



# ECUADOR-OPPORTUNITIES FOR COOPERATION IN HIGHER EDUCATION, SCIENCE AND TECHNOLOGY



**Presentation Ambassador Jaime Barberis  
Hungarian Rector's Conference, Budapest, June 18, 2014.**

# ECUADOR'S COMMITMENT WITH THE PROMOTION OF HUMAN TALENT FOR DEVELOPMENT

- Ecuador is in the process of transforming the production matrix of its economy.
- For a sustainable development emphasis has been put in an inexhaustible source of wealth: human talent, knowledge, and innovation
- “.....countries that we do not produce knowledge, will be each day more ignorant in relative terms and more dependent on absolute terms. For these reason, higher education has been a central concern of the Government .”

(President Rafael Correa, Report to the Nation, May 24, 2014).

# STEPS TAKEN

- Reform of the National Education System
- Reform of the University System
- Reinforcement of National Scholarship Program:
  - 8,000 alumni around the world in master's and doctorate programs in the best universities in the world.
  - Largest investment in scholarships compared to the gross domestic product in Latin America.
  - Most of these fellows will become university professors.

# NEW PUBLIC UNIVERSITIES



The National University of Education (UNAE), based in Azogues, Cañar Province, for teachers and specialists that will be part of the national system of education.



•The University of the Arts (UNIARTE), headquartered in Guayaquil, to research, create, produce, disseminate and train the best talents in the country in the arts and culture.



•The Amazon Regional University (IKIAM), for the study of biodiversity and bio-knowledge generation, in the midst of the biggest and best natural laboratory of the world: the Amazon rainforest.



•The University of Technology and Experimental Research, Yachay, located in Urcuquí, Imbabura, is the first planned technological city in Latin America. The Yachay University will develop the so-called "hard sciences": nano science, information technology, life sciences, renewable energy and petrochemicals.



**PROMETEO**

Investigación Formación Desarrollo

Secretaría de  
**Educación Superior,  
Ciencia, Tecnología e Innovación**

*Proyecto*

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**PROMETEO**

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The Prometeo Project is an initiative that seeks to strengthen research, academia and knowledge transference in specialized topics with the incorporation of foreign and Ecuadorian researchers/academics (who live abroad) through a grant.

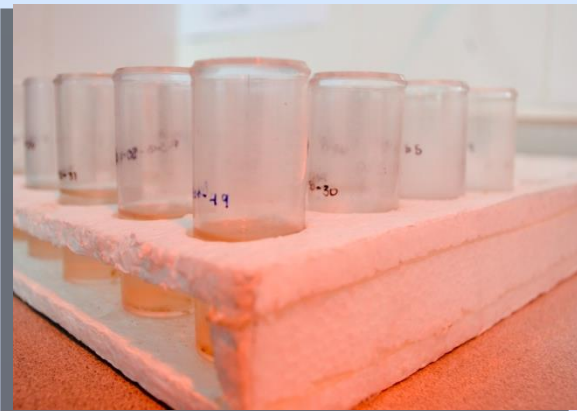
### ¿How?

Trough the incorporation of PROMETEOS from two months to one year, coming from universities, technical schools, public research institutes, and other public or co-financed institutions, to assist in the development of projects in areas of priority.

# AREAS OF RESEARCH









- Production sciences
- Basic and life sciences
- Natural resources
- Education and academic strengthening
- Art and culture





# Benefits

-  Maintenance
-  Airfare
-  Housing
-  Health and life insurance
-  Scientific visits
-  Materials







- 764 Prometeos, from 48 countries, have participated in this program, including Hungary.

More information on Prometeo Project can be obtained from the Web page:

<http://prometeo.educacionsuperior.gob.ec/que-es-prometeo/>



- IKIAM will start operating in September 2014
- Its goal is to become a prominent research institution with a comprehensive system for advance research in the fields of Life Sciences, Earth Sciences, and Social Sciences
- IKIAM will bring together biodiversity, cultural heritage, human talent and advanced research



- IKIAM requires national and international cooperation
- IKIAM seeks knowledge and technology transfer
- An international Cooperation Plan has been prepared



More information on IKIAM can be obtained from the Web  
page

<http://www.universidadikiam.com.ec>





# Yachay University of Experimental Technological Research



GOBIERNO NACIONAL DE  
LA REPUBLICA DEL ECUADOR



ecuador  
ama la vida



YACHAY  
CIUDAD DEL CONOCIMIENTO





A unique planned city in South America dedicated to technological innovation amidst an intensive synergy of business and knowledge, which combines ideas, human talent and state of the art infrastructure that will, in return, generate scientific innovation applicable on a global scale, allowing the necessary conditions for “Good Living”.





# Public Research Institutes

## National



## Private Sector

## International

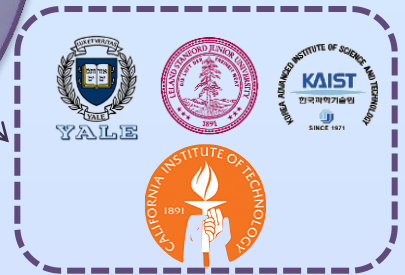


## Universities

## National



## International

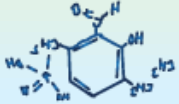


## Public Enterprises





## YACHAY'S STRATEGIC AREAS



### LIFE SCIENCES

This area will enable the development of the country's biotechnology, agricultural and pharmaceutical industries.



### INFORMATION AND COMMUNICATION TECHNOLOGIES

To strengthen Ecuador's contribution to the software development and telecommunications fields.



### NANOSCIENCES

This department will serve as an incubator for an industry that is currently non-existent in the country, with a wide range of potential applications in areas like textiles, metalworking, material science, pharmaceuticals, and others.



### ENERGY

To contribute to the efficient management of natural resources and the production of new sources of clean energy.



### PETROCHEMISTRY

This area of the University will accelerate the development of products derived from heavy and light crude oil, and will help to reduce the costs of importing light crude.



**More information on YACHAY can be  
obtained from the Web page**



**[www.yachay.gob.ec](http://www.yachay.gob.ec)**





**THANK YOU  
FOR YOUR ATENTION**