PROMETEO Project
What is the Prometeo Project?

The Prometeo Project is an initiative embedded into the plan for the creation of a knowledge-based society. Its goal is to strengthen research and knowledge transference in specialized topics.

«To contribute to the transference of knowledge for the benefit of Ecuador by providing host institutions with high-level experts specialized in teaching, innovation, research, science, and technology»

Prometeo Project’s mission
How does Prometeo work?

The Prometeo Project incorporates - Ecuadorian or foreign - high-level experts who reside abroad to host institutions for the development of research projects in Ecuador.

- Works as a grant
- Terms from 6 to 12 months (non-necessarily in consecutive periods)
- Opportunity for a second and, exceptionally, a third incorporation.
Who are the Prometeos?

They are experts who work in research or knowledge transference projects, with complementary academic activities.

Requirements

- To reside abroad
- To hold a Ph.D. degree

Evaluation criteria

- Research projects as lead researcher
- Publications at index journals, books and chapters of books
- Qualitative scientific production, calculated by the Hirsch index
- Conferences and seminars as keynote speaker
- Advisory and consultancy at specialty areas
- Patent register
- Direction of master’s and doctoral’s thesis
- Post-doctorate (optional).
Who can host a Prometeo?

- Universities and polytechnic schools (public & co-financed)
- Public research institutes
- Governmental institutions
Fields of study

- Life sciences
- Basic sciences
- Natural resources
- Production + innovation
- Educational sciences
- Art & culture
Activities in Ecuador

• To execute the **approved research project**
• To **transfer knowledge** to national research and/or academic teams
• To foster the development of **research networks** and **international cooperation**
• To support the **review and publication** of papers and books
• To **publish** the research’s results
• To organize **workshops, seminars, and lectures**
• To participate in the **evaluation** of research projects, programs, careers and assessment of Higher Education Institutions
Benefits

- Living expenses
- Airfare
- Initial accommodation
- Housing
- Health and life insurance
- Scientific visits
- Supplies
How to start the incorporation process?

Start relations with host institution:
- The signing of a Framework Agreement between the Secretariat and the host institution.
- Designation of an host institution’s official counterpart
- Creation of an institutional mail «Prometeo»

After the signature of the agreement:
- Designation of a Prometeo Project’s analyst
- Compilation of the institutional requirements
- Reception of the available profile list.
Responsibilities of the host institution

The host institution is responsible for the compliance of the obligations and commitments undertaken inside the activities established in the proposed work and the planning matrix.

To give to the Prometeo/Ateneo all facilities, equipment and resources for the fulfillment of their research project.

To collaborate by sending the evaluation criteria on time.

To endorse and sign the monthly reports prepared by Prometeos/Ateneos, according to the planning matrix (last 5 days of each month).

To notify to the Prometeo Project all the requests of supplies purchase and scientific visits required by the Prometeo/Ateneo.
How to become a Prometeo?

1. Online application & Profile evaluation
2. Determination of a host institution
3. Development of a Project proposal
4. Proposal's approval by the Prometeo Project's Executive Committee
5. Incorporation

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Results
Incorporated
To be incorporated
Activities concluded

Results

1,042 Approved projects

Source: Prometeo Project (December, 2015)
Results

Over 100 Prometeos
From 50 to 100 Prometeos
From 10 to 50 Prometeos
Under 10 Prometeos

Nationalities

51 nationalities

69 Ecuadorians
Priority fields of study for Ecuador’s development

- Basic Sciences: 45%
- Production + Innovation: 17%
- Social Sciences: 16%
- Natural Resources: 9%
- Art & Culture: 6%
- Life Sciences: 4%
- Educational Sciences: 3%
Results

108 Ecuadorian institutions

79% of projects at Higher Education Institutions
Results

305,908 Ecuadorians trained by Prometeos

Training

- Students: 55,827
- Academics: 155,113
- Citizens: 94,968
Results

16.039 Training sessions led by Prometeos
Results

1.147 Post-graduate programs advised by Prometeos

Source: Prometeo Project (November, 2015)
Chagas disease

Edwin Garzón
(Ecuador)

• Alternatives to control Chagas disease in relation to the location and the level of virulence, to determine strategies for the prevention of this disease in Ecuador. Chagas disease is caused by a parasite that lodges in insects. The parasite causes increase of the heart volume and gastrointestinal damage in the patient.

Robotic simulator

Orlando Álvarez
(Venezuela)

• Development of an educational software (simulator) used for design, testing and evaluation of robotics. This simulator uses free software tools and Java programming language to facilitate the process of teaching-learning of university students.
Results

Hand prosthesis
Brizeida Gámez
(Venezuela)

- Design and construction of a biomechanical right hand prosthetic for children over 8 years and teenagers.
- The model simulates a palm of the hand articulated to the five fingers, which operates with a voice recognition system to perform three important functions: cylindrical pressure, fine forceps and the extent of the index finger.

Galapagos preservation
Galapagos National Park

Óscar Mollá
(Spain)

- Application of growth inhibitors to control the spread of the parasitic fly (Philornis downsi). The fly attacks at least 16 of the 20 endemic bird species of the Galapagos Islands, including 10 species of Darwin’s finches.
Contact us

Phone:
(593) 2 2222 – 777 ext. 2710

Write us to:
prometeo@senescyt.gob.ec

Address:
Av. 9 de Octubre N22-64 and Ramírez Dávalos,
Casa Patrimonial. Quito-Ecuador
prometeo.educacionesuperior.gob.ec

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