



Contribution of UNAM to a Sustainable and More Equitable World

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overview of unam

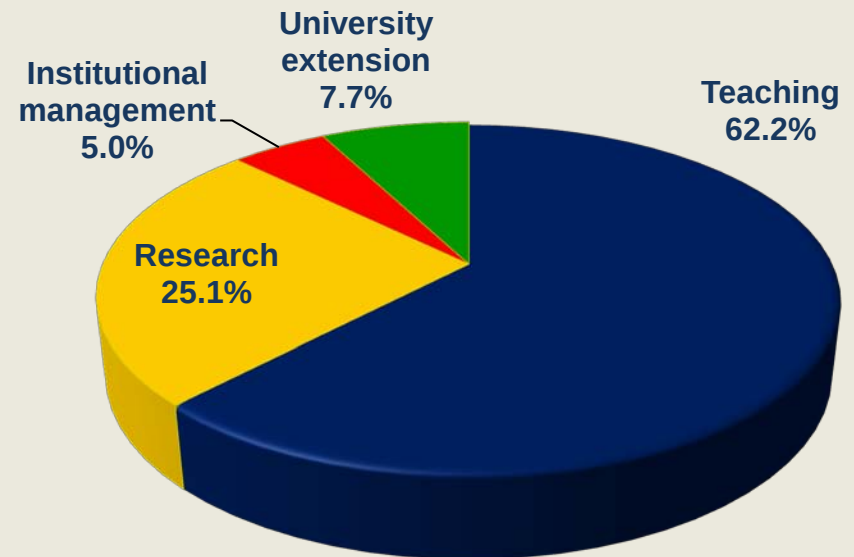
History

- Founded in 1551 as *Real y Pontificia Universidad de México*; in 1910, inaugurated as National University of Mexico; in 1929 obtained its autonomy
- Public and autonomous

Size and Infrastructure

- 25.55 hectares / 2,555,764 m² of built area
- 2,098 buildings
- 4,203 classrooms
- 2,840 laboratories
- 134 libraries with a collection of 1,341,027 titles and 6,468,651 volumes
- 66,000 computers connected within UNAM's network
- Manages Mexico's connection to Internet 2

2013 budget: US\$2.705 billion



* Data from the Statistical Agenda, UNAM, 2012



unam, a comprehensive research university

13 Faculties, 7 Multidisciplinary Units and 4 Schools

- teaching and research
- faculties have PhD programs and schools do not

30 Research Institutes:

- focused primarily on research

16 Research Centers:

- focused primarily on research

9 University Programs:

- multidisciplinary research projects on specific issues
- to train UNAM academic staff through the establishment of links between research groups and external entities



* Data from the Statistical Agenda, UNAM, 2012

faculty and research

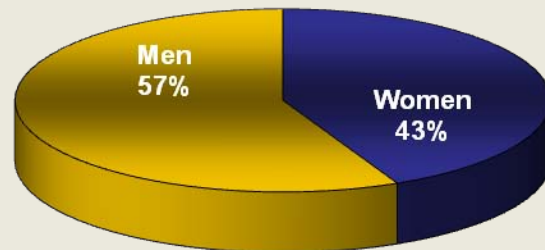
- 3,624 faculty belong to the National Research System
- generates 50% of the country's academic research
- 1 out of every 3 research publications in Mexico is written by UNAM experts
- over 8,800 research projects are developed annually, in all areas of knowledge



2012

- 4,558 researchers
- 40,442 professors

Academic appointments: 45,253



* Data from the Statistical Agenda, UNAM, 2012

unam, a comprehensive research university

Faculties & Schools Subsystem

13 Faculties of:
 Architecture
 Sciences
 Political & Social Sciences
 Accounting & Business Administration
 Law
 Economics
 Philosophy & Literature
 Engineering
 Medicine
 Veterinary Medicine & Zootechnology
 Odontology
 Psychology
 Chemistry

7 Multidisciplinary Faculties:
 Acatlán
 Aragón
 Cuautitlán
 Iztacala
 Zaragoza
 Higher studies – León
 Higher-studies-Morelia

4 National Schools of:
 Plastic Arts
 Nursing & Obstetrics
 Music
 Social Work

2 High-school subsystems



Humanities Research Subsystem

6 Centers, on:
 Latin-American Studies
 Interdisciplinary Research on Sciences & Humanities
 Multidisciplinary Research (in Cuernavaca)
 Bibliotecology Research
 Research on North America
 Foreign Language Teaching

10 Institutes, on:
 Anthropology
 Bibliography
 Economics
 Aesthetics
 Philology
 Philosophy
 History
 Law
 Sociology
 University & Education

Scientific Research Subsystem

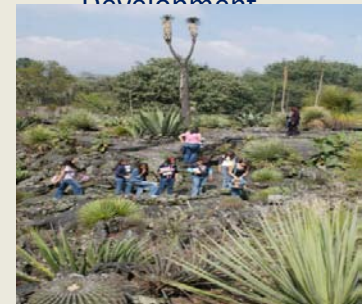
11 Centers, on:
 Applied Sciences & Technological Development
 Mathematics
 Atmospheric Sciences
 Genomic Sciences
 Nanosciences and Nanotechnology
 Applied Physics & Advanced Technology
 Geosciences
 Ecosystems
 Energy
 Environmental Geography
 Radioastronomy & Astrophysics

19 Institutes, on:
 Astronomy
 Biology
 Biotechnology
 Physical Sciences
 Marine Sciences & Limnology
 Nuclear Sciences
 Ecology
 Physics
 Cell Physiology
 Geophysics
 Geography
 Geology
 Engineering
 Biomedical Research
 Materials Science Research
 Applied Mathematics & Systems
 Mathematics
 Neurobiology
 Chemistry



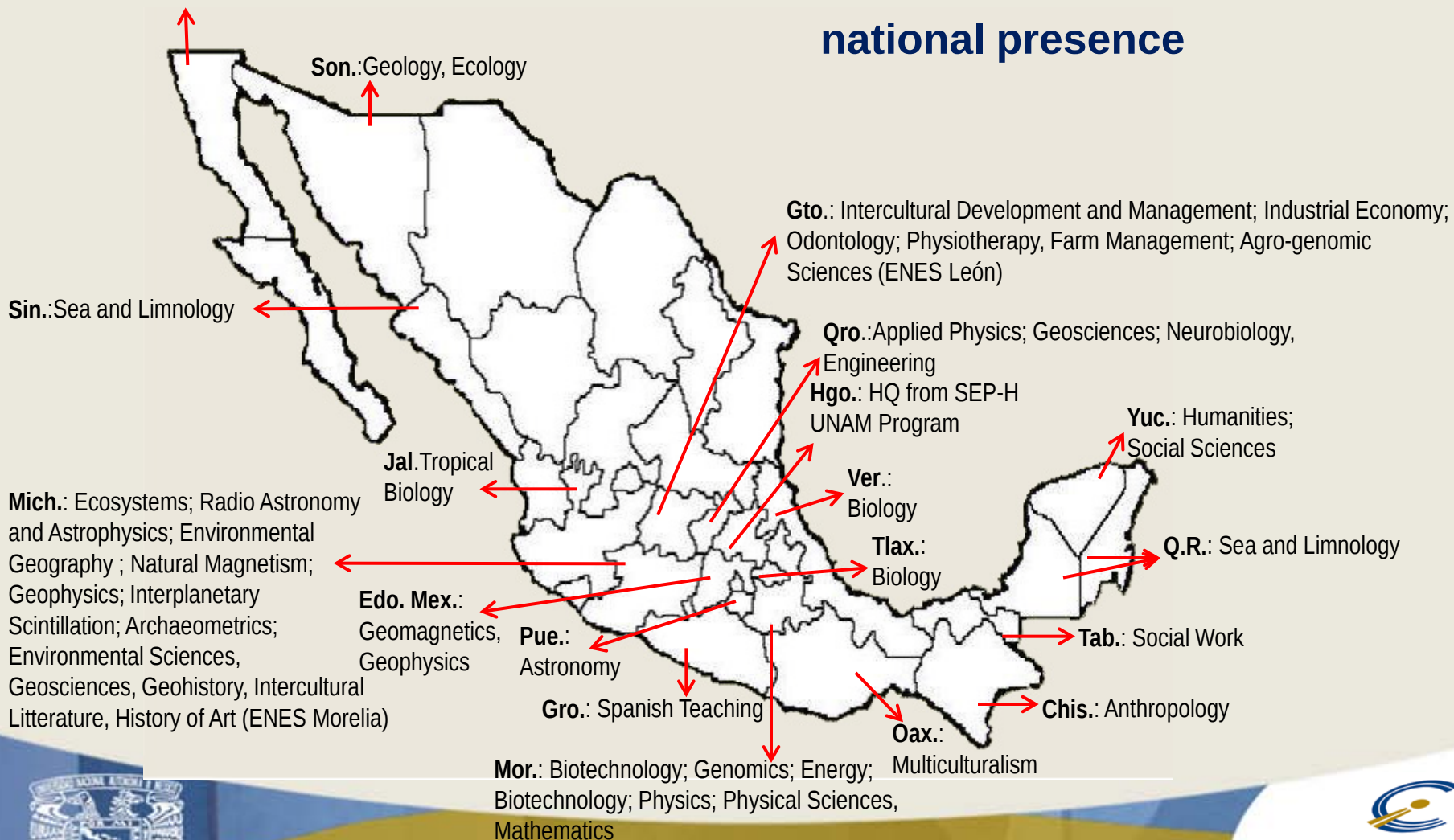
University Programs

10 Programs, on:
 Food Program
 Health Research
 Environment
 Climate Change
 Science and Engineering
 Materials
 Gender Studies
 Studies of the City
 Mexico
 Multicultural Nation
 Human Rights Development

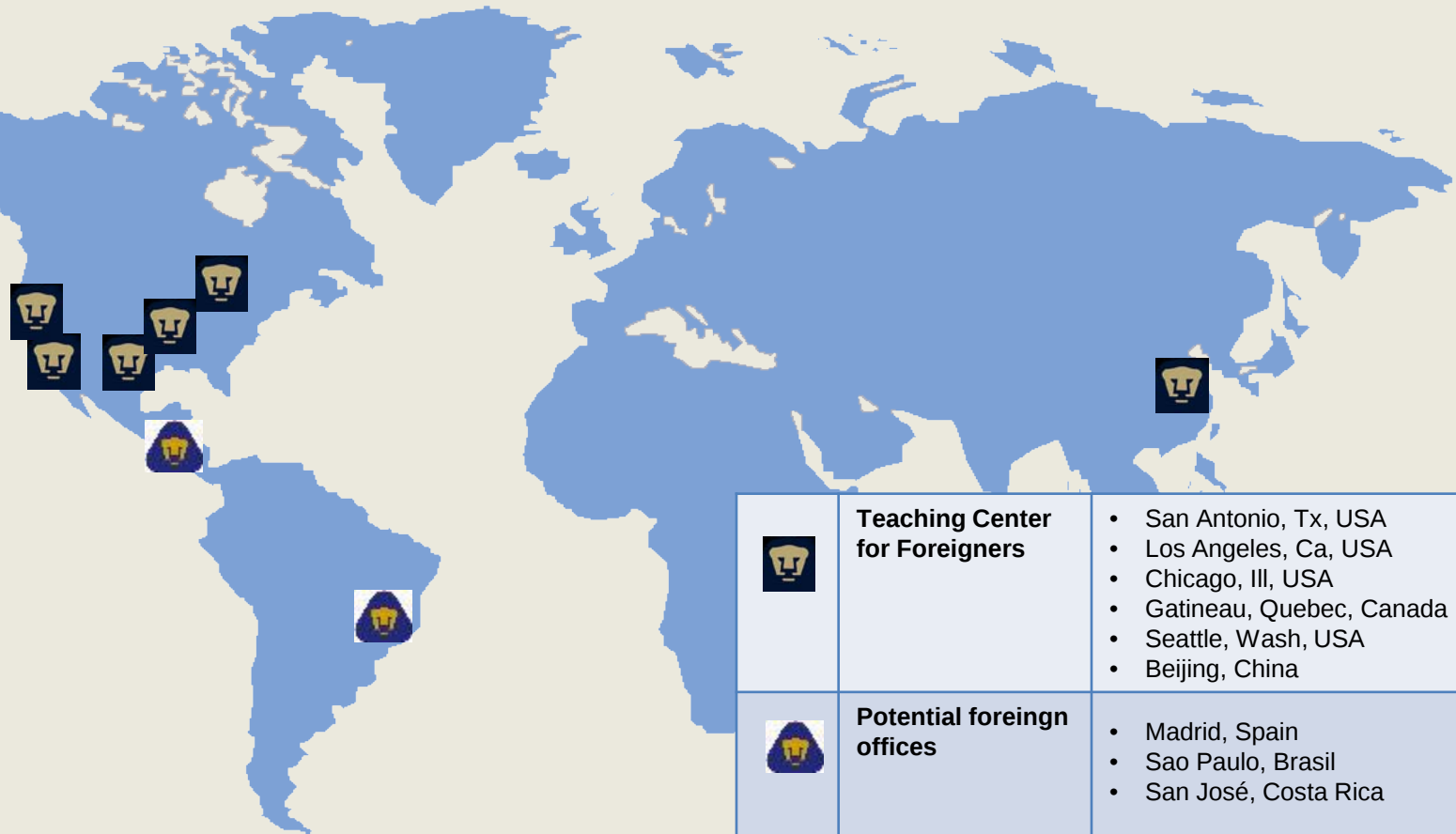


B.C.: Nanosciences; Nanotechnology; Astronomy

national presence



international presence

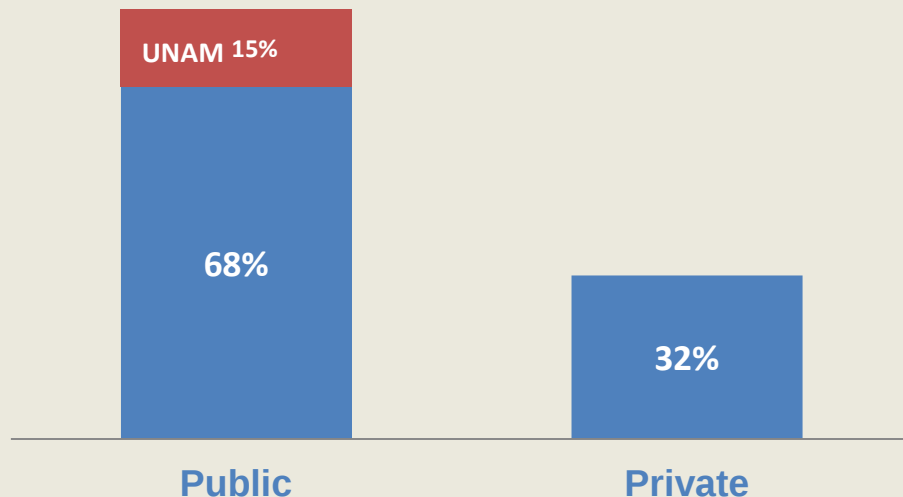


community services provided to the country:

- National Seismological Service
- National Astronomical Observatory
- National Botanical Garden
- National Library
- National Newspaper and Periodicals Library
- National Mareographic Service
- National Herbarium
- 4 ecological reserves
- Monitoring of the Popocatepetl Volcano



Higher education enrollment (2011-2012)

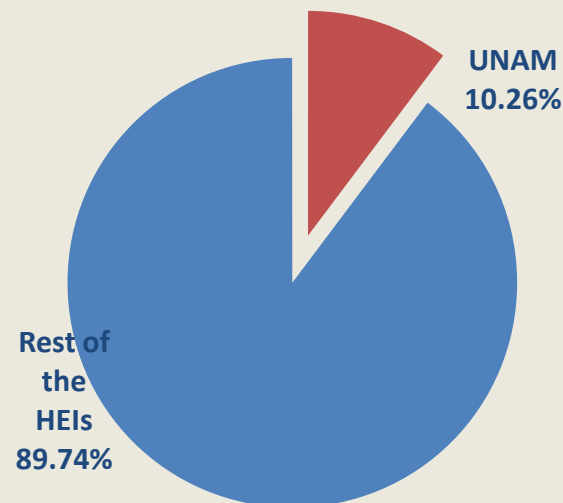


2,882 Higher Education Institutions (HEIs) in Mexico

- 1,955 Private (68%)
- 927 Public (32%)

3,161,195
Total Higher Education
Enrollment in Mexico
(2011-2012)*

UNAM's participation in national higher education enrollment

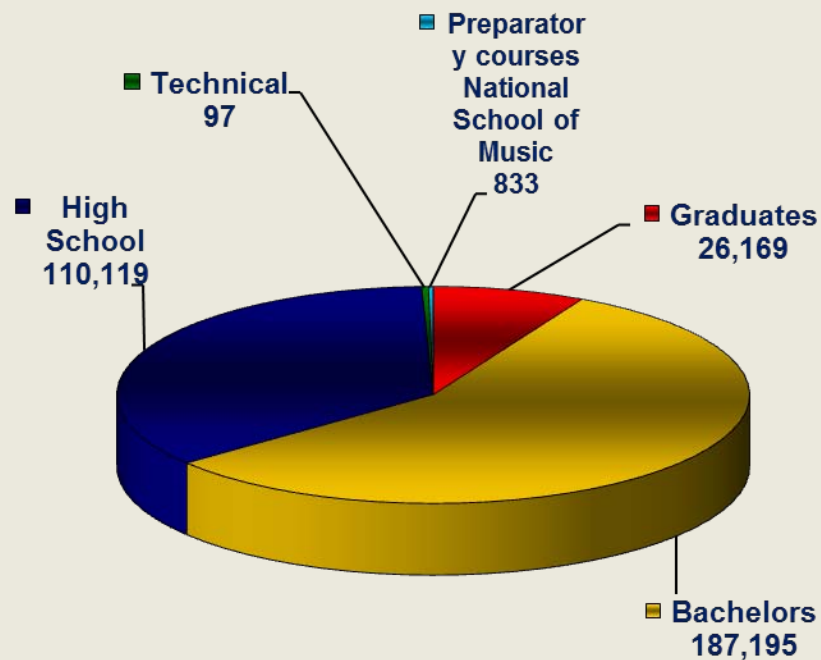


* Data from the Mexican Education Ministry (SEP by its acronym in Spanish), term 2011-2012



unam's students' profile

**324,413 students
in the academic year 2011-2012**



- 18,072 bachelor degree students graduated in 2011
- 7,482 postgraduate students graduated in 2011

* Data from the Statistical Agenda, UNAM, 2012



teaching programs



- **102** undergraduate programs
- **40** graduate programs (MSc, PhD) , **33** specialties and **139** syllabuses
- compulsory **social service learning**
- **open university system** (graduate & undergraduate)
- **distance learning program**

* Data from the Statistical Agenda, UNAM, 2012



University Cultural Center

Espacio Escultórico
(Sculptural Space)
Paseo de las Esculturas
(Sculptures Walk)
Pedregal Snakes
Julio Torri Library
Restaurants

Academic Extension

Cinematographic
Studies University
Center
Theater University



Performance of Arts

Music

Philharmonic Orchestra of
UNAM (OFUNAM)
Symphonic Orchestra of
the Palace of Mining
Philharmonic Choir of
UNAM
Nezahualcóyotl Concert
Hall
Carlos Chávez Concert Hall
Simón Bolívar
Amphitheater and
Salón Generalito in the
Antiguo Colegio de San
Ildefonso

Theater

Theater Department
Juan Ruiz de Alarcón
Theater
Sor Juana Inés de la Cruz
Forum
Santa Catarina Theater
(Coyoacán)

Dance

Department of Dance
Miguel Cobarrubias Dance
Hall

Cinematographic Activities

Office of Cinematographic Activities

Film library with more
than 41 thousand
titles
Cinematographic
Programming
Audiovisual material
production

Media

TV UNAM
Radio UNAM
Podcast "Download
Culture UNAM"
Website
www.cultura.unam.mx



Literary Activities and Publications

Literature Department

Culture Promotion and
Literary creation
«Punto de partida»
Collection: Voz Viva de
México y América Latina,
received the distinction
«Memoria del Mundo de
la UNESCO en 2005»
Four online publications:
periódico de poesía,
punto de partida, punto
en línea and material de
lectura
Certamen Caza de letras
(Letters Hunting Award)

Department of Publications and Editorial Promotion

UNAM Editorial House
Libraries system

Museums and Cultural Centers

Museo Universitario
Arte
Contemporáneo
MUCA Campus
MUCA Roma
Museo Experimental El
Eco
Museo Universitario
del Chopo
Casa del Lago Juan
José Arreola
Centro Cultural
Universitario
Tlatelolco
Museo de la
Autonomía
among others...



- 25 museums
- 18 historical buildings
- Symphonic Orchestra of the Palace of Mining & Philharmonic Orchestra of UNAM
- archives include more than 400,000 film and disc recordings (music and sound, film titles, artwork and video material in specialized collections)
- 2,633 publications in 2011 (books, journals and e-books)
- 8,200 artistic and cultural activities in 2011
- 1,947,671 people attended artistic and cultural activities in 2011
- 22 million library consultations are registered annually
- 5 million books are lent annually



* Data from the Statistical Agenda, UNAM, 2012





Examples of research initiatives

Instituto de Investigaciones Jurídicas

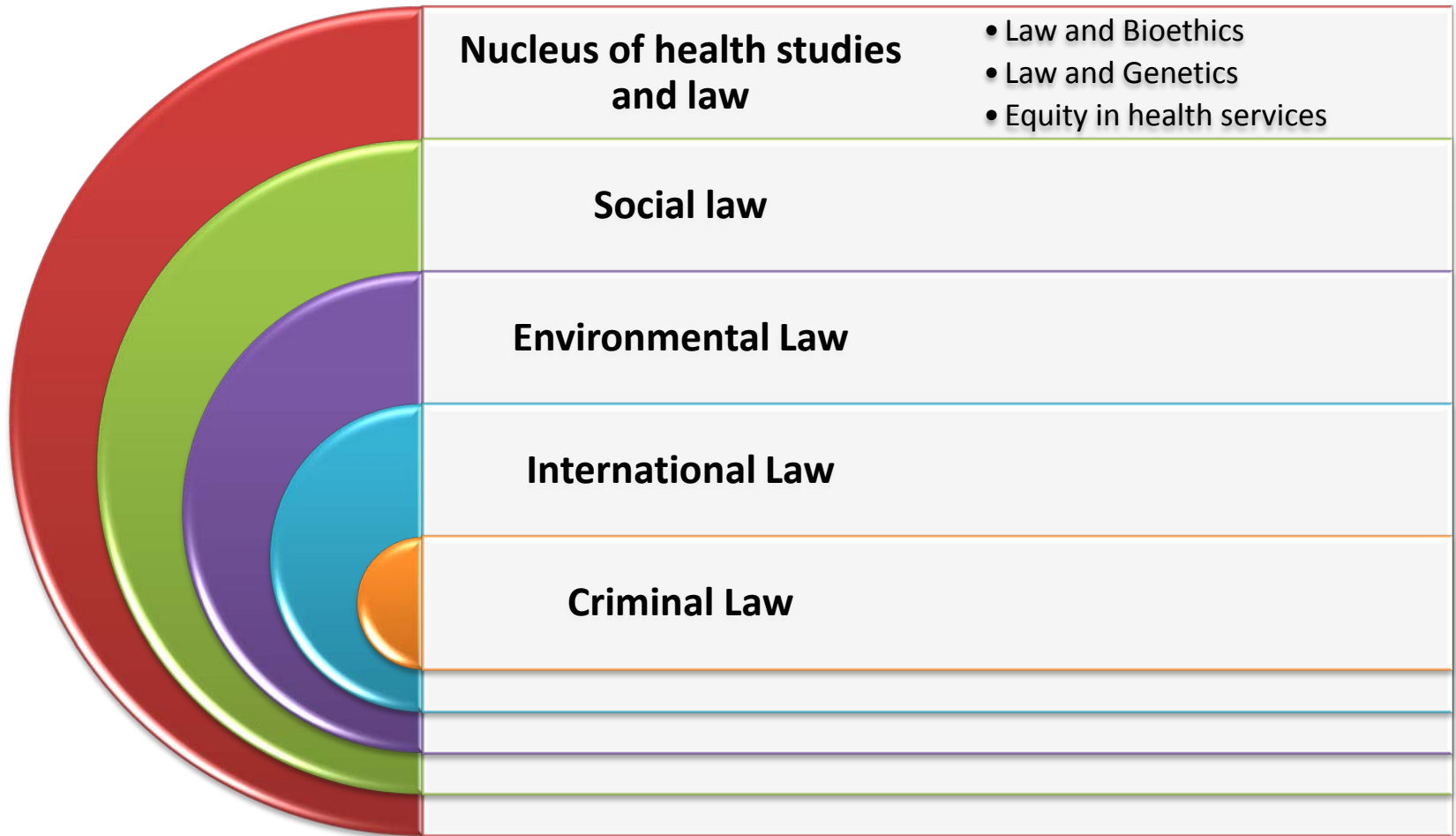
IIJ-UNAM



Legal aspects to attend national problems.

Strong academic exchange with foreign institutions.

Áreas de research



Instituto de Investigaciones Económicas

IIEc-UNAM



- The Institute produces individual books published in co-Edition with different universities in the world.
- Organizes seminars discussing current issues associated with global economic reality.
- Agreements for academic exchange with institutions of higher education.
- Develops academic programs with graduate programas on Economics and Latin American studies.

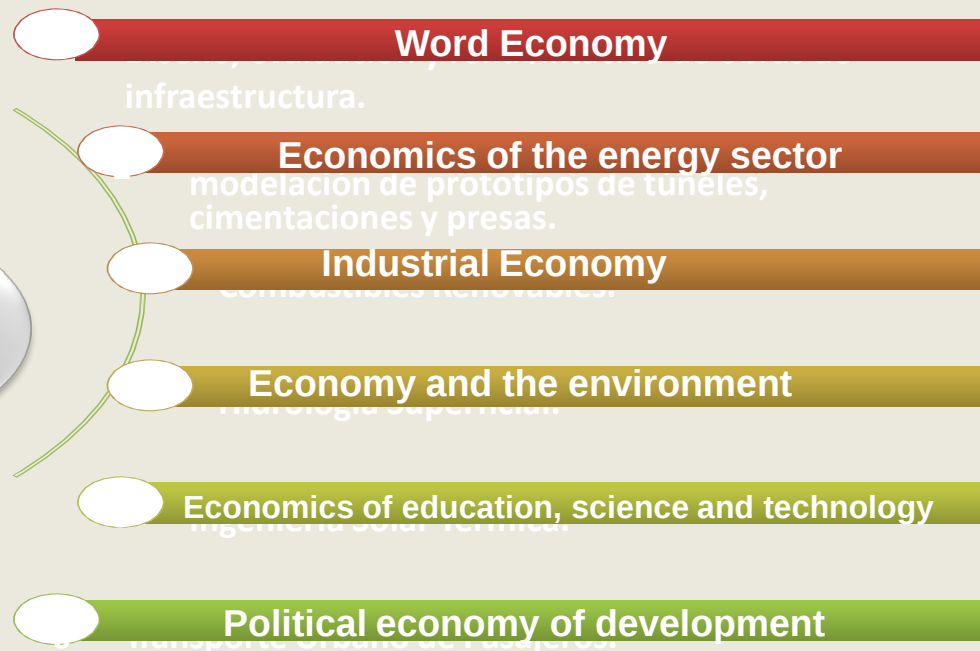


Research at the Institute

IIEc conducts 186 research projects

14 research units

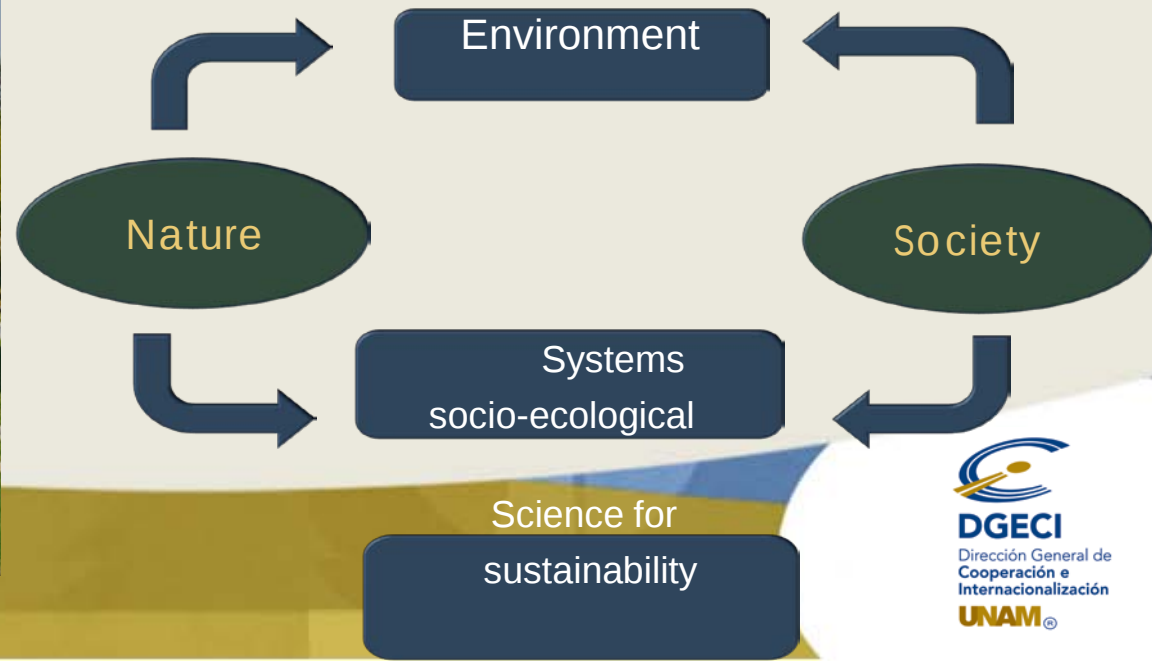
6 Areas of research





Centro de Investigaciones en Ecosistemas

Campus-Morelia



Áreas de research

Knowledge and management of biodiversity

Management of socio-economic systems

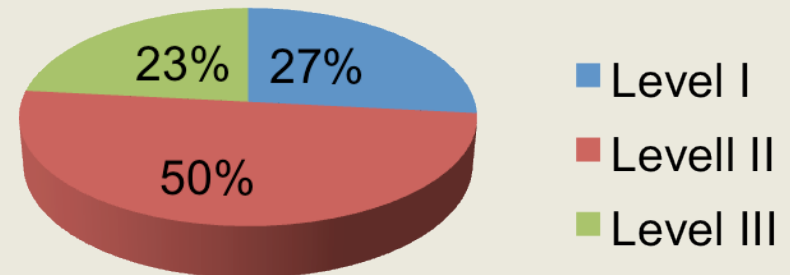
Global change

Hydrological systems, water and society

Sustainable energy and future

■ 31 researchers

% of Researchers in SNI



- **Projects of Impact at national and international level**

Human and
Biophysical
Dimensions of
Tropical Dry
Forest.

Role of
biodiversity in
climate change
mitigation

Bioenergy,
sustainability and
trade-offs: can
we avoid
deforestation
while promoting
bioenergy?

Successional
pathways and
rates of change
in tropical wet
forest of Brazil,
Costa Rica and
México



Instituto de Energía Renovables

IER- Cuernavaca

Research on novel technologies for generating, transformation and use of energy, contributing to a sustainable development of the country.



IER

19 Postdocs in 2012

International academic exchange

13 foreign researchers conduct research
at IER

3 Graduate degrees

- Engineering
- Physical sciences
- Science and engineering materials

Lines of research

