

# Protecting, preserving and restoring African poultry biodiversity

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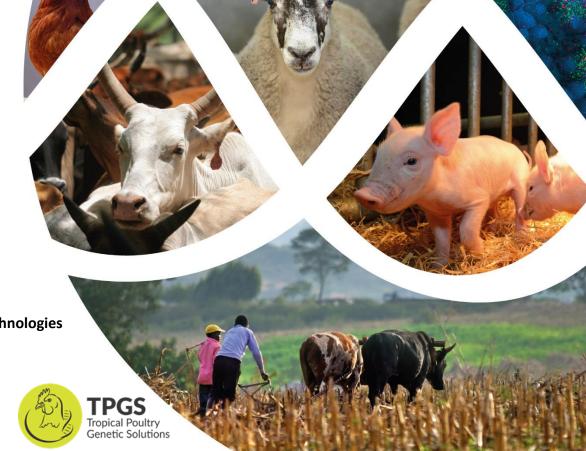














#### Headlines

- 1. The state of Africa's poultry biodiversity and threats
- 2. Biobanking cPGC and chimera production at CTLGH/ILRI
- 3. Restoration of poultry biodiversity and dissemination of potential elite lines using the DDX4 KO and iCaspase-9 surrogate technologies
- 4. Up Scaling potential of poultry conservation for better livelihoods
- 5. Compliance from <u>local</u> biodiversity to <u>global</u> animal biotechnology







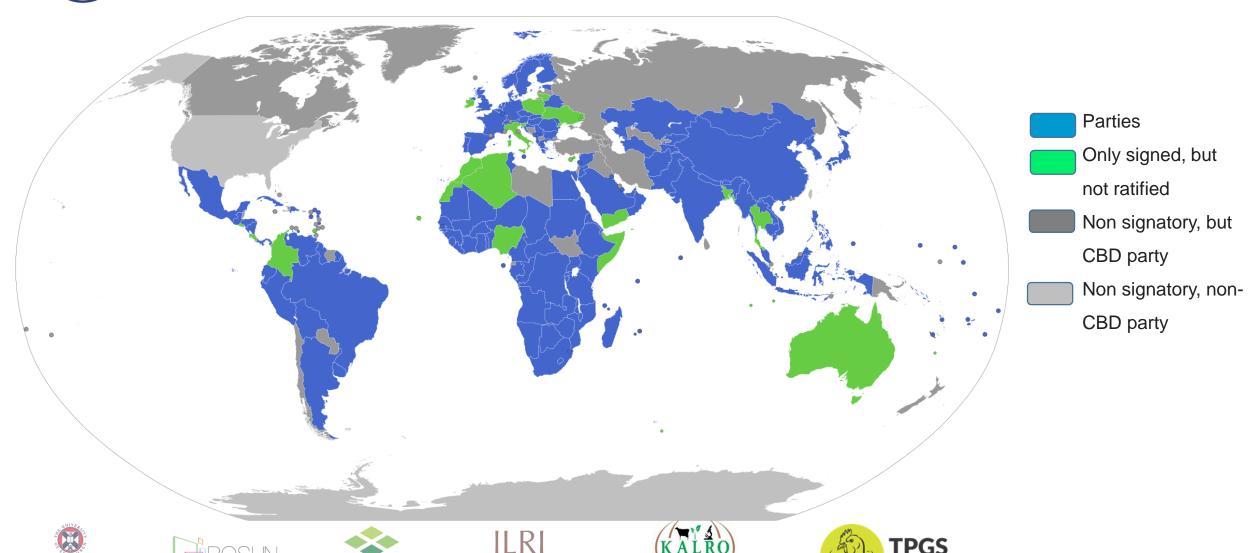








## Regulation on ABS of the Nagoya Protocol for Protection of African poultry biodiversity







African Union Practical Guidelines

for the Coordinated Implementation of the

Nagoya Protocol in Africa

Asserting sovereign rights of states and IPLC rights over GR (DSI?) and aTK















## Link between ABS, Sustainable Use and Conservation

In accordance with Article 9 of the NP, AU Member States may consider potential mechanisms for linking the three objectives of the CBD including:

- a) Developing regional and national scientific capacity and promoting research geared towards conservation or sustainable use
- b) Directing some benefits arising from use of AnGR to conservation and better livelihoods
- c) Developing strategies for conservation and sustainable harvesting of AnGR
- d) Promoting and supporting traditional lifestyles relevant for the conservation of biodiversity and sustainable use of its component















## Challenges for Animal Biotechnology researchers and developers

- a) Centralization of decision in the hands of one administration with little attention to livestock agendas; or lack of coordination if multiple decision makers
- b) Lack of effective mechanism for the participation of communities in ABS;
- c) Generality and vagueness of the regulatory regime and lack of regulations and guidelines for the effective implementation of the regulatory regime,
- d) Poor drafting of ABS Agreements;
- e) Lack of effective enforcement and follow-up mechanisms for ABS Agreements.















#### ACCESS PERMIT PROCEDURE: e.g. from KENYA

#### PRE-ACCESS PROCEDURE

Identification of Local Partner

Identification of GR Provider

Application for Research
License from NACOSTI

Acquisition of Researcher's Pass

Acquisition of Prior Informed Consent and Mutually Agreed Terms

Negotiate terms and conditions of the MOU or CRA

www.nema.go.ke www.oris.nacosti.go.ke or www.nacosti.go.ke Lead agency, • individual or community • in a specified locality

- Letter of Affiliation
- Partnership MOU/CRA
- Project proposal abstract.

Apply for researcher's pass (Departement of Immigration Services: Kenya Citizenship and Immigration Act, 2011.

Establish contact with appropriate GR provider through the public administration to commence the process of acquiring PIC&MAT











### ACCESS PERMIT PROCEDURE: e.g. from KENYA

#### **PROCESS FOR ACQUIRING ACCESS PERMIT**

**Applicant** 

Filing
Access
Permit
Application

Formal
Review of
the
Application
by NEMA

Publication and Notification of Application

Determinati on of Application

**NEMA** 

Communica tion of the Decision on Application

Conditions of Access Permit

**Appeal** 

Fill the form:

www.nema.go.ke

Attach required document, including the PIC&MAT





Publishes the application in the Kenya Gazette and in at least one nationwide newspaper

**SRUC** 

ILRI
INTERNATIONAL
UVESTOCK RESEARCH
IN STITUTE

Invites ABS Technical Committee (TC) to evaluate the application taking into consideration the comments from the public and other stakeholders

Decision to grant/reject the application Valid for communicated within 60 days for a single from the date of receipt of the application.

Permit is transfer to valid for a single for a si

Permit is not transferable.
Valid for one year renewable for a similar period.

If aggrieved, appeal to the National Environment Tribunal as provided for in section 11 (3) of the ABS Regulations, 2006.



## **ACCESS PERMIT PROCEDURE: e.g. from KENYA**

#### **POST ACCESS**

## **Execution of Material Transfer Agreement**

- Engage the relevant lead and initiate negotiation of terms of transfer of the GRs and/or aTK
- 2. Negotiate and complete MTA customize it appropriately to suit the GR
- Ensure the agreement is signed and dated by legally authorized persons in both contracting parties
- 4. Submit a copy of the executed MTA to NEMA for further information.

**Application for Export Permit** 

- \* Phyto-sanitary Certificate
- \* Animal Health Certificate
- Apply for and obtain an export permit from the relevant lead agency
- Attach the animal health clearance certificate from DVS















#### **ACCESS PERMIT PROCEDURE**

#### TRANS-BOUNDARY MEASURES

If the same AnGR or aTK are found in situ within many countries (eg:
Kenya, Uganda, Tanzania, Ethiopia, etc.) the Government will endeavour
to cooperate with them and involve IPLC concerned, where applicable,
with a view to implementing PIC, MAT and other ABS Agreements and the
objectives of the Nagoya Protocol.















#### **ACCESS PERMIT PROCEDURE**

#### INTERNATIONALLY RECOGNIZED CERTIFICATE OF COMPLIANCE (IRCC)

- The access permit issued in accordance with ABS Regulations is submitted to the CBD ABS- CH to constitute an IRCC.
- The IRCC serves as evidence that the genetic resource has been accessed in accordance with PIC&MAT, as required by the National ABS regulatory requirements.















## Implications of non-compliance: Biopiracy

#### Non-compliance (Regulation EU (No) 511/2014) meaning failure to:

- Comply with the ABS laws of the provider country
- Comply with your benefit-sharing agreement as in PIC&MAT
- Comply with the AU Regulation
- Fulfill your due diligence obligations, including SKT information failing to declare due diligence;
- Stop utilization if information becomes available that you need ABS documentation for your research material and you don't have it; or
- Support a user check by the Nature Protection Agencies .















## Action against non-compliant researchers and institutions:

#### Remedial orders

- ✓ Prohibits further utilization and transfer of the material;
- ✓ Prohibits the publication or sharing of any results of utilization

#### 2. Confiscation

✓ The BfN is authorized to confiscate material or research results

#### 3. Fines

- ✓ Regulation (EU) No 511/2014: **€50,000**
- 4. Reputation loss
- 5. Blacklisting
- 6. Publication retracted
- 7. Refusal to deposit









#### Access and Benefit-Sharing (ABS) and compliance for Animal Genetic Resources (AnGR)



#### https://cgspace.cgiar.org/handle/10568/108987

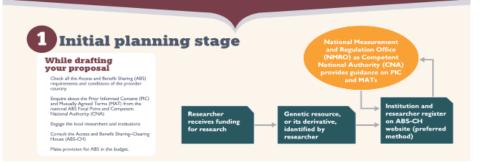








## Actions' flow for Access and Benefit Sharing (ABS)



Is the Nagoya Protocol applicable to the required AnGR?

Is the Nagoya Protocol (NP) applicable to the required Animal Genetic Resources (AnGR)?

- A If the AnGR is obtained from a registered collection established in accordance with national or regional regulations, check requirements relating to due diligence are fulfilled.
- B Check if the country is party to the NP
- C Some countries are proposing to implement legal frameworks encompassing the ABS provisions of Nagoya, with assumption that these will be accepted as an alternative to ABS.





https://cgspace.cgiar.org/handle/10568/108988







#### **Lessons Learnt & Solutions**

Need to strengthen national and international collaboration and coordination

Need to protect TK and its associated rights

An integrated approach to legislate ABS under a comprehensive legal framework on biodiversity

CTLGH/LiveGene - ILRI APPROACH











## Thank you

## www.ctlgh.org

## **CTLGH Funders**



















