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EARTH MEANS LIFE AND ENERGY FOR ALL OF US!

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INTRODUCTION

- The blue planet if rationally exploited has enough resources for all of us, for a normal life, in accordance with the positive plan of the divinity's creation, only if our actions are mature, responsible and above all moral. A right harmonization with nature means a relationship right and beneficial with the Creator.
- This is the main Mission of Bioterra University of Bucharest, a public, private Higher Education Institute, orientated towards Life Sciences, environmental and biodiversity conservation, willing to educate the young generations in the sense of care and responsibility for Nature, in a practical-active way.
- The paper presents the accomplishment of Bioterra University of Bucharest educational Mission, a public, private Higher Education Institute, orientated towards Life Sciences, achieved through the pioneering of its specializations, which are in line with the dynamics of environmental evolution, climate change in the context of sustainable development, respectively: *Consumer and environmental protection, Engineering and Management in Public Food and Agritourism, Control and Expertise of Foods*.
- The target of Bioterra University of Bucharest, environmental and biodiversity conservation, is to educate the young generations in the sense of care and responsibility for Nature, in a practical-active way. Within the specializations introduced for the first time in Romania in the tuition offer of Bioterra University, modern equipped laboratories were set up, such as: *“Renewable energy”, “Environmental protection”, “Analysis of food products”*, where students do research on specific topics within the projects obtained through European grants.

RESULTS AND DISCUSSION

- ❑ The very name of BIOTERRA (*Bios-Life and TERRA-Earth*) confirms the educational message assumed by the University, achieved through the pioneering of its specializations, which are in line with the dynamics of environmental evolution, climate change in the context of sustainable development, respectively: *Consumer and environmental protection, Engineering and Management in Public Food and Agritourism, Control and Expertise of Foods*.
- ❑ Two educational trips were made to China for the direct purchase of equipment for the production of renewable energies: wind turbines, photovoltaic panel kits, heat pumps, meteorological stations for remote monitoring of the main environmental factors, analysis kits for determining the quality water and soil.
- ❑ The documentation provided by our specialists was approved by the Ministry of Education (according to the *Nomenclature of fields and specializations/university study programs*), in agreement with the Ministry of Labor - COR (Classification of Occupations in Romania).
- ❑ Within the specializations of the university, modern specialized laboratories were established: «Renewable energy», «Environmental protection», «Ecology», «Analysis of food products», all properly equipped, according to current standards.
- ❑ Two educational trips were made to China for the direct purchase of equipment for the production of renewable energies: wind turbines, photovoltaic panel kits, heat pumps, meteorological stations for remote monitoring of the main environmental factors, analysis kits for determining the quality water and soil.
- ❑ Bioterra University of Bucharest is prosumer through investments in green energy equipment. The prosumer is the one that not only consumes energy from the electrical grid, but also produces energy from renewable sources. The renewable energy surplus achieved by it is injected into the national electricity grid, applying the quantitative compensation mechanism.
- ❑ Projects for research, awareness and promotion of the ECO concept have been implemented from European funds and own financial resources (greening actions, symposia, seminars, editing of documentary materials), with concrete greening actions both on the university campus and in its practice centers and branches, in city parks and polluted areas in the country.
- ❑ The educational message of the University is translated by the quick and correct transition from school to the workplace, the final product being specialists trained and integrated in environmental protection, in the management, administration and solving of environmental engineering problems.

CONCLUSIONS

- ✓ Within the specializations introduced for the first time in Romania in the tuition offer of Bioterra University in Bucharest, modern specialized laboratories were established, such as: *“Renewable energy”, “Environmental protection”, “Analysis of food products”*, where students do research on specific topics including within the projects obtained through European grants.
- ✓ The discussion regarding the world's population and the planet's resources, whether there is a limit regarding the optimal provision of food and energy resources, is topical. Our opinion is based on morality, all scientific discoveries must be put to the service of man, for a positive and rational exploitation. Unfortunately, many times technological innovations have been used for destructive purposes to man and even the planet.
- ✓ *All are permitted to me, but not all are useful to me*(I Corinthians, 6,12 - St. Ap. Paul) is a solid landmark on which we can build our philosophy of life in order to be in harmony with the creation of divinity. The heavenly manna from the Sinai Wilderness can translate today into a generous spiritual resource, provided that the relationship between Creator and creature is correct, based on ethical principles. Man lives under the sign of the Edenic fall when nature no longer listens to him as before, and the relationship between God and man is altered, the grace communion having to be restored.



Wind turbine and fotovoltaic panels in Bioterra University Head Quarter



Green Energy Laboratory



Greening actions with students



Wind turbine park in Bioterra University Campus