

Developing Biosafety Regulations in Developing Countries

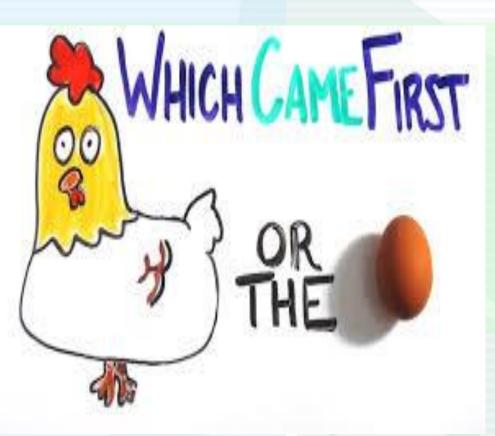
Experiences from Africa

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Historical Background



Abstract – regulations in absence of products





- Precautionary Approach
 - emphasized RISKS
- African "Model Law" on Biosafety – extreme interpretation of PP = stringent liability & redress

Biosafety Frameworks

Common Features



POLICY

REGULATORY FRAMEWORK

INSTITUTIONAL ARRANGEMENTS

Common Policy Objectives

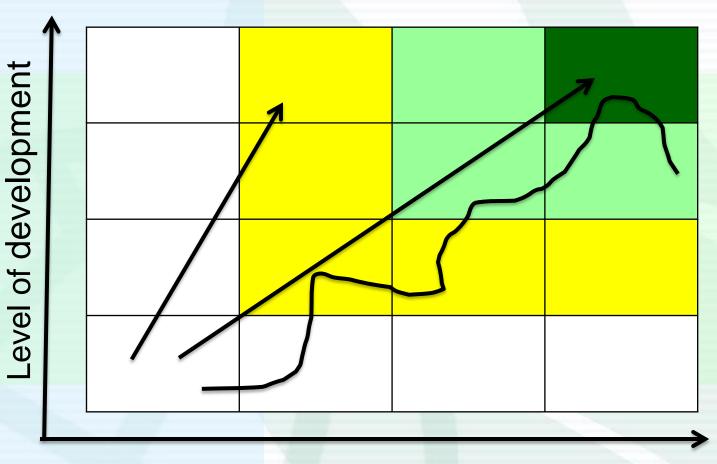


Apply Biotechnology to achieve:

- ✓ Economic Development
- √ Social Development
- ✓ Environmental Protection

Degree of Functionality: Twists and Turns (Ref F.Nangayo 2017)





Level of Functionality

Long Tedious Painful

Many extraneous factors! SEC L&R Co-existence

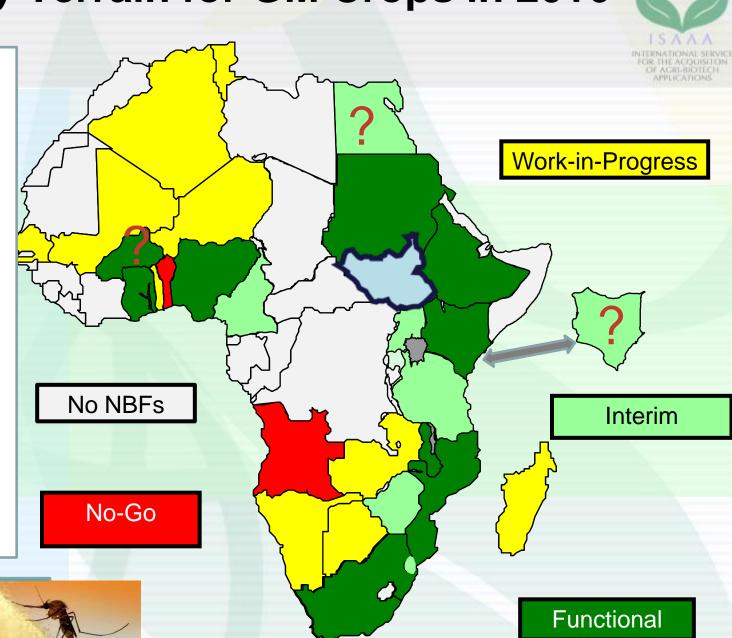
EU FACTOR

Regulatory Terrain for GM Crops in 2016



Countries with GM Crops' Activities

- 1. South Africa
- 2. Burkina Faso
- 3. Nigeia
- 4. Cameroun
- 5. Ghana
- 6. Ethiopia
- 7. Kenya
- 8. Tanzania
- 9. Mozambique
- 10.Malawi
- 11.Sudan
- 12.Egypt
- 13.Swaziland



GM ANIMALS?

Africa Biosafety Regulatory Processes:



General Observations

What has <u>not</u> worked	What has worked	Best practice
Abstract regulations in absence of products	Clear Government leadership (e.g. South Africa, Burkina Faso* Sudan, Ethiopia)	Mainstream biotech across all sectors; Case-by-case based on country priorities
Historical – highly precautionary despite 21 years of safe use = overregulation & high cost of compliance	Sharing Risk Assessment data and regulatory capacities emerging—Ghana/Nigeria (Bt cotton) Malawi/Kenya (NPTs)	Support implementation of harmonization efforts e.g. COMESA, SADC, ECOWAS
among risk	Coordinated approach and experience accelerating regulatory approval process e.g. Malawi	Experiential learning through study tours; Capacity building partnerships



Reduction in time between Submission of CFT Application and Approval in Malawi



Africa Biosafety Regulatory Processes:

General Observations



What has <u>not</u> worked	What has worked	Best practice
Blanket regulatory	Selective; Animal and	Adapt regulatory
process for GM crops	human vaccines	regime for animal-
and GM animals;	subjected to same	related GM-programs;
recombinant vaccines	regulatory procedures?	Case-by-case

Deeply held perceptions
about private-sector,
hence tight controls
(police-ing vs facilitative

Several Governments revising stringent, unworkable regulations

More public-sector support to develop products

Influence of activism
delaying biosafety
decision-making; Being
reactive than proactive

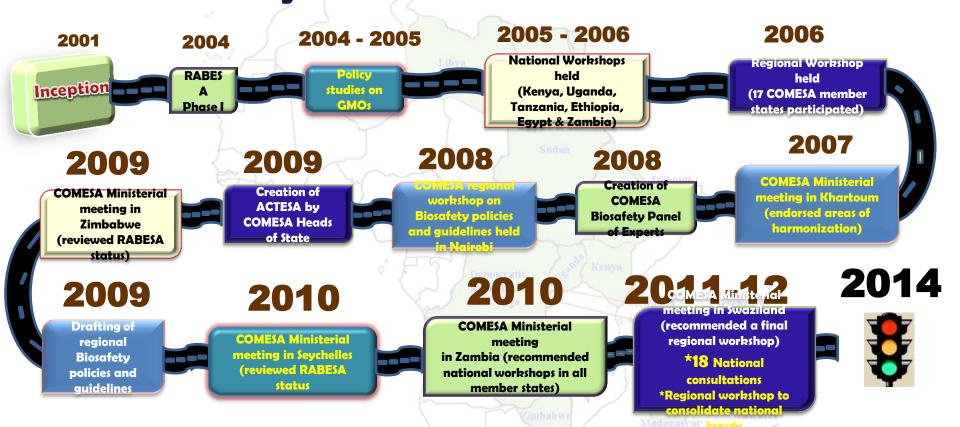
dancing to the tune...

Secure Government commitments and political goodwill

Intensify effective biosafety communication especially with new breeding tools

COMESA PROGRAM

Regional Approach to Biotechnology and Biosafety Policy 2001 – 2014/COMBIP 2015...



OBJECTIVES

- 1. Regional Risk Assessment procedure
- 2. Trade with GM commodities no animals?
- 3. Access to emergency food aid with GM content

MILESTONES

- Regional biosafety policies and guidelines for commercial planting of GMOs, trade in GM products and access to emergency food aid with GM content drafted;
- A communication strategy-to create awareness about the COMESA harmonization agenda developed;
- 3. A biosafety roadmap- to support countries establish and implement functional biosafety systems developed.













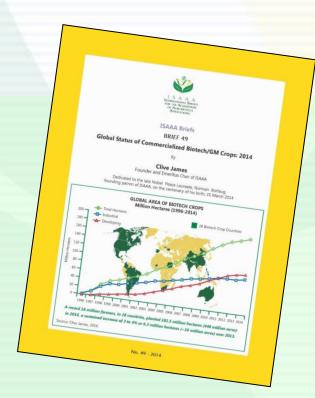
3 Key Challenges

- Unpredictable political and policy environment to support vibrant biotech research on priority Africa challenges -mismatch of skills
- Costly regulatory process beyond the reach of public- sector researchers (Pubic-private partnerships?)
- 3. Gross misinformation and media sensations creating fear and delayed policy processes

Conclusion WII-FM (Shared values!)



- ✓ ISAAA's global knowledge sharing initiative on agri-biotech applications
- ✓ Has constructed a GMO
 Approval Database to document
 global regulatory approvals of
 biotech crops in real time

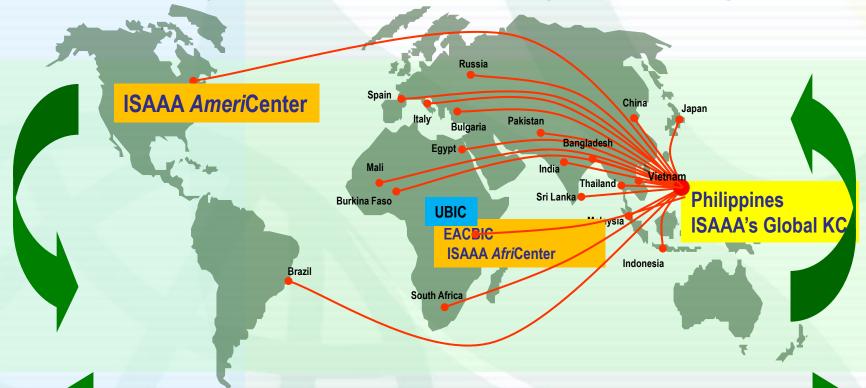


Partnership in expanding global database with Animal Biotechnology regulatory approvals?

ISAAA's Communications' and Global Knowledge Sharing Initiative



Network of 26 Biotech Information Centers - BICs



Dual Knowledge and Experience Sharing

Weekly Crop Biotech Updates

"Glass is half-full NOT half empty Think Opportunities!



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