

RESEARCH STRATEGY

BIOTERRA UNIVERSITY BUCHAREST

- VISION AND PRINCIPLES –

I. Motivation

Given the particular dynamics of Bioterra University Bucharest (BUB) over the past four years and the dynamics of science at national and international level, it is important to restructure and complete the Research Strategy in BUB adopted at the BUB Senate Session on 23 October 2007 to ensure performing research in BUB, anchored in current national and international trends. In 2007, a National Research Strategy was adopted at national level and the research benefited from considerable financial resources. In this conjuncture, the BUB through the mission and specificity of the study programs (Engineering and Management in Public Food and Agro-tourism, Control and Expertise of Food Products, Food Products Engineering, Law) has amplified its own research activity in these fields.

The research strategy of the BUB must remain anchored in the national strategy and current financial context.

II. Introduction

Bioterra University's scientific research activity covers two fundamental components: (1) Fundamental and applied research, and (2) Development (the generation of innovative prototype products and services through research).

Scientific research aims to produce the knowledge needed to solve some theoretical and / or practical problems. The fact that scientific research aims to produce knowledge in order to solve problems does not mean that the production of knowledge is done only through research. Sometimes knowledge can be discovered by chance, but in this case they must then be organized through research into an appropriate system.

In scientific research, a distinction is made between fundamental research, applied research and research for development and innovation. Thus, if knowledge refers to rules and principles (declarative knowledge: what do I know?), we are talking about the resulting knowledge of fundamental research expressed in publications. If the knowledge relates to procedures or the application of the

knowledge of fundamental research to specific contexts (procedural knowledge, what can they do?), Then we are talking about applied scientific research, the result of which appears in the publications. If knowledge is sufficiently formalised to express itself in technologies and services, we are talking about research and development, the result of which is expressed in publications and / or patents and prototypes. Transforming the knowledge of publications, patents and prototypes into economically and socially assimilated technologies and services is not only the responsibility of scientific research but is related to the socio-economic sphere, being innovation through the transfer and dissemination of knowledge, a process in which scientific research and researchers are only one component alongside the socio-economic environment (eg industry, users, policy makers, etc.).

III. Strategic Goals

In the scientific research activity at BUB we have three strategic goals:

(1) To provide for Bioterra University a competitive advantage at national level in a wide range of fields (tourism economy, food, agriculture, ecology, consumer protection, legal, etc.).

(2) Provide the necessary context for the scientific research activity of the BUB to base, based on the model of the research-oriented universities, all other core academic activities: didactic and community-based services.

(3) Transform BUB into a platform to attract prestigious researchers, Romanian or foreign, from the country or abroad.

In order to achieve these strategic goals we have developed a series of objectives and strategies to achieve / achieve these goals. Let's examine them further.

IV. Objectives and Strategies

In order to achieve / achieve the strategic goals, we formulate the following objectives:

Objective 1: To increase the quality of research in BUB by setting performance indicators in research, consistent with the set of good international standards. Increased in close relation with the quality and number of scientific papers, participation in scientific events in the country and abroad.

Specific strategies:

1. Focusing on research and academic evaluation on research output defined as:

A) ISI (Web of Science) publications. They refer to indexed publications in: (a) Science Citation Index; (b) Social Science Citation Index; and (c) Art & Humanities. In the field of humanities, the publications established by the

European Science Foundation (ESF) are also representative of these areas (types A and B). In the BUB, ISI and / or ESF-indexed publications (categories A and B) Are considered to be mandatory performance standards for higher didactic and research degrees (Prof./CS I; assoc. prof / CS II). National publications (articles and / or books), non-ISI international publications and non-indexed ESF publications, conferences and / or conference publications, etc. can be considered as minimum performance standards for teaching and research grades of small and medium (assistant / lecturer, assist. Prof. / CS III). In the areas where this is relevant, the following will also be considered (a) the number of citations of ISI papers; and (b) books published in prestigious international publishers as superior indicators of scientific performance.

B) Patents, innovative products and services implemented in the socio-economic environment that rely on patents and / or ORDA registrations.

2. Increasing the share of the scientific output defined above in:

A) Academic promotion (obligatory for a PhD supervisor, professor, lecturer);

B) The remuneration of BUB academic staff.

Objective2: Establishing strategic research areas, including inter-transdisciplinary. The consolidation of the priority areas already adopted by the BUB Senate is envisaged, with some nuances: the development of tourism and agro-tourism; food quality control and consumer protection, sustainable development: natural resources, economic, social and environmental development, environmental protection.

Specific strategies:

1. Use scientometric analyzes to identify areas of excellence of BUB academic staff. These areas of excellence must be in line with European and international trends but, where possible, areas that can ensure the long-term BUB competitiveness, even if they are not international priorities at this time, can be established.

Objective 3: Attract leading national and international scientists, increasing the number of research and development staff.

Specific strategies:

1. Development of the State of R & D staff of the BUB in accordance with the legislation in force and the set of international best practices at prestigious universities abroad;

2. The indefinite engagement of R & D personnel in Strategic Research Areas in the BUB with a minimum wage, which must be complemented by revenues from

national and international grants mobilized by the employee; this does not mean that researchers can not only be employed on a temporary basis.

3.Preparation of experts / managers in research;

4.Elaboration of the Code of Ethics and Deontology in the CD activity.

Objective 4: Establishment of the BUB Multidisciplinary Research Institute.

Specific strategies:

1. The level and matrix organization of the structural components with a role in the scientific research of Bioterra University Bucharest. Through organization level we understand the organization in: (1) research laboratories; (2) research centers (which must include one or more laboratories); and (3) a research institute (which will include all research centers in the faculties of the BUB). By matrix organization we understand the establishment of a structure that interdisciplinarily encompasses the resources of the 4 Faculties of BUB;

2.The national accreditation of BUB;

Objective 5: Ensure a world-class research infrastructure that allows for high-level research.

Specific strategies:

1.Making unlimited online access to the relevant literature;

2.Elaboration of projects for endowment of BUB research centers (e.g. laboratories).

V. Conclusions

The rigorous implementation of this strategic plan can ensure the transformation of BUB into a university centered on scientific research and education, with cutting-edge educational and research services, launching innovative services and innovative scientific and cultural products in the community and society.

Approved by the Senate of the Bioterra University of Bucharest on 14.12.2016.

Rector,

Prof. PhD. Floarea Nicolae