona University, University of Porto

Denmark:

- Aarhus University

Finland:

- Tampere University

Norway:

- Trondheim University

Belgium:

- Bruxelles University



**THANK YOU
FOR YOUR
ATTENTION**

