In loving memory of our colleague ALEJANDRA BARRIOS PEREZ (MEXICO)
ABS in Action

Santiago Carrizosa
Global Advisor on ABS
United Nations Development Programme (UNDP)
Santiago.carrizosa@undp.org

May 21, 2019
Setting the Stage: ABS in Action
Portfolio of ABS Projects: 50 Countries
How does ABS fit into the big picture?

1. SDGs
2. UNDP Strategic Plan
ABS and SDGs: The 2030 Agenda for Sustainable Development

1. No Poverty
2. Zero Hunger
3. Good Health and Well-Being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice and Strong Institutions
17. Partnerships for the Goals
ABS and the UNDP Strategic Plan

UNDP Strategic Plan

The Strategic Plan 2018-2021 sets out the direction for a new UNDP optimized to help countries achieve the 2030 Agenda for Sustainable Development.

View the Strategic Plan
Six ‘signature solutions’ within UNDP’s Strategic Plan achieve multiple SDGs in an integrated fashion

“Biodiversity, including genetic resources provide the foundation for human societies and a safety net of resources and ecosystem services for billions of people.”
3-Part framework for nature-based solutions

**ACTION**
- Protect
- R & D
- Remove
- Insure
- Invest
- Monitor
- Plan
- Enact
- Mobilize
- Enrich

**NATURE ELEMENT**
- Coral reef
- Forest
- Grasslands
- Tigers
- Wetlands
- Soil
- Pollinators
- **Genetic Resources**
- Desert
- Invasive species

**SDG OUTCOME**
- Food security
- Health
- No poverty
- Life on land
- Gender
- Safety
- Equality
- Carbon drawdown
- Energy
- Peace
Local scientist guides the deployment of frog-skin toxins as antibiotics and antifungicides

AUTHORS

PABLO LARCO ORTUÑO
National Coordinator UNDP-GEF Global ABS Project in Ecuador

PROLA GUIASRO
Communications Officer UNDP-GEF Global ABS Project in Ecuador
Development and production of a blue dye derived from Genipa americana with industrial and commercial application

AUTHORS

PAULA ROJAS
Coordinator of the Genetic Resources Group, Ministry of Environment and Sustainable Development

CARLOS OSPINA
Professional of the Genetic Resources Group, Ministry of Environment and Sustainable Development

JIMENA PUYANA
National Manager for Sustainable Development, UNDP/Colombia

DIANA MEJIA
Sustainable Development Specialist, UNDP Colombia

ADRIAN GIRALDO
Manager, South East Asia
ARGENTINA

Fighting pediatric diarrhea with nanobodies from a wild camelid, the guanaco

AUTHORS

DIEGO MORENO
Secretary of Environmental Policy – National Project Leader

MATIAS MOTET
Programme specialist – Environment and Sustainable Development Program, UNDP

VIVIANA MAIREÑO
Coordinating R&D - Research, National Agricultural Technology Institute - Research, National Agricultural Technology Institute

MICHELA BONAFINA
Project Manager

JULIETA SAINO
National Directorate of Biodiversity

ROCIO LAIZ QUIROGA
Project Consultant
UNDP-GEF Global ABS Project
Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol

The UNDP-GEF Global ABS Project in a Nutshell
UNDP Regional Center for Latin America and the Caribbean
Panama, 15th May 2019

Alejandro Lago
Manager
UNDP-GEF Global ABS Project
BASIC INFO GLOBAL ABS PROJECT
OBJECTIVE: Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol

3 years (end of the Project August 2019 December 2020)
4 PROJECT COMPONENTS
4 PROJECT COMPONENTS

1. Strengthening the legal, policy, and institutional capacity to develop national ABS frameworks

2. Building trust between users and providers of genetic resources to facilitate the identification of bio-discovery efforts

3. Strengthening the capacity of indigenous and local communities to contribute to the implementation of the Nagoya Protocol

4. Implementing a Community of Practice and South-South Cooperation Framework on ABS

Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol
Key activities - Component 1

20
National ABS legal frameworks developed or reviewed (1 full system approved; 1 ABS Regulation Amended; 1 Provisional system adopted; 1 ABS Policy)

1632
Stakeholders have been trained on ABS, Nagoya Protocol and ABS Procedures

18
national policy measures developed for protecting Traditional Knowledge (most have been included as part of the ABS legal frameworks)

1
Key challenge: Political buy to complete the legal procedures for the approval of the laws, regulations and effective implementation of the legal frameworks
Key activities- Component 2

- **22** Biodiscovery projects supported (34 expected)
- **22** Biodiscovery projects supported (34 expected)
- **20** Ethical codes of conduct or guidelines for research on TK and genetic resources (17 countries) (*in progress*)
- **25** ABS commercial agreements (*1 in Dominican Republic already signed*)
Key activities- Component 3

- Biocommunity/ Biocultural Protocols and/or Traditional Knowledge registries adopted by indigenous and local communities (22 countries)

- Countries supported in the development, design, and implementation of awareness-raising campaigns targeted to ILCs based on the past and existing initiatives in 22 countries
Key activities - Component 4 (UNV)

1. **Global ABS Community** (Community of Practice on ABS implemented and operating at regional and global level (website released in October 2018- www.abs-sustainabledevelopment.net)) Global ABS Community launched on February 2019 during the International Day of Women and Girls in Science.

2. Technical assistance requirements on ABS fulfilled at regional and global level.

3. Knowledge products on specific ABS topics developed at the regional and global levels, including a publication on ABS cases and the SDGs for COP-14 of the CBD (Nov. 2018) (27 countries).
Virtuous circle on ABS

Private
- Generates R&D
- Shares benefits

GOV.
- Simple Access system
- Control of users
- Biodiversity conservation

R&D
- Complies with the system
- Puts into value biodiversity of the country
- Channels R&D into the country

ILC
- PIC & MAT
- Biocultural Protocols

ABS is genetic resources for
UNDP-GEF Global ABS Project
Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol

Global ABS Community

Fernando J. Lopez R.
Agustina Rato
United Nations Volunteers Programme/UNDP-GEF Global ABS Project
UNV’s Contribution

**UNDP-GEF Global ABS Project**

“Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol”

---

**UNV Component**

“UNV Support to the implementation of the UNDP-GEF Global ABS Project”

**Figure:** Responsible Party and Senior Beneficiary

---

**Project Document**

- **Modality:** Direct Implementation Modality (DIM)
- **Intervention:** 4 Products, 11 activities y 10 Indicators;
- **National Level:** 5 Countries in LAC;
- **Global Level:** 24 countries/4 regions;
- **Budget:** SVF: US$ 425,000 / UNDP-GEF: US$ 332,000;
- **Mobilization:** More than 300 local volunteers.
Communities of Practice

• “COPs refers to groups of people who genuinely care about the same real-life problems or hot topics, and who on that basis interact regularly to learn together and from each other.”

## Outputs, indicators & targets

<table>
<thead>
<tr>
<th>Outputs</th>
<th>Indicators</th>
<th>Targets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Experience exchange and knowledge-sharing fostered;</td>
<td>a. Number of members registered and interacting among each other</td>
<td>Two thousand (2,000) members</td>
</tr>
<tr>
<td>2. Countries’ requirements on ABS addressed;</td>
<td>b. Number of on-line activities for knowledge-sharing conducted (e.g. webinars, presentations, forums, live transmissions)</td>
<td>Twenty (20) on-line activities</td>
</tr>
<tr>
<td>3. Best practices, lessons learned and knowledge products on ABS shared;</td>
<td>c. Number of on-site activities for knowledge-sharing (e.g. workshops, field visits, advisory) Number of knowledge products developed (e.g. publications, case studies, e courses, databases)</td>
<td>Five (5) on-site activities Ten (10) knowledge products</td>
</tr>
<tr>
<td>4. Interaction, trust and spirit of collaboration between and among countries promoted.</td>
<td>Number of multilateral collaborations on ABS fulfilled at the local, regional and global level.</td>
<td>Ten(10) multilateral collaborations.</td>
</tr>
</tbody>
</table>

### Indicators & targets

- **4.1.** Global ABS Community implemented and operating at regional and global level
  - **Target:** Yes ABS CoP

- **4.2.** Number of experts on ABS information mapped and incorporated into a regional and global database
  - **Target:** Fifty (50) experts

- **4.3.** Number of technical assistance requirements on ABS fulfilled at regional and global level
  - **Target:** Fifteen (15) technical assistances

- **4.4.** Number of knowledge products on specific ABS topics developed at the regional and global levels
  - **Target:** Twenty (20) knowledge products

### Component 4
Thematic Areas

ABS Legal Frameworks

Knowledge, good practices and lessons learned regarding the implementation of legal frameworks on ABS.

Private Sector & Industries

Provides an overview of market dynamics and major trends in R&D of GR and its market demands.

Sustainable Development Goals

Explores the impact of the ABS thematic to the Sustainable Development Goals.

Traditional Knowledge

A space for experience sharing, information dissemination and best practices regarding the use of traditional knowledge associated to GR.
# On-line Activities Promoted

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Name of the Activity</th>
<th>Languages Offered</th>
<th>Region of Focus</th>
<th>Total Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Webinars</strong></td>
<td>Gender and ABS</td>
<td>English, Spanish</td>
<td>LAC</td>
<td>306 Registrations</td>
</tr>
<tr>
<td></td>
<td>The Nagoya Protocol</td>
<td></td>
<td>Africa</td>
<td>187 Attendees</td>
</tr>
<tr>
<td></td>
<td>Blockchain as an innovative to improve the implementation of the NP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Event Live-Streaming</strong></td>
<td>CBD Cop-14</td>
<td>English, Russian, Spanish, LAC</td>
<td>Global, Eastern Europe (Russian Speaking Countries)</td>
<td>297 Registrations</td>
</tr>
<tr>
<td></td>
<td>Community of Practice Workshop for ABS practitioners</td>
<td></td>
<td></td>
<td>136 Attendees</td>
</tr>
<tr>
<td></td>
<td>Protection Mechanisms of Traditional Knowledge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recordings</strong></td>
<td>ABS Contract Negotiation</td>
<td>Spanish</td>
<td>LAC</td>
<td></td>
</tr>
</tbody>
</table>
Awareness Raising Campaigns

➢ Campaign to celebrate the International Day of Women and Girls in Science

Online campaign to celebrate the effort and dedication of all scientific girls and women that Works towards the implementation of the Nagoya Protocol, setting role models for future generations.

➢ Campaign to celebrate the UN Permanent Forum on Indigenous Issues on the framework of the International day of indigenous languages.

An activity organized in collaboration with the Ministry of Environment of Ecuador with the aim to share experiencies and knowledge regarding protection mechanisms of traditional knowledge.
Face to Face (On-Site Activities)

- International Workshop of Traditional Knowledge related to GR held in Ecuador;

- Regional Community of Practice workshop held in Istanbul design to strengthen the capacity to deal with legal, policy and practical issues related to the management of GR and TK;

- Regional workshop held in DR about ABS contract negotiation directed towards ABS focal points and national competent authorities from LAC.
CoP Workshop for European, CIS, Arab and Asian countries
held in Istanbul (IRH) from 9 to 12 April 2019:
- first one of this kind for CIS Region, with 31 participants
  from 9 countries (Albania, Belarus, Kazakhstan, Tajikistan,
  India, Jordan, Mongolia, Myanmar and the Republic of
  Kirgizstan)
- International experts, CBD Secretariat and simultaneous
  ENG/RUS translation
- Live Broadcast through GoToWebinar in Russian
CoP Workshop for European, CIS, Arab and Asian countries held in Istanbul (IRH)

Cont’d

- Substantive sessions and expert materials made available through the Global ABS Community website
- Special session with simultaneous workshop in Japan focused on agricultural biodiversity, plant breeding and ABS to facilitate direct exchange of experiences and direct contacts with other countries in Asia, ABS stakeholders and the private sector
- Upcoming sub-regional training on ABS contract negotiations to be held in Botswana – first week of September 2019, tentative.
CoP Workshop for Asia (Cambodia, Oct 2018)

Participants

• 12 countries
  Bhutan, Cambodia, China, India, Indonesia, Japan, Korea, Malaysia, Mongolia, Myanmar, Philippines, and Vietnam
• 18 Female and 16 Male
• Government, research institutions, and private sector
COOP WORKSHOP FOR ASIA (CAMBODIA, OCT 2018)

OBJECTIVES

• Exchange knowledge and experiences, good practices and lessons learned on ABS implementation

• Increase awareness on issues and concerns of ABS institutions, academic/scientific community, and private sector as regard to the implementation of NP-ABS

• Provide options to address issues and concerns of stakeholders on the implementation of NP-ABS

• Initiate a CoP on ABS at the regional level as part of the Global CoP on ABS
CoP IN LATIN AMERICA AND THE CARIBBEAN

4 regional activities in LAC:

• Exchange of experiences on ABS legal frameworks (31 July-3 August 2017, Panama)
• Exchange of experiences on Monitoring of genetic resources (4-5 June 2018, Panama)
• International workshop on Traditional Knowledge, Intellectual Property Rights and ABS in the context of the Nagoya Protocol (5-7 September 2018, Ecuador)
• Regional training on negotiation of ABS Contracts (1-3 May 2019, Dominican Republic)
SUPPORT TO OTHER INTAL ACTIVITIES/ORGANIZATIONS

1. Support to UNDP-GEF ABS National Project in **Argentina** with trainings and country mission (Dec. 2017) and **Cook Islands** (February 2018)
2. Facilitation of an exchange mission from **Morocco** (UNDP-GEF ABS national project) to **South Africa** (Global ABS)
4. Support to the Secretariat of the **Convention on Biological Diversity**:
   - 6 Regional IDLO legal trainings on the Nagoya Protocol
   - 3 Regional trainings on traditional knowledge
   - 2 Regional trainings on the mutual supportiveness with the International Treaty on Plant Genetic Resources with Bioversity
UNDP-GEF Global ABS Project
Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol

INNOVATIONS AND EMERGING ISSUES
Key challenges and the future

• Key challenges:
  • Flexibility of the Nagoya Protocol vs. STANDARDIZATION
  • Where is the private sector?
  • Is the Nagoya Protocol giving to the ABS system the required traceability of genetic resources at the global level?

• Developing innovative tools on:
Time for ACTION! Valorization Workbook

Gender Toolkit

Mainstreaming Gender into ABS Compliant Value Chains
Intellectual Property (IP) Guidance

- #1 Patent Disclosure Requirements on Genetic Resources
- #2 Sui generis IP protection of Traditional Knowledge held by Indigenous Peoples and Local Communities
- #3 Documentation of Traditional Knowledge
- #4 Data access and use agreements for Digital Sequence Information (DSI)
Blockchain for GR

- MoU with Alxerion (March 2019)
- Developing the strategy and activities to be conducted to test blockchain technology for the utilization and tracking of genetic resources and associated Traditional Knowledge

- [https://www.youtube.com/watch?v=4A31ZbMfggU&trk=organization-update-content_share-video-embed_share-article_title](https://www.youtube.com/watch?v=4A31ZbMfggU&trk=organization-update-content_share-video-embed_share-article_title)

Picture from [https://cbnt.co.uk/2018/11/10/blockchain-solution-for-nhs/](https://cbnt.co.uk/2018/11/10/blockchain-solution-for-nhs/)
Access and Benefit Sharing (ABS) is Genetic Resources for Sustainable Development

Building Trust

Thank you for your kind attention!!

www.abs-sustainabledevelopment.net

Follow us on Twitter: @UNDPabs

Access and Benefit-Sharing (ABS) is Genetic Resources for Sustainable Development