



平成26年度（第23回） ブループラネット賞
受賞者記念講演会

2014 Blue Planet Prize
Commemorative Lectures

ロドリゴ・ガメス・ロボ博士(コスタリカ生物多様性研究所代表)

講演スライド集

「生物多様性の価値についての社会認識を
いかに向上させるか：
コスタリカ生物多様性研究所の実績」

Dr. Rodrigo Gamez Lobo
(President, Instituto Nacional de Biodiversidad)

Slides for the Lecture

“How to promote awareness of the value
of biodiversity in a society:
The experience of
Costa Rica’s National Biodiversity Institute“



How to promote awareness of the value of biodiversity in a society:

The experience of Costa Rica's National Biodiversity Institute



Between continents; between oceans



Costa Rica

51.000 sq. km continental territory

510.000 sq. km. marine territory

A biodiversity rich country



Why a biodiversity institute for Costa Rica?



National Biodiversity Conservation Strategy

National System of Conservation Areas.
National Forestry Fund (PES).



Bioprospecting, Agriculture-
Agrobiodiversity, Ecotourism.

INBio was born in 1989



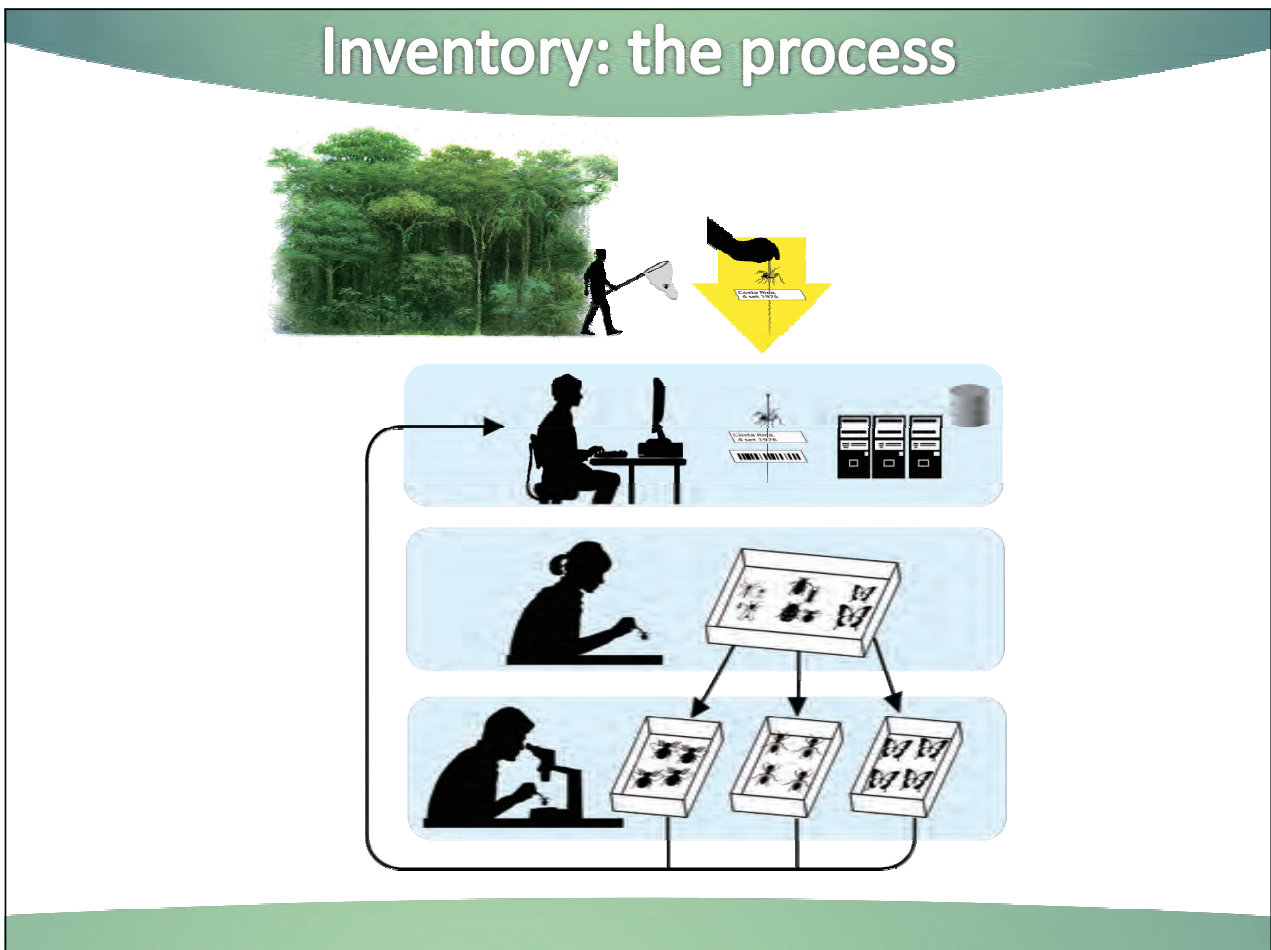
The main actors



From nature to society



Inventory: the process



Inventory: the results



- An innovative inventory methodology
- Over 3.6 million specimens collection
- 29.413 species for Costa Rica, 3.702 new to science
- 30.000 < DNA barcoded specimens
- Scientific publications
- A library of the wild biodiversity of the country

Biodiversity informatics: the process



Biodiversity informatics: the results

National and International Partners

Biodiversity Informatics

Other Sources of Information

Inventing and Monitoring

- Atta, the biodiversity information management system
- A 100% digitized barcoded systematic collection
- A Costa Rican Encyclopedia of Life
- Over 21,000 page views per day

Education/bioliteracy: the process



Education/bioliteracy: the results

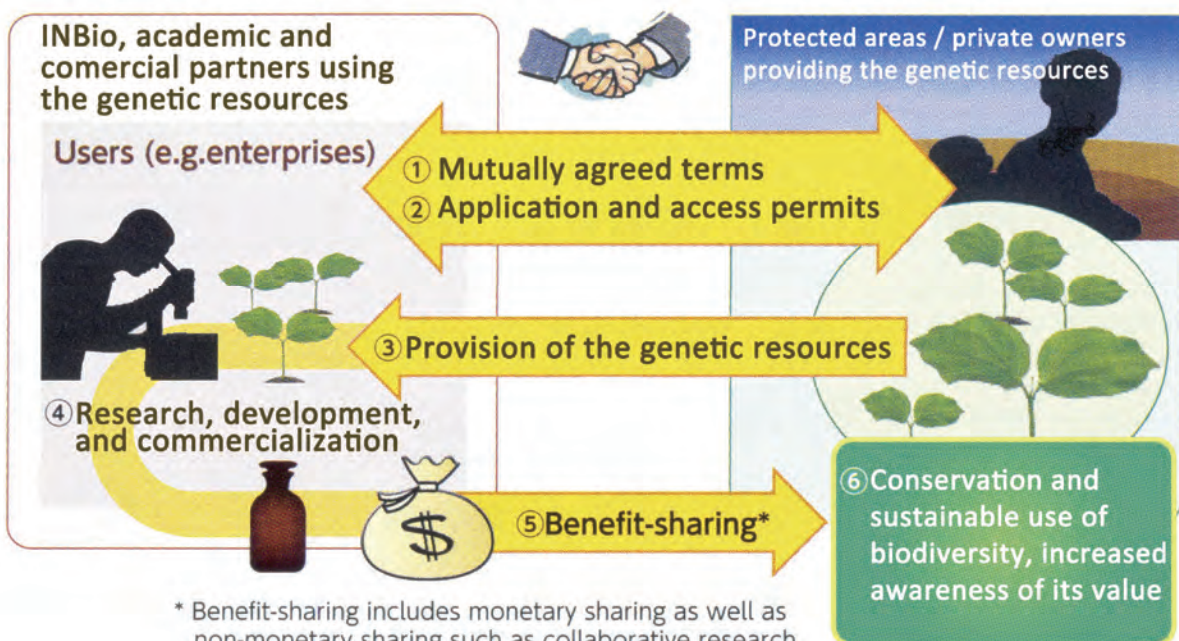


Bioliteracy

- Training in biodiversity management (teachers, tourist guides, entrepreneurs)
- 1.452.204 visitors to INBioparque (Costa Rica's population 4.5 million)
- Virtual communities of learning / Workshops
- Citizen science activities (Bioexplorer, Apps, Bioblitz)
- Books, field guides-ecotourism, educational materials
- Social networks and mass media reports

Bioprospecting: the process

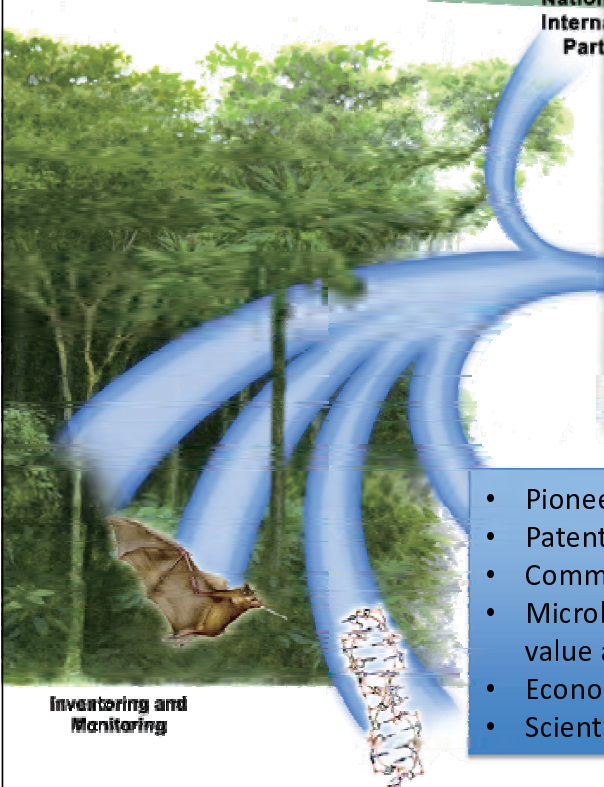
Scheme of access and benefit-sharing (ABS) in relation to genetic resources



* Benefit-sharing includes monetary sharing as well as non-monetary sharing such as collaborative research and technology transfer.

Modified from The National Biodiversity Strategy of Japan 2012-2020

Bioprospecting: the results



Nation
Intern
Part



Bioprospecting

- Pioneers in access and benefit sharing (ABS)
- Patents and milestone payments
- Commercial products in the market
- Microbial isolates / extracts with high information value added
- Economic benefits shared with protected areas
- Scientific publications

Investing and
Monitoring

Conservation/biodiversity management: the process



Conservation/biodiversity management: the results



National
International
Partners



Biodiversity Management

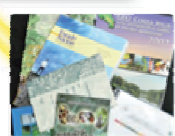
Inventing and Monitoring

- Protected areas management plans
- Ecosystem services assessment
- Landscape/trail interpretation for ecotourism
- Land use planning and community development
- Biodiversity in agricultural/urban ecosystems

Information for policy and legislation



National
International
Partners



Policy and Legislation

Inventing and Monitoring

- Direct contributions to:
- Biodiversity Law (COP 10 Award)
 - National Conservation Strategy
 - Conservation policies (Government/Congress)
 - State of the Nation Report

Technical assistance and capacity building



Sharing knowledge and experience: 45 countries

International collaboration:

- Developing knowledge
- Sharing knowledge and capacity building



Key factors of success

- The idea: at the right time, in the right place.
- Sustained political governmental endorsement.
- Capacity: individuals, institution and the national enabling environment.
- Intellectual collaboration of the scientific community.
- Financial support of philanthropic, bilateral and multilateral agencies.
- Costa Rica`s accomplishments in conservation / green agenda.



Key lessons

1. Shared dreams forges commitment and teamwork.
2. If love for nature is cultivated, people learn and act.



“An institution named INBio transformed our lives ...”
“ ... Thank you for having planted in each one of us the commitment with biodiversity conservation and with our society ”.

Muchas gracias

Thank you

ありがとう



