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L'INITIATIVE DE  
RENFORCEMENT  
DES CAPACITES  
POUR L'APA

# Approaches for Identifying Economic Potentials for Genetic Resources under ABS in Africa:

## Outcomes of a 6 Country ABS Capacity Building Project (Cameroon, Kenya, Madagascar, Mozambique, Senegal, South Africa) under GEF-4

*Hosted by the ABS Capacity Development Initiative jointly with UNEP Division of Environmental Law (DELCL) and ONE WORLD ANALYTICS*

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## UNEP/ GEF-4 ABS Capacity Building Project for Africa executed by GIZ / ABS Initiative

<b>Project title</b>	Supporting the Development and Implementation of ABS Policies in Africa
<b>Countries</b>	Cameroon, Kenya, Madagascar, Mozambique, Senegal, South Africa
<b>Project Cost</b>	2.180.652 USD <ul style="list-style-type: none"><li>▪ GEF Grant: 1,177,300 USD</li><li>▪ Co-Financing: 1,003,352 USD</li></ul>
<b>Duration</b>	10/2010-12/2014

# Regional Activities



	Activities	GEF-financing	Co-financing
A	<b>Development, Implementation and Revision of ABS Policies and Regulations in 6 Countries</b>	827.300 USD	110.000 USD
B	<b>Regional and Sub-Regional Cooperation and Capacity Development</b> <ul style="list-style-type: none"> <li>▪ Training of Trainers</li> <li>▪ Regional ABS Materials and Tools</li> <li>▪ Participation of National ABS Counterparts</li> <li>▪ Involvement of Sub-Regional Organizations</li> <li>▪ <b>Identifying of Business Potentials for GR</b></li> <li>▪ <b>Synthesis/Dissemination of National Lessons</b></li> <li>▪ Training Workshops</li> <li>▪ Coordination of National/Regional Activities</li> </ul>	295.200 USD	40.000 USD
C	<b>Project Coordination</b> <ul style="list-style-type: none"> <li>▪ Overall Project Management</li> <li>▪ Monitoring and Evaluation</li> </ul>	54.800 USD	-

# Pilot Countries

## Cameroon



### Project Cost

320.000 USD

### Project Duration

03/2011 – 07/2013

### Key Activities

Training of  
Government  
Officials, ILCs and  
NGOs

Study on ABS,  
TK and IP

Development of a  
Draft ABS Strategy

Development of  
ABS Tool  
Kits/Manuals and  
Trainings

# Kenya



## Project Cost

136.200 USD

## Project Duration

07/2013 – 10/2014

## Key Activities

Development of  
ABS Tool  
Kit/Manual and  
Information  
Material

Conduction of a  
National  
Stakeholder  
Workshop and 4  
Multi-Stakeholder  
Trainings

Conduction of a  
National ToT for ILC  
Representatives

Conduction of  
Trainings for Staff at  
National Level

# Madagascar



## Project Cost

134.000 USD

## Project Duration

12/2010-10/2013

## Key Activities

Development of a Study on the Analysis of ABS Legislation

Conduction of Multidisciplinary Trainings for Officials of Ministries

Elaboration of a National Framework on ABS

Development of ABS Virtual Exchange on the Website of the CHM

# Senegal



## Project Cost

136.200 USD

## Project Duration

01/2011 – 06/2014

## Key Activities

Conduction of 7  
Decentralized  
Workshops

Elaboration of a  
Strategy on ABS

Conduction of a  
Committee Meeting

Workshop on  
National Validation  
Strategy

# South Africa



## Project Cost

200.500 USD

## Project Duration

01/2011-12/2013

## Key Activities

Development of Stakeholder Specific Training Material; Conduction of Technical Training Workshop and 4 Stakeholder Specific Workshops on ABS

Establishment of a Web-Based CHM, Coordination Mechanism and Information Portal

Development of a National ABS Management Tool incl. Best Practice Guidelines and Case Studies

Production of ABS Film and Brochure on FAQ

Analysis of National Policies and Amendment of Regulations; Conduction of a Public Participation Process



# [Mozambique]



## Project Cost

168.200 USD

## Duration

01/2012- 10 / 2014

## Key Activities

Conduction of  
Regional Trainings  
for Institutions,  
NGOs, Locals

Production and  
Dissemination of  
Public Awareness  
Material, Media  
Outreach Tools

Revision of  
Regulations on ABS

Development of  
Guidelines

# Country voices:



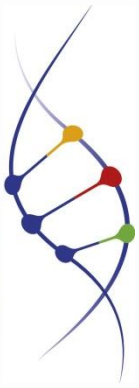
- Highlight of activities undertaken
- Lessons learnt
- Challenges ahead

# Study: Identifying economic potentials for GR



- ✓ 6 reports on the **countries' biodiversity in the global patent systems**
- 6 **country (desktop) reports** further exploring:
  - a) **links between patent documents, values chains and markets,**
  - b) **national actors** related to the utilisation of GR
  - c) **country specific recommendations** to inform the
    - national ABS framework
    - valorisation of GR.
- **4 sector analysis** on users of GR, R&D, trends requirements.
- **A synthesis report.**

# Country Overview: early findings



## Links between patent documents, value chains and markets

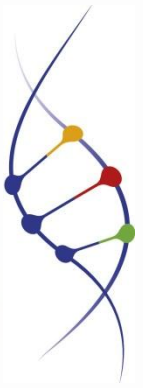
### Key findings:

- A few genetic resources related to patent documents could be linked to value chains and markets.
- Most patent documents go nowhere!
- However, there is ongoing R&D on a range of GR

### In conclusion:

- GR are of value for the sectors' innovation approach
- In practice, actors do invest in R&D activities related to countries biodiversity.

# Country Overview-Early Findings

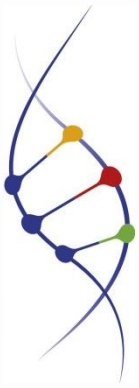


## National actors related to the utilisation of GR. 1/2

### Overview:

- Differences between countries regarding the diversity of actors conducting R&D, spectrum of research areas covered.
- **South Africa** and **Kenya** : match between a provider R&D activities and the sectors R&D needs
- **Other countries** :
  - gap between national actors and sectors R&D requirements.
  - a core nucleus of institutions presenting R&D features that open some opportunities to valorise GR

# Country Overview-Early Findings



## National actors related to the utilisation of GR. ½

### ▪ **South Africa and Kenya :**

- Diversity of actors doing R&D (i.e. Public, Private, civil society)
- Conducive business environment; respectively with a bioeconomy and bioprospecting strategies

### ▪ **Cameroon**

- Network of R&D actors at the regional level in Congo basin
- Diversity of actors related to R&D at the national level

## National actors related to the utilisation of GR. ½



### ■ Madagascar

- A unique expertise on bioprospecting (ICBG).
- Few experienced national companies and NGOs valorising GR.
- Capacity to undertake initial phases of R&D (e.g. taxonomy, sampling, basic screening of activity)

### ■ Senegal

- Some research taking place in the universities and public institutions
- Specificity : 2 major commodities where there is on-going R&D at the international level

### ■ Mozambique

- A national strategy on biotechnology since 2009 and a few public institutions doing research for agricultural and marine purposes

# Sector Analysis: Methodology



- **Sector considered as the most important users of genetic resources:**
  - Pharmaceuticals
  - Cosmetics
  - Food & Health Food
  - Biotechnology sectors
- **Questions addressed:**
  - What are R&D trends in the sectors?
  - How do sectors use genetic resources for R&D purposes?
  - What are the users requirements for undertaking R&D on genetic resources?
  - What are there market opportunities for products based on genetic resources?



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# Thank you

... more on ABS and the  
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- [www.abs-initiative.info](http://www.abs-initiative.info)

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