

Ecuadorian forestry research funding programs

Outreach seminar for international collaboration
“Innovative Forest-Based Bioeconomy for the Future”

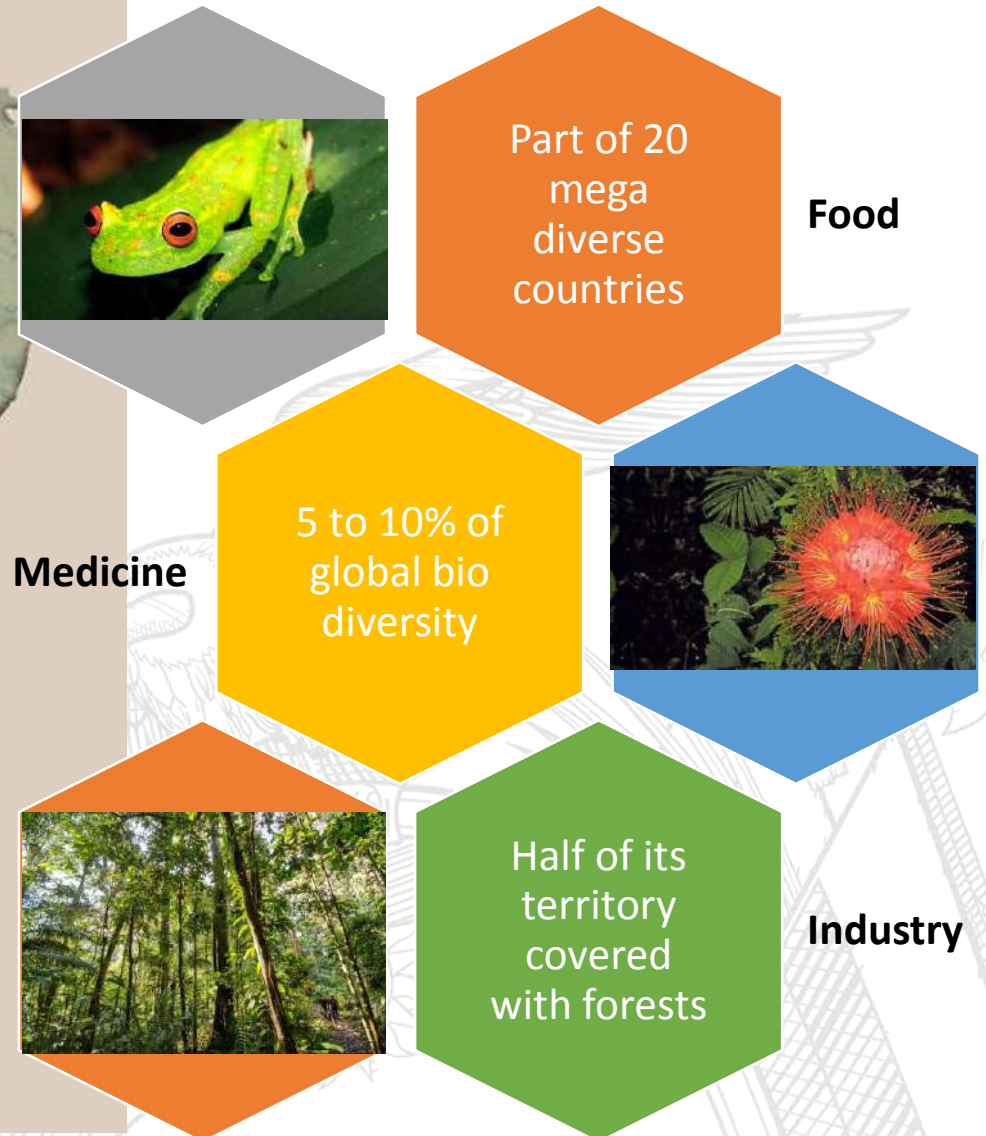
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Undersecretary of Scientific Research
Secretariat of Higher Education, Science, Technology and Innovation - SENESCYT

CONTENT

1. Potentialities and challenges of bio economy in Ecuador
2. National research in forests and funding programs
3. Ongoing international cooperation
4. Future interests for collaboration



POTENTIALITIES OF BIOECONOMY



CHALLENGES OF BIOECONOMY

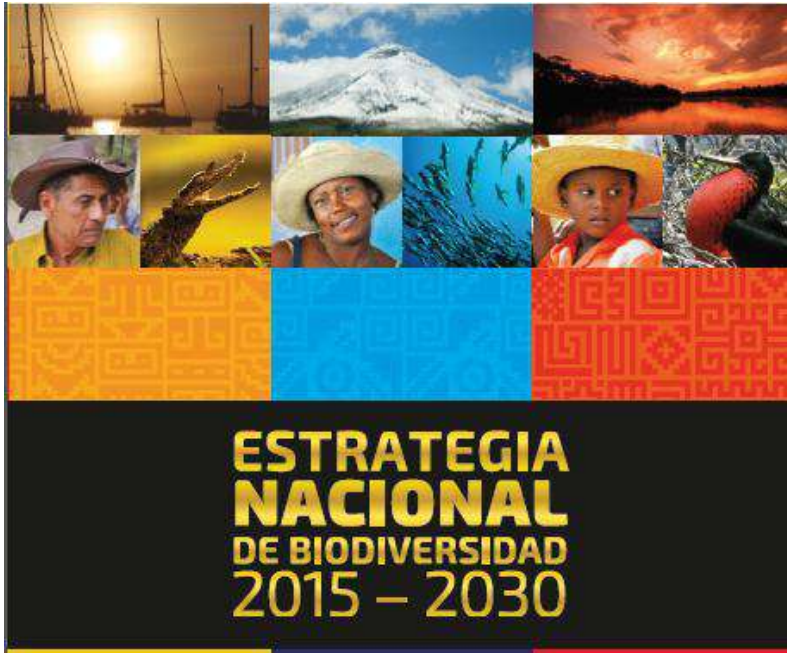
***Economic pressures:
deforestation, agriculture
and livestock, 25% poverty
rate***



***Difficult short-term economic
outcomes from innovation in
bio economy***



BIOECONOMY: NATIONAL PRIORITY



- Contribute to **change the production structure** towards overcoming the primary exports focus and generating added value to goods
- Aimed by 2040: **20% of the Industrial Gross National Product comes from bio economy**
- **Promotion of basic and applied scientific research to innovate** and diversify solutions and products for the benefit of the economic efficiency and the application of high technology in the use of bio diversity

Biomedicine



Industry



Biotech



STI LEGAL AND PROGRAMATIC FRAMEWORK



Constitution 2008
COESCCI 2016

STI as drivers of national
development



State's responsibility to promote STI
and to consolidate the STI National
System



SENESCYT

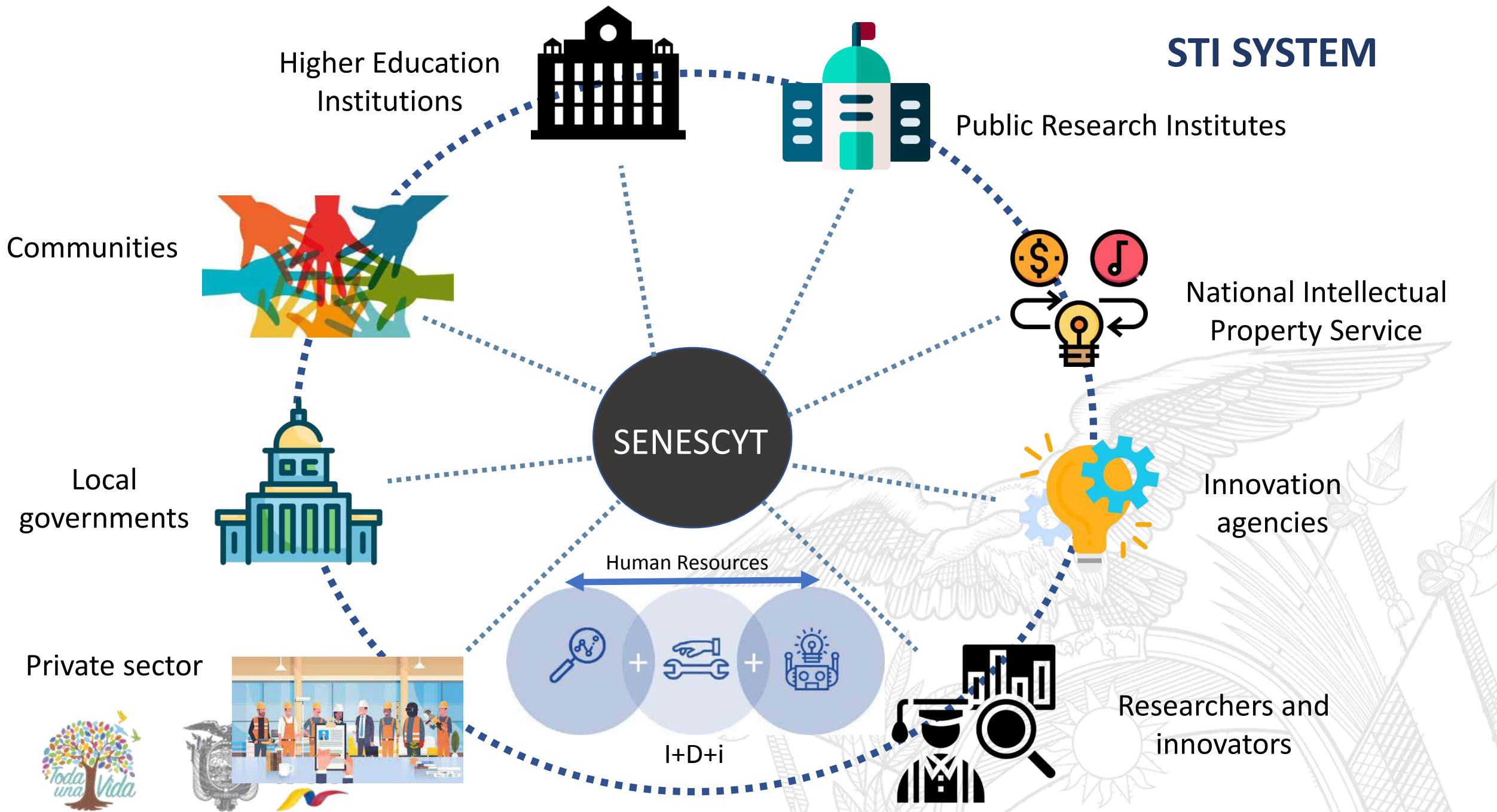
STI National System
Governing Institution

Actor's articulator

Support institution for STI
initiatives



STI SYSTEM





NATIONAL FUNDING PROGRAM

Objective: Finance research and technological development projects proposed by the STI System actors, for institutional and collaborative initiatives that contribute to the increase of productivity.

7 prioritized research areas

Health and well being

Agriculture and livestock

Environment, Climate Change and Biodiversity

Energy and materials

Industrial development

Inclusive society and territories



ICT

NO
XOS

457 proposals

276 institutions involved

18% international universities

13% from the productive sector

Bioeconomy, bio prospecting and biotechnology (28)

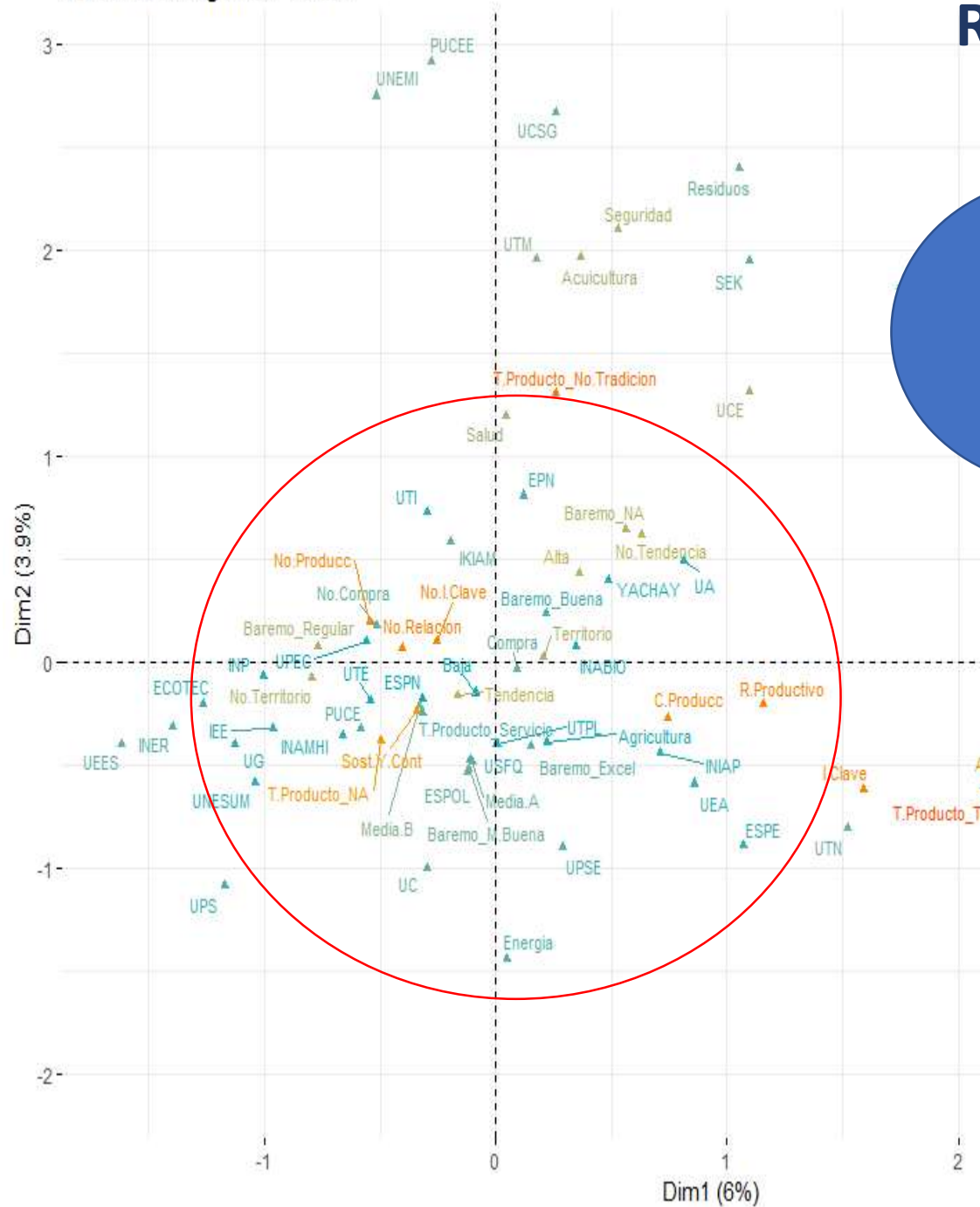
Proposals from 16 universities around the whole country and 2 Public Research Institutes (Agriculture and Biodiversity)

Available budget:
6 million dollars

53 projects selected by Scientific Committees
(\$50.000 and \$200.000)

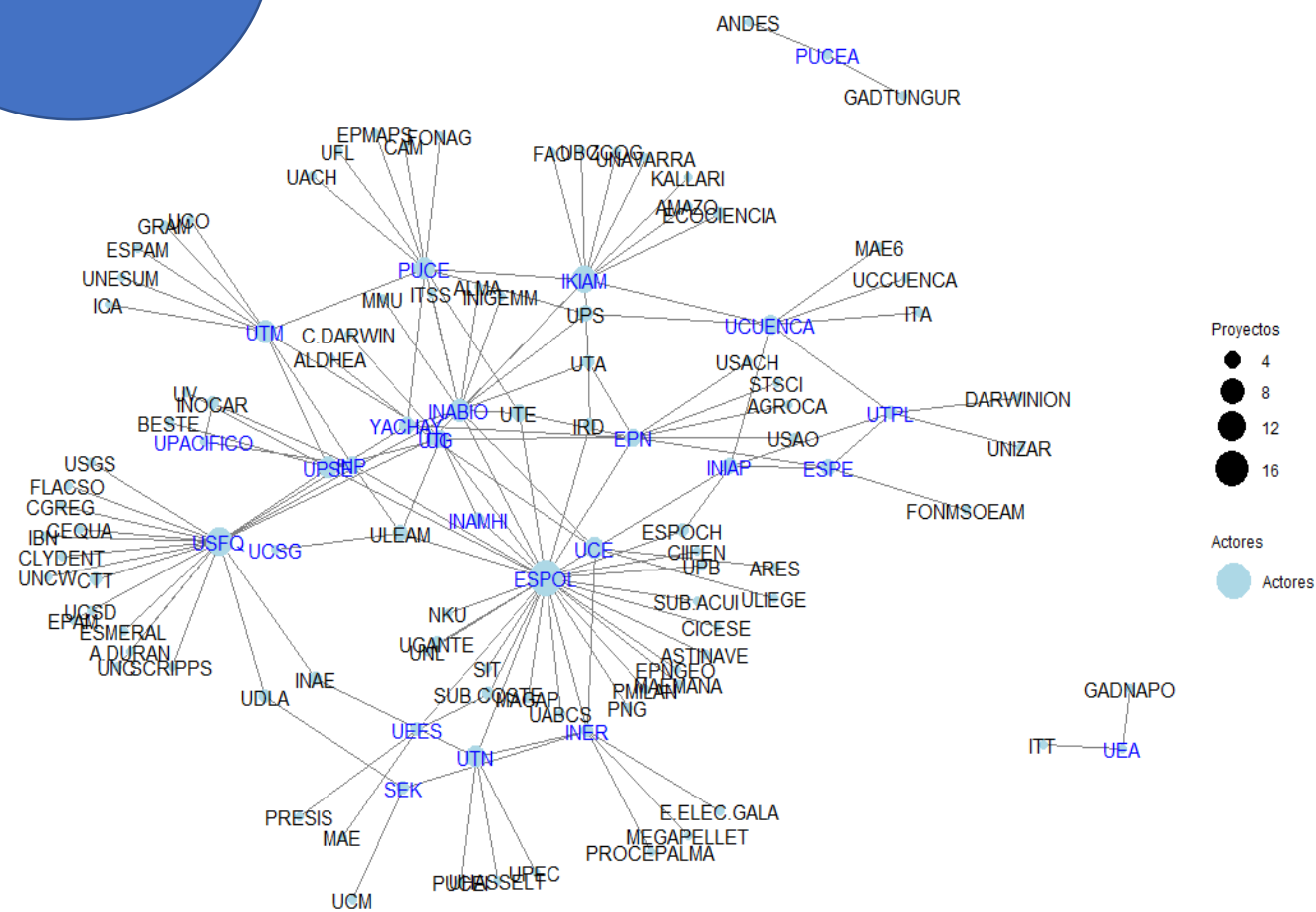


Variable categories - MCA

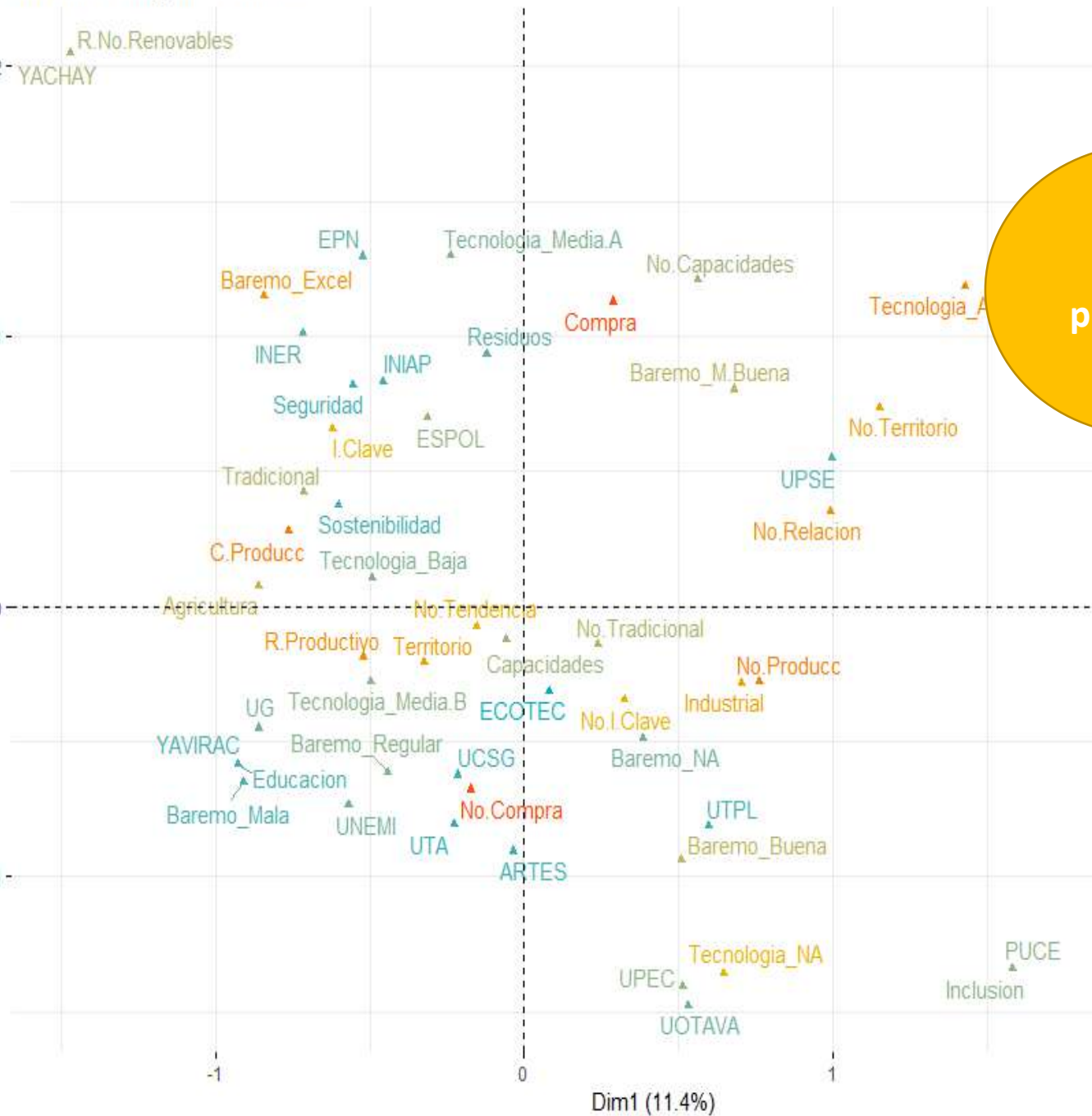


RESEARCH PROJECTS ON ENVIRONMENT, CLIMATE CHANGE AND BIODIVERSITY

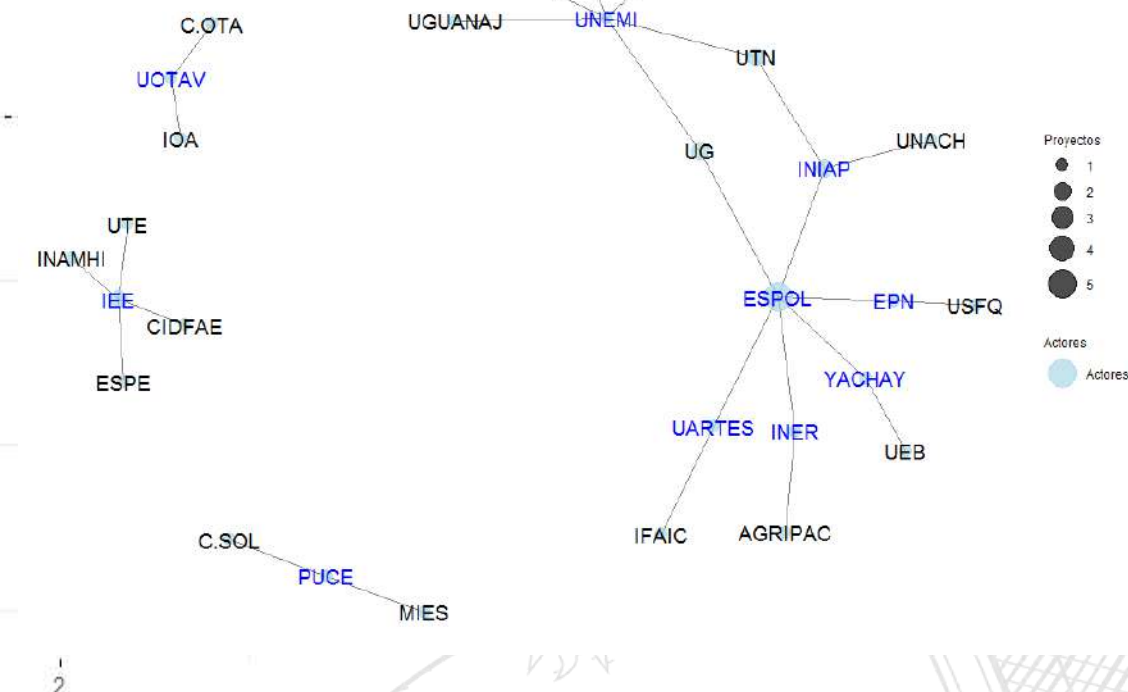
27% of proposals



RESEARCH PROJECTS ON INDUSTRIAL DEVELOPMENT



7% of proposals



ONGOING COOPERATION



International research projects:
biodiversity, energy, health, ICT



International Centre for Genetic
Engineering and Biotechnology

International participation



Regional cooperation



CoCiBio

Programa de cooperación para la investigación orientada
a la aplicación sobre la biodiversidad y cambio climático

Matchmaking Germany-Ecuador

PROYECTO GLOBAL ABS (ACCESS AND BENEFIT
SHARING, POR SUS SIGLAS EN INGLÉS)

ABS ES RECURSOS GENÉTICOS PARA EL
DESARROLLO SOSTENIBLE



Funding for biodiversity programs



INTERESTS FOR COLLABORATION

1. Information management and basic research on biological diversity
2. Research on functional diversity and responses from biodiversity to environmental changes
3. Bio prospecting activities towards the contribution to bio industry



ABS
Nagoya Protocol



EL
GOBIERNO
DE TODOS



SECRETARÍA DE EDUCACIÓN SUPERIOR,
CIENCIA, TECNOLOGÍA E INNOVACIÓN

Thank you.

