

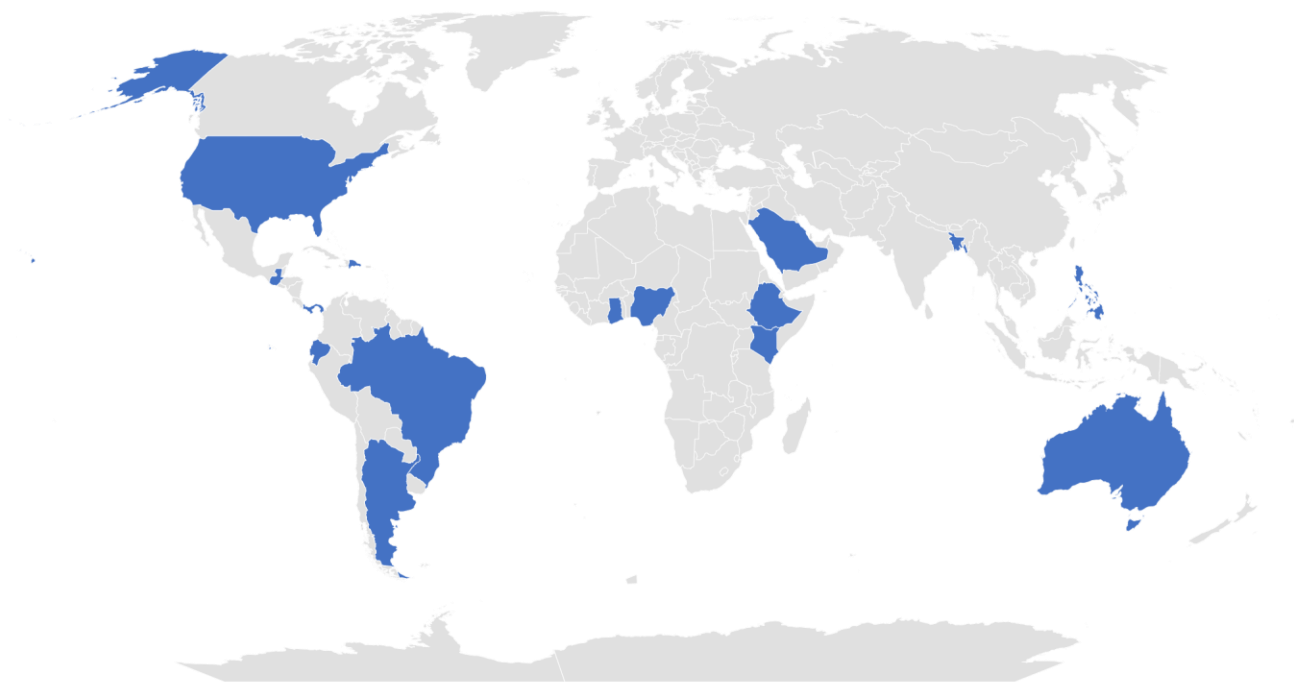
Overview of the Pre-Conference Questionnaire: Global Trends

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September 14, 2022

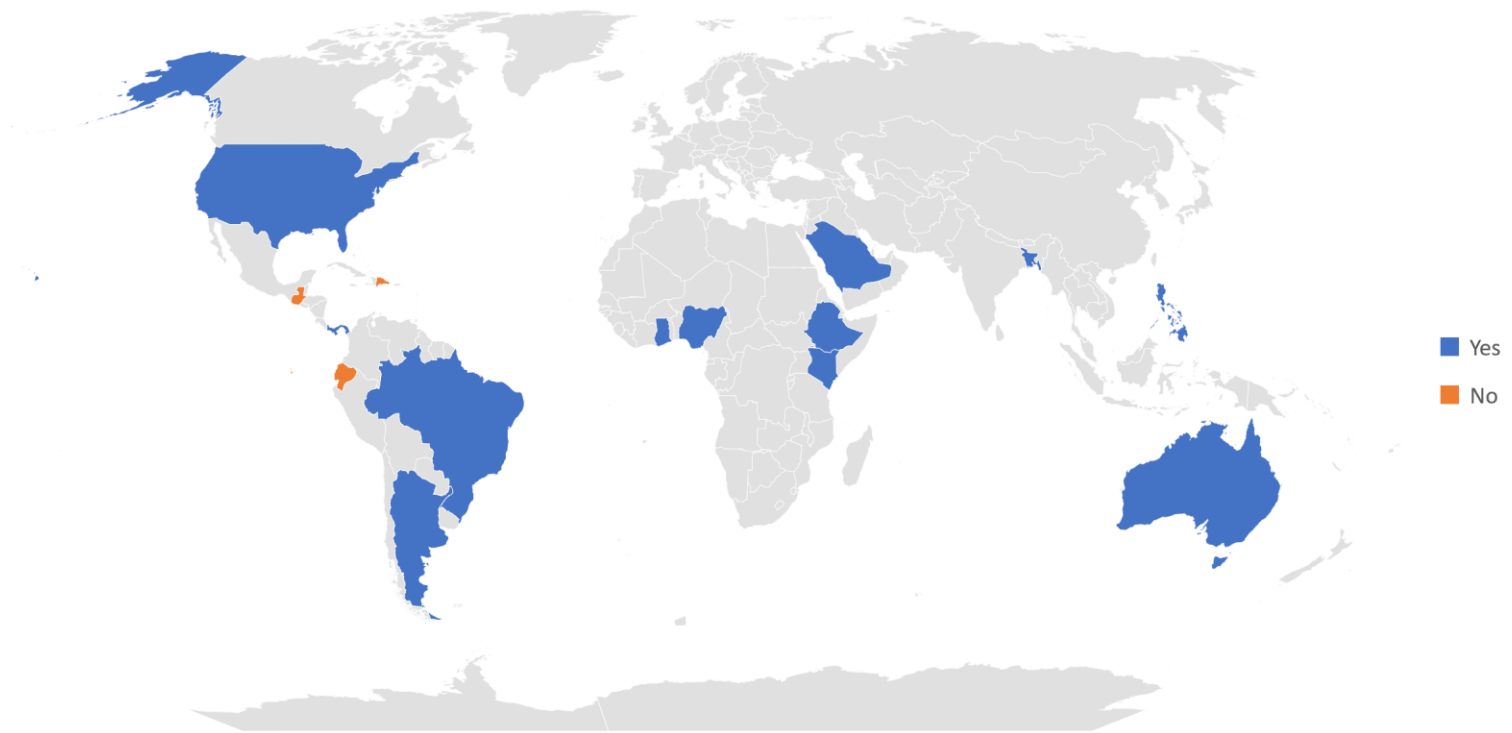


Responses were received from 15 countries

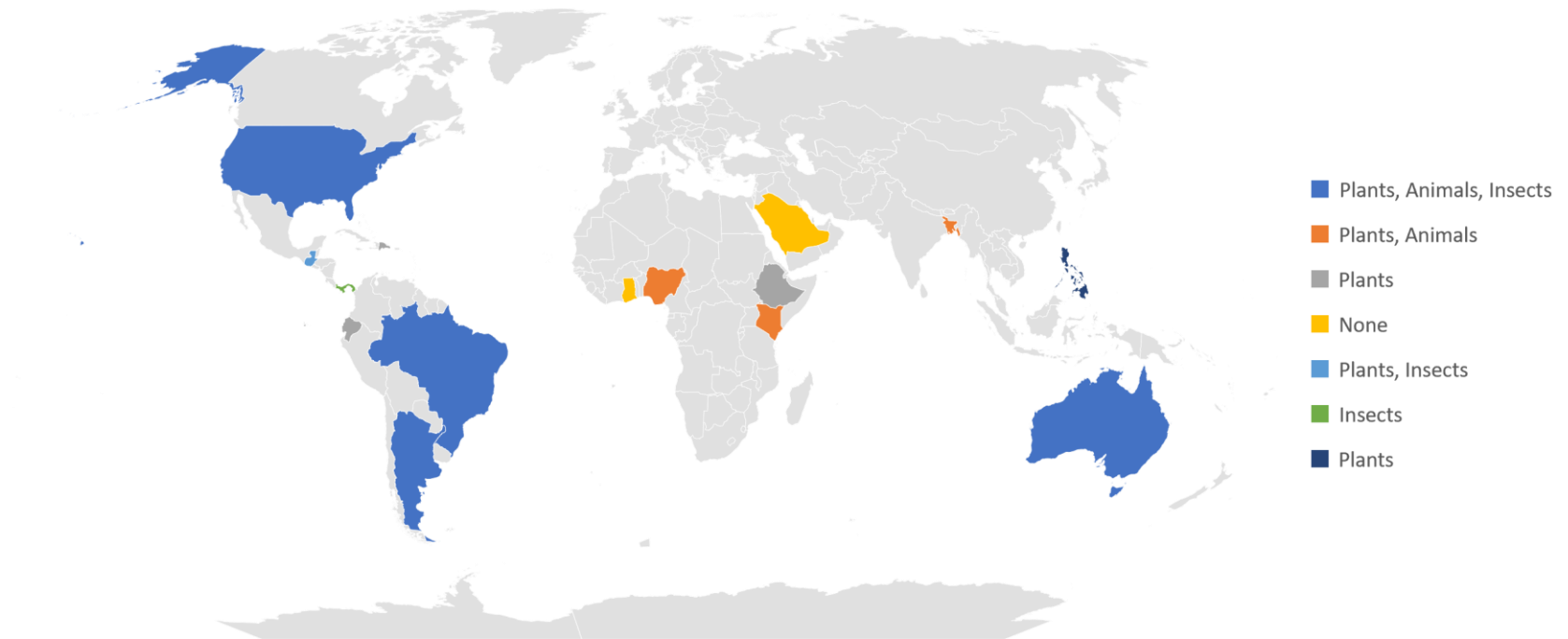


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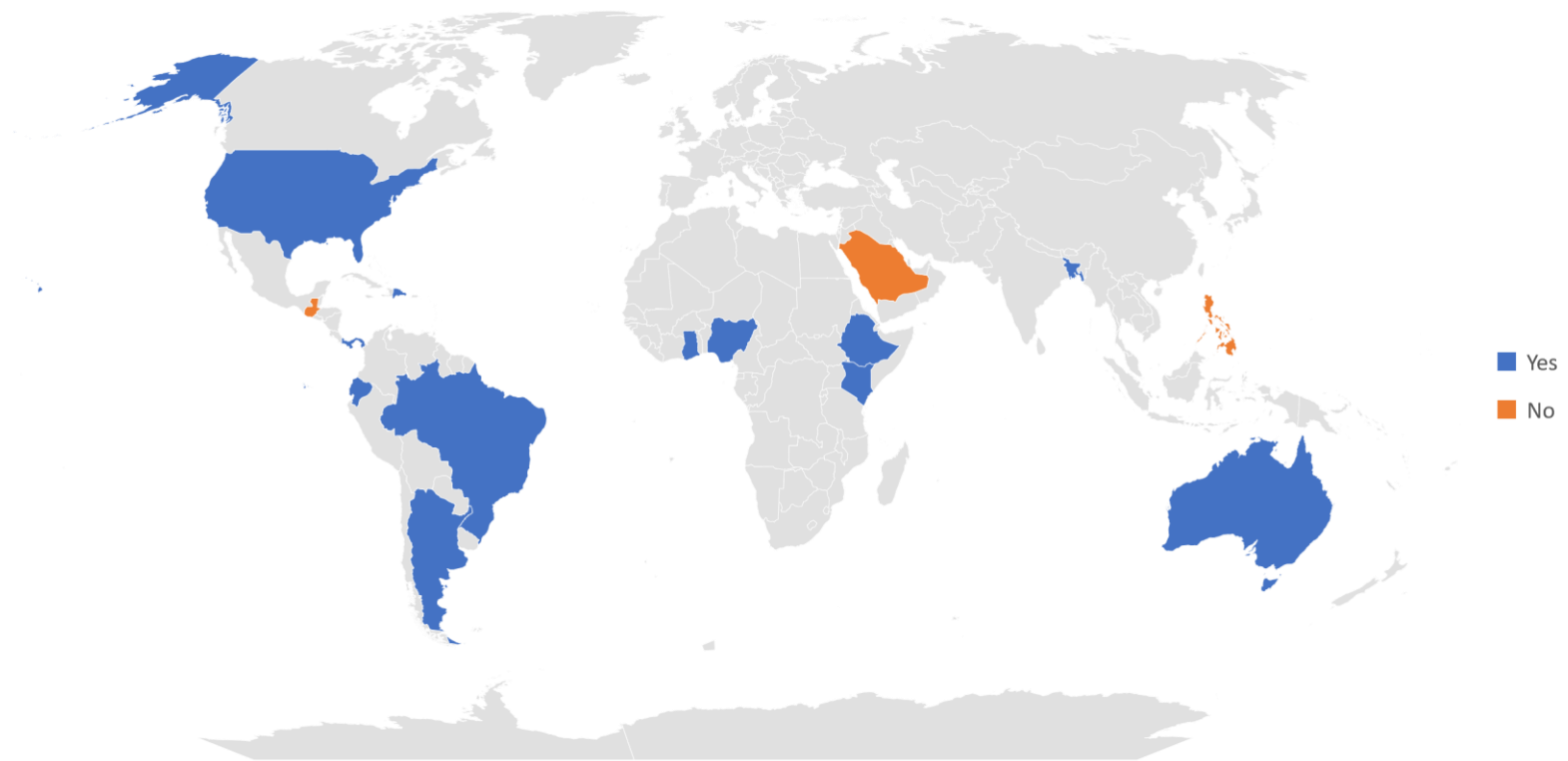
Agricultural Biotechnology Regulatory Decisions



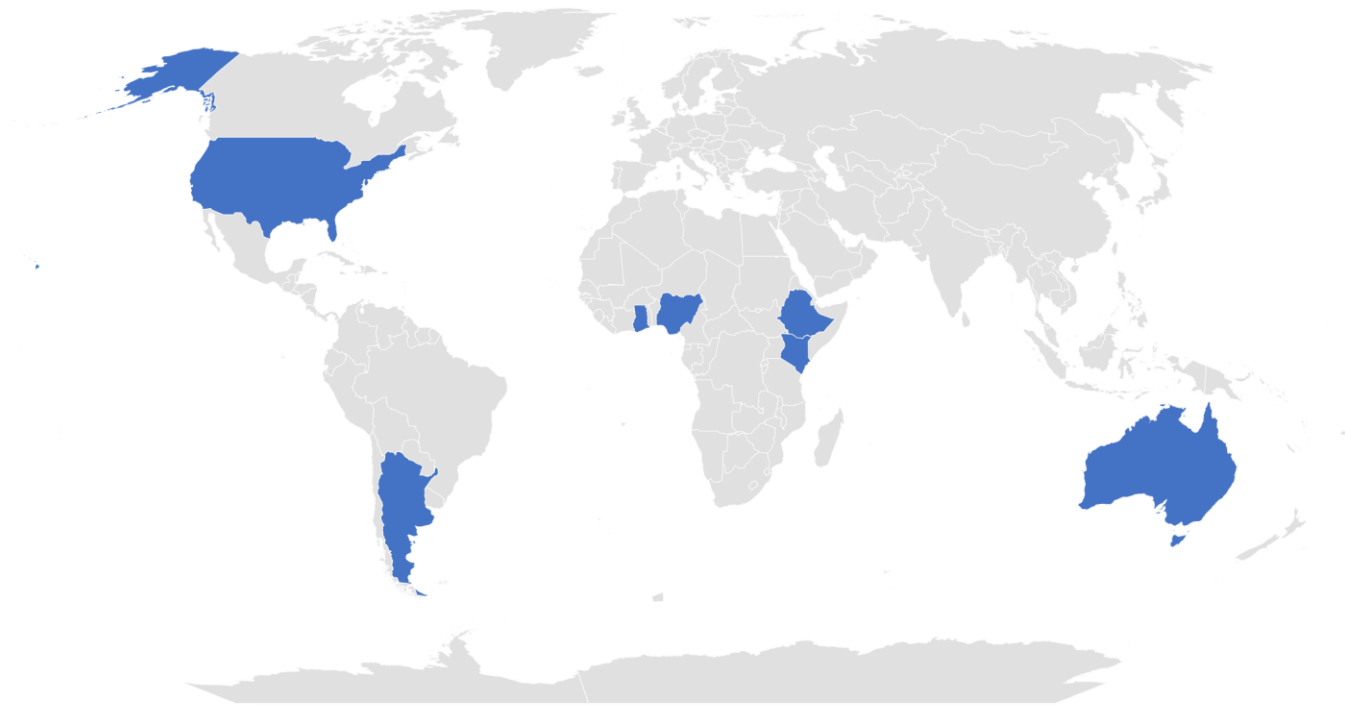
Agricultural Biotechnology Research



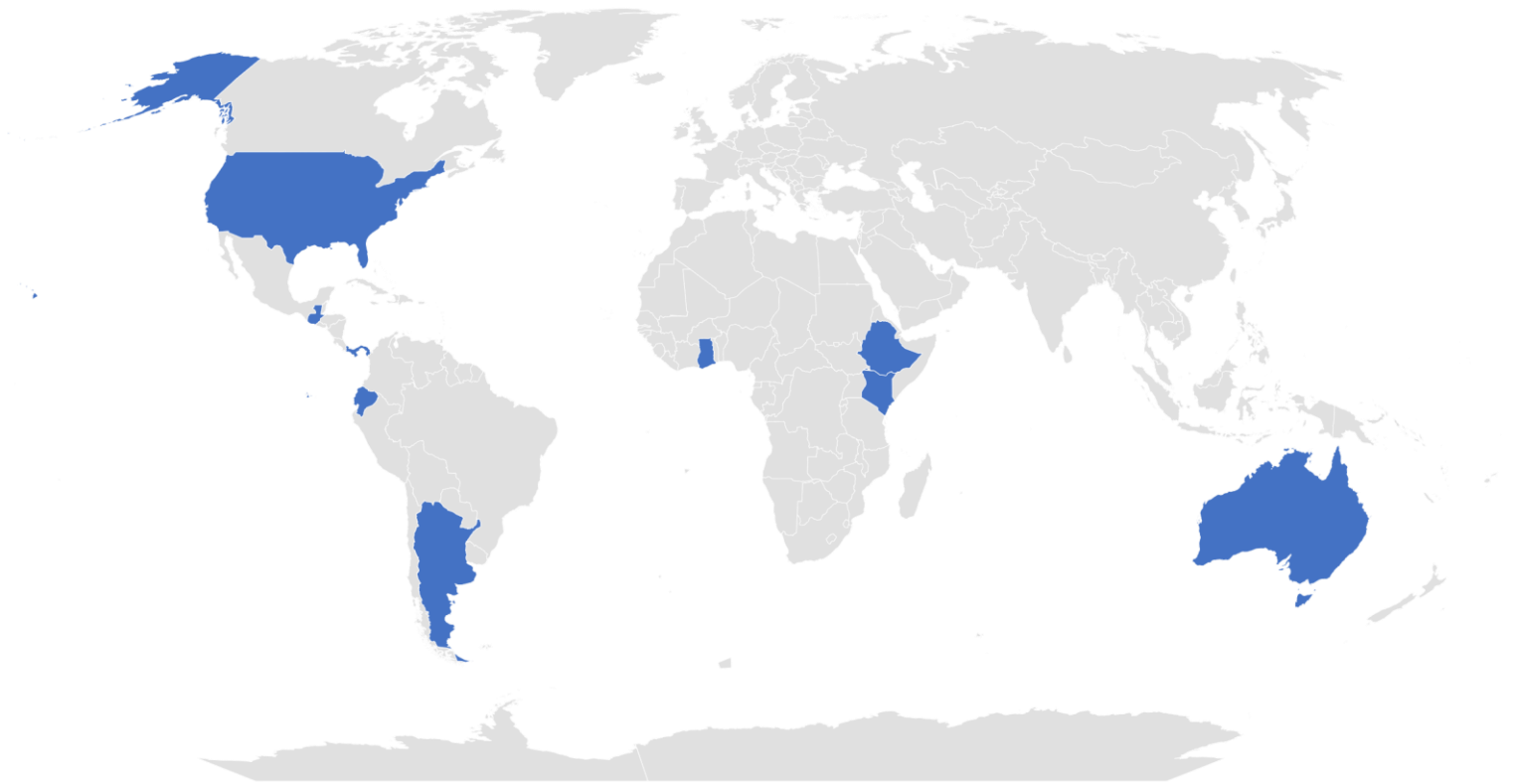
Statutory/Regulatory Framework for Animal Biotechnology



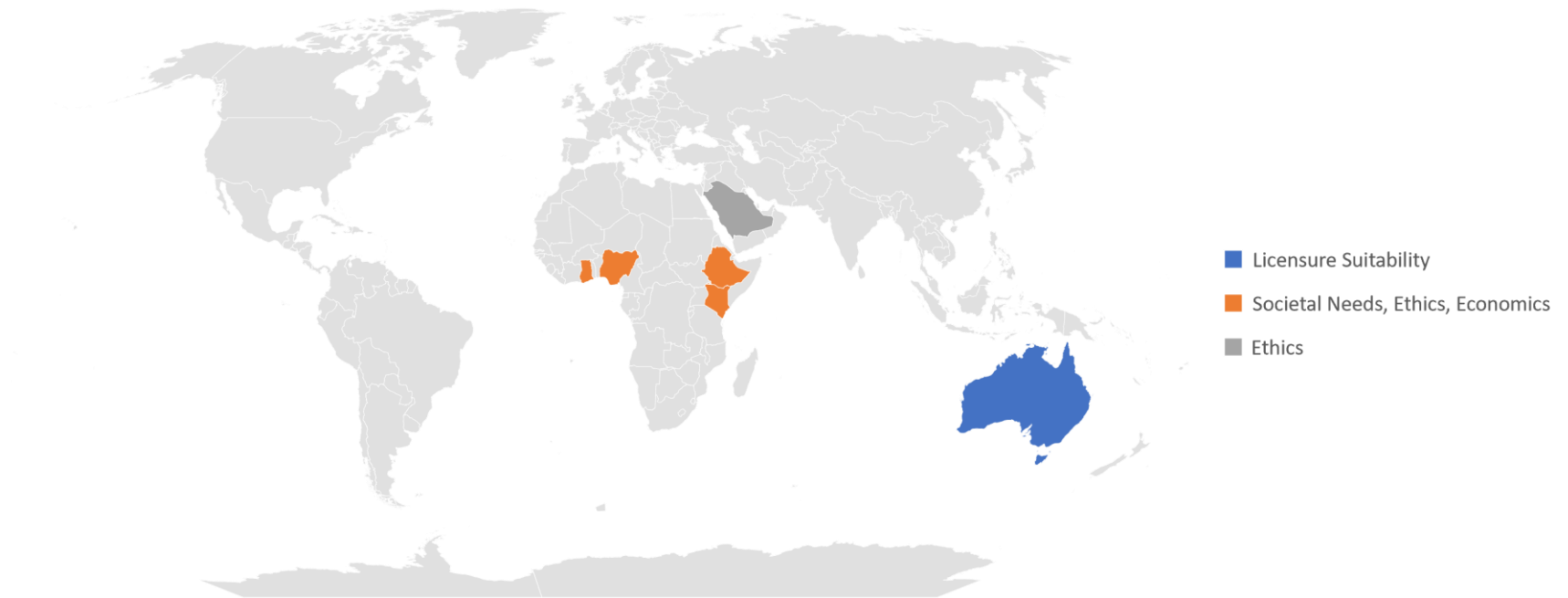
Regulatory Exemptions for Certain “Genome Edited” Animals



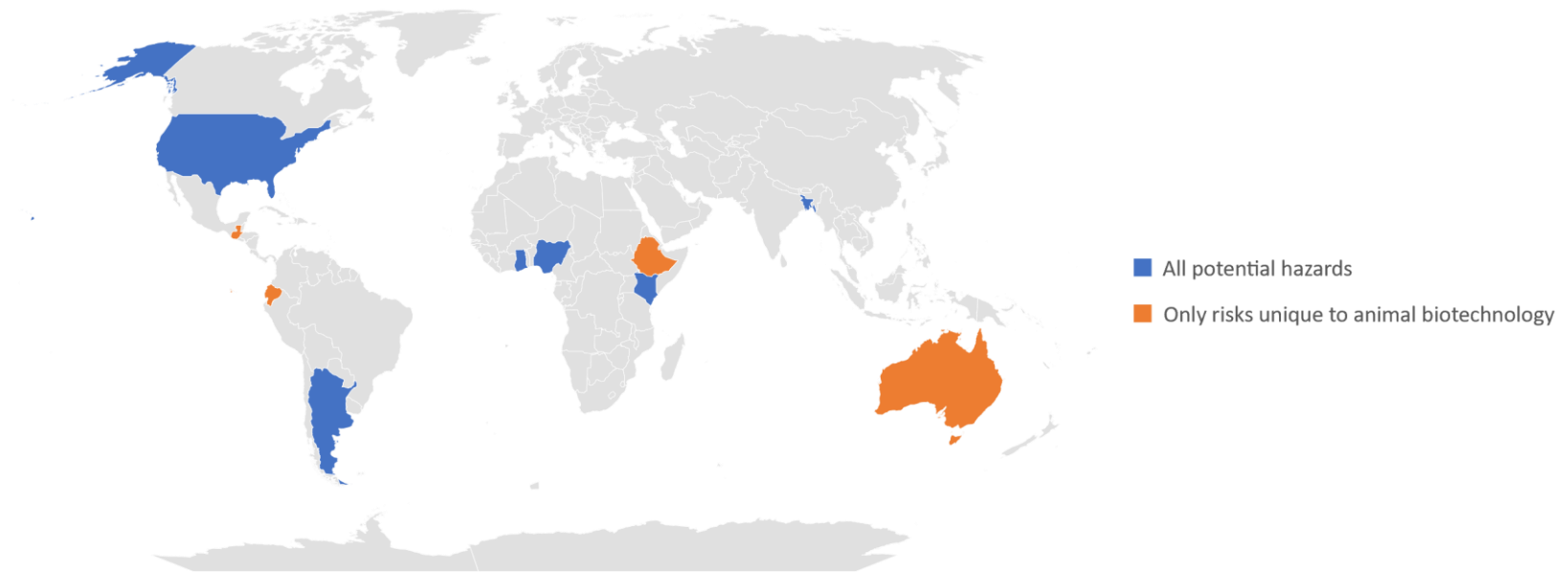
Provisions for Insects



Regulatory Considerations Beyond Safety



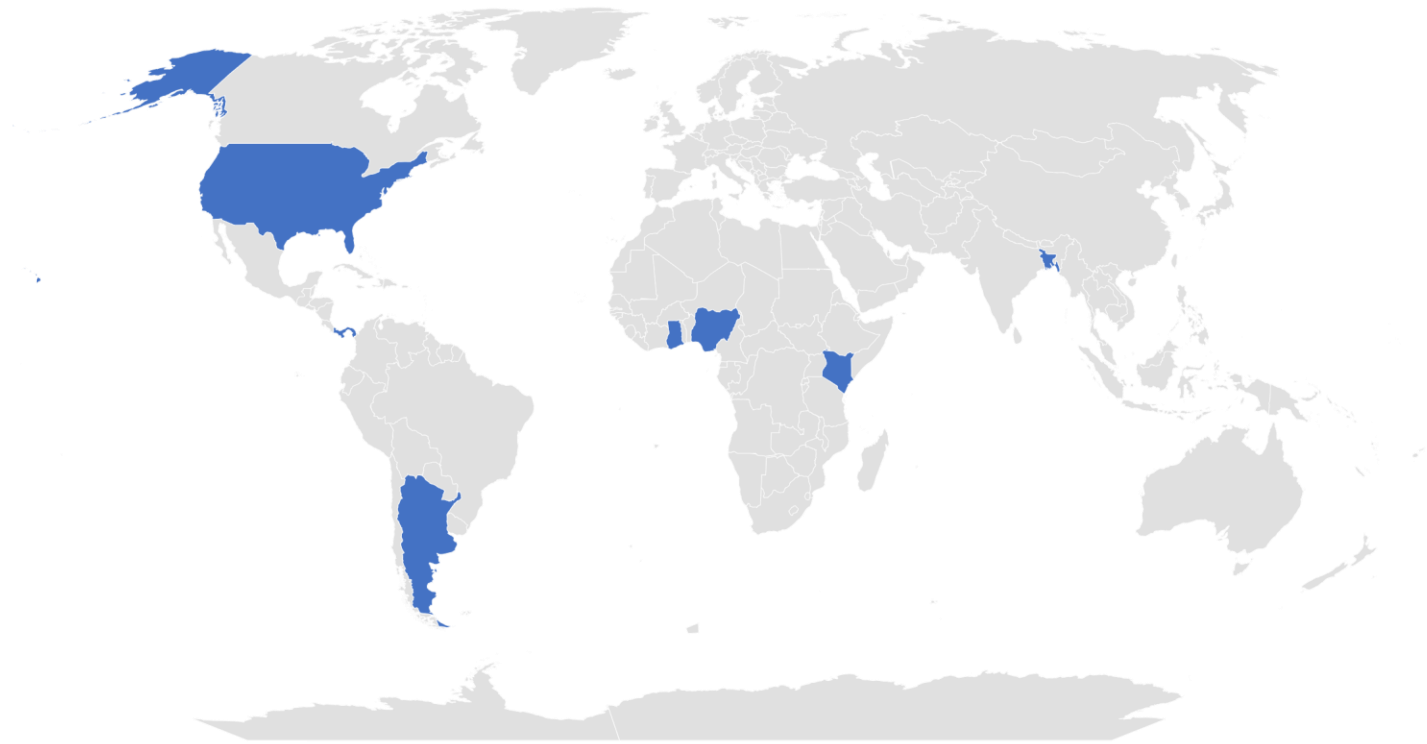
Risk Identification Criteria



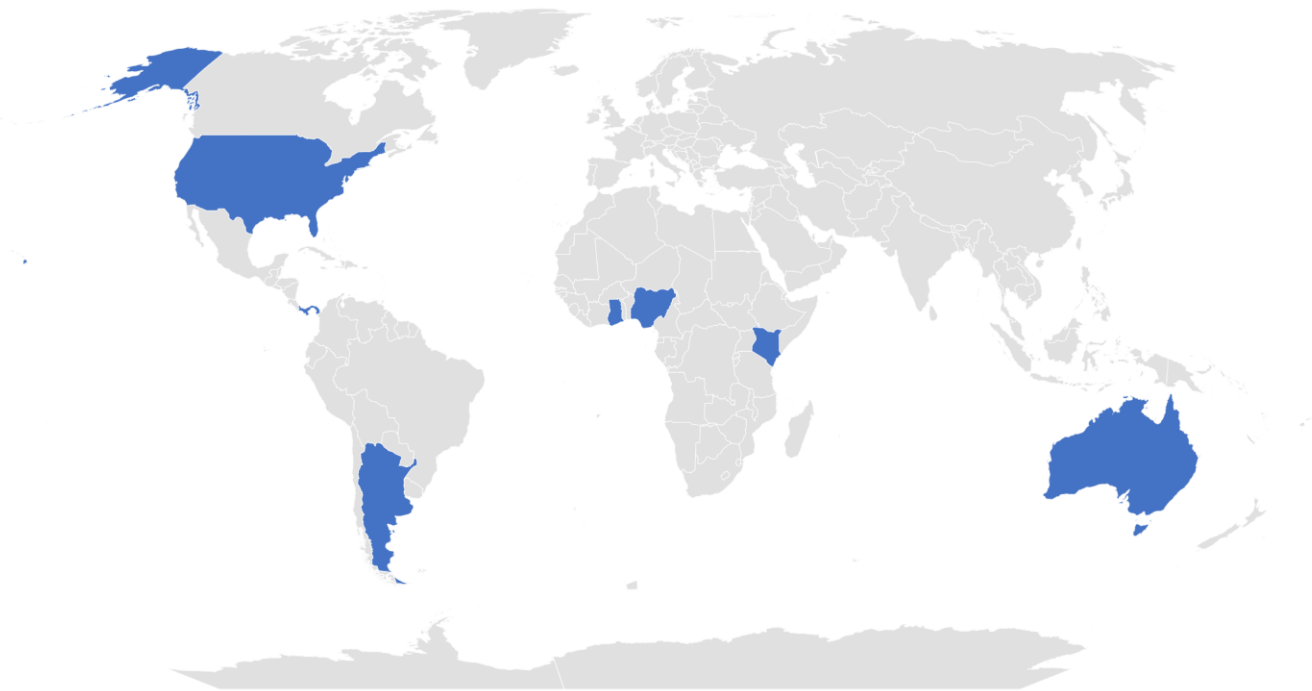
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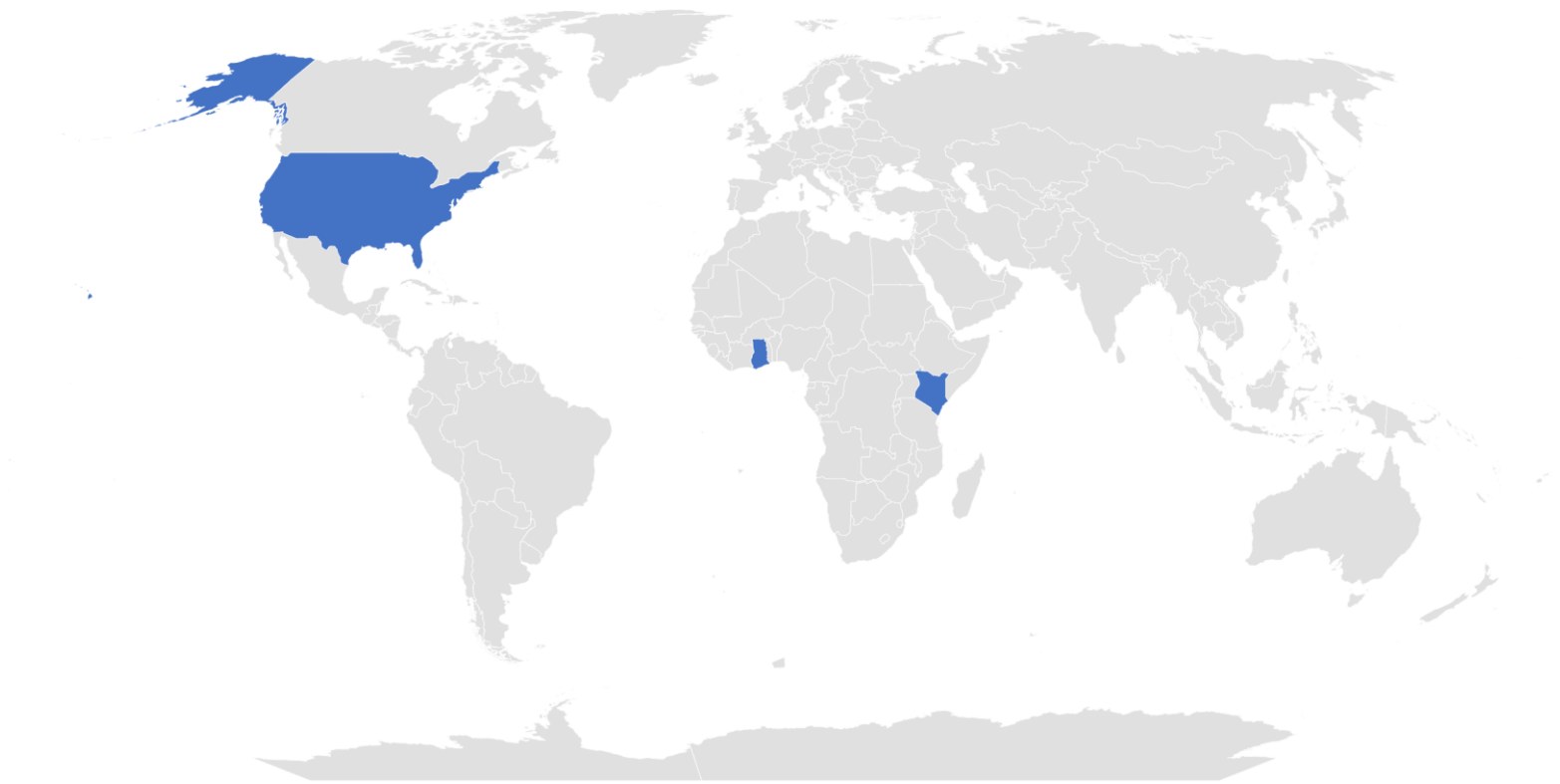
Consideration of Potential Benefits



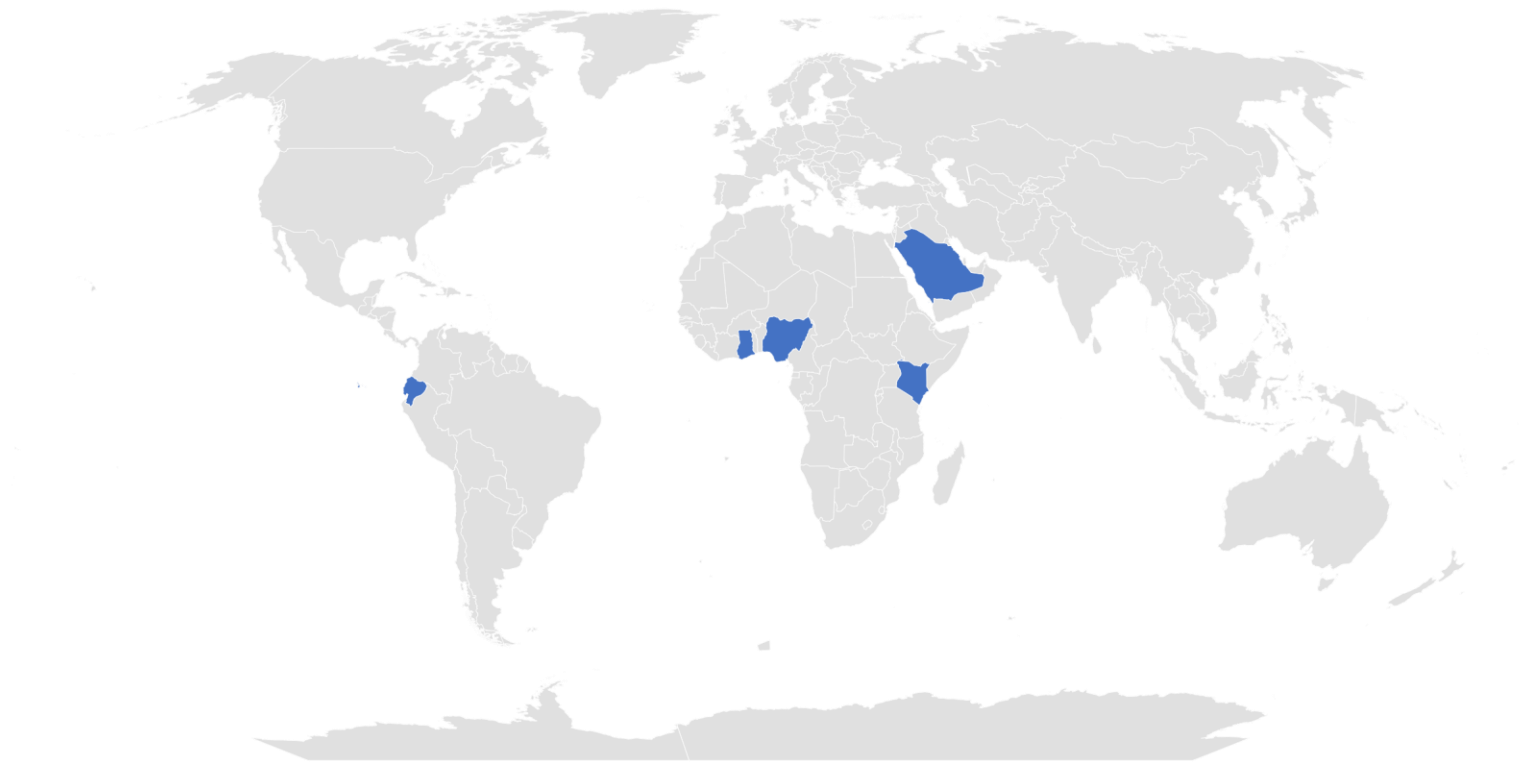
Provision for Deregulation



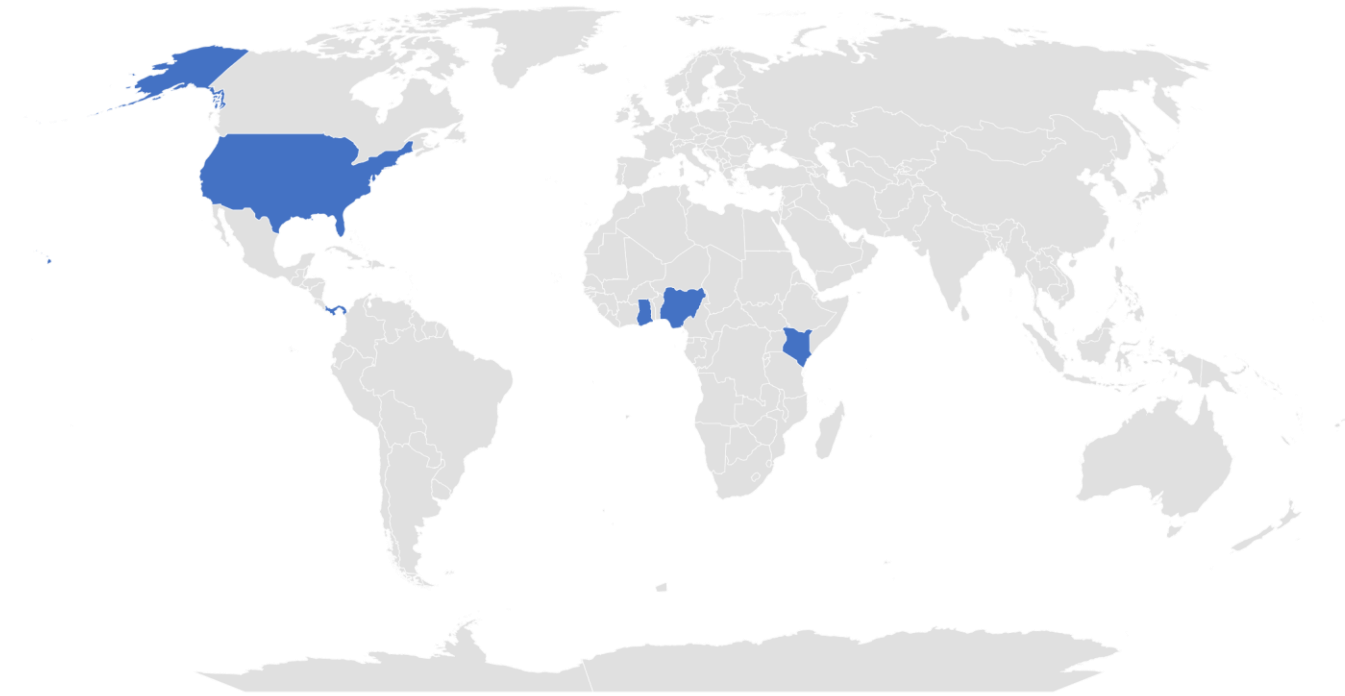
“Low Risk” Research Animals Can Enter Food Supply



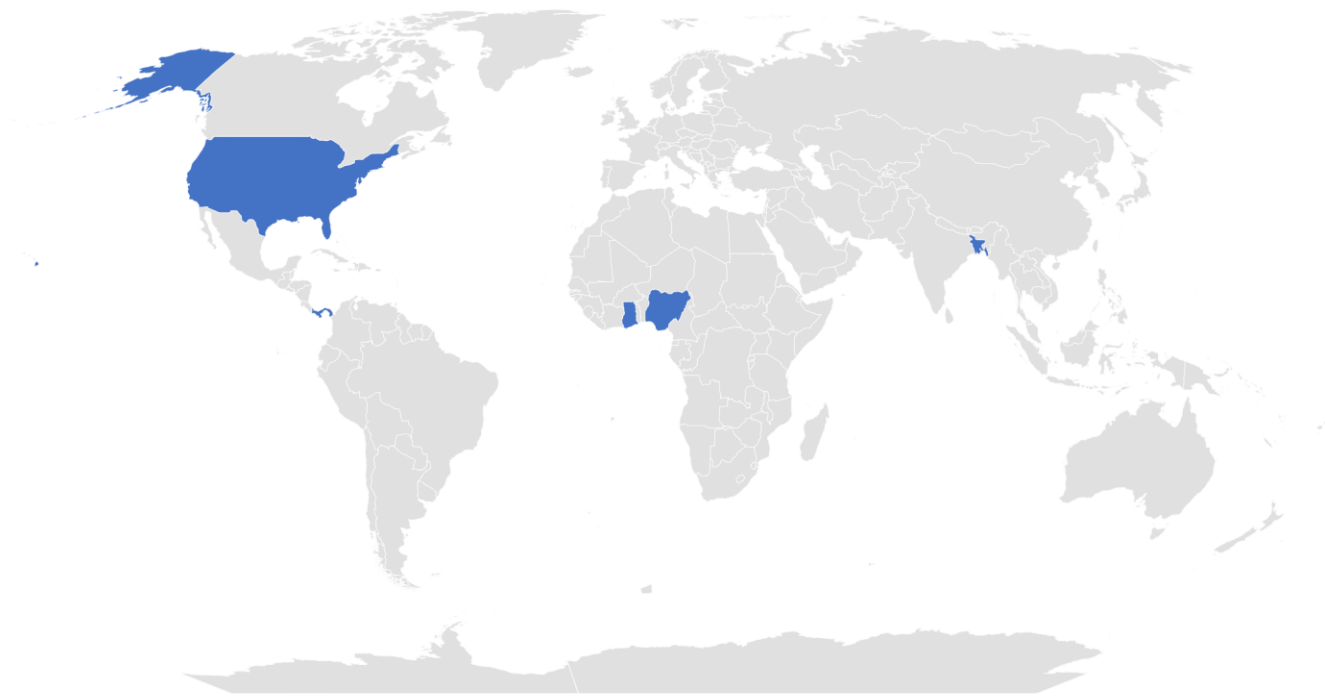
Consideration of Food Labeling



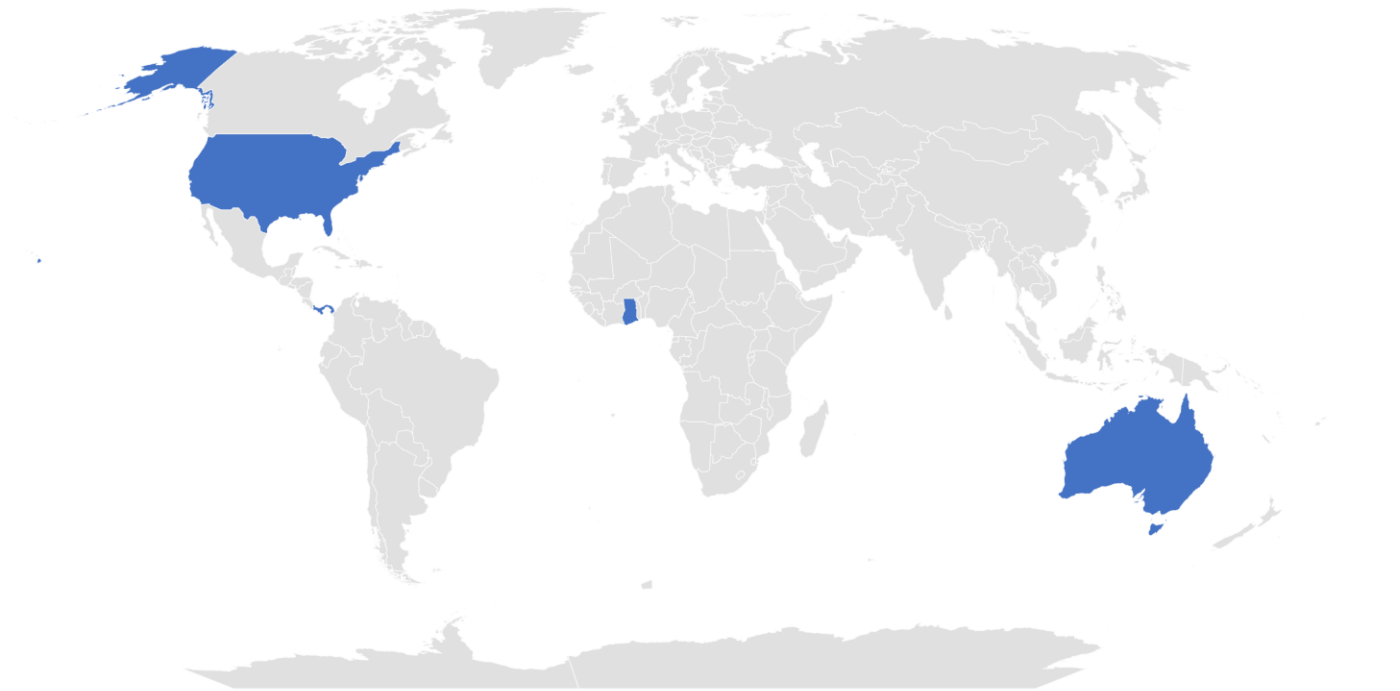
Consideration of Animal Health and Welfare in the Approval Process



Provisions for Post-Approval Monitoring



Animal Location/Number Reporting Requirements



Finally, what is the main driver of animal biotechnology Regulation?

- Australia: protecting health and safety of people and the environment from risks
- Guatemala: access to new technologies to produce food; provide scientifically proven assurance on the safety of biotechnologically obtained animals
- Kenya: all GMOs are subject to regulation under the Biosafety Act, 2009

Animal breeding has come a long way...

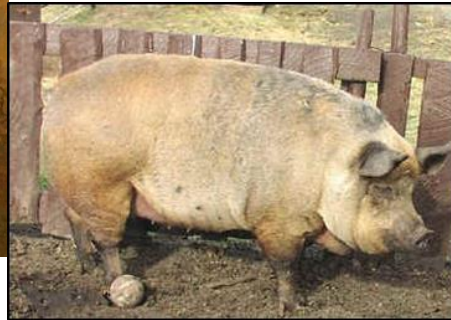
Domestication



1800's



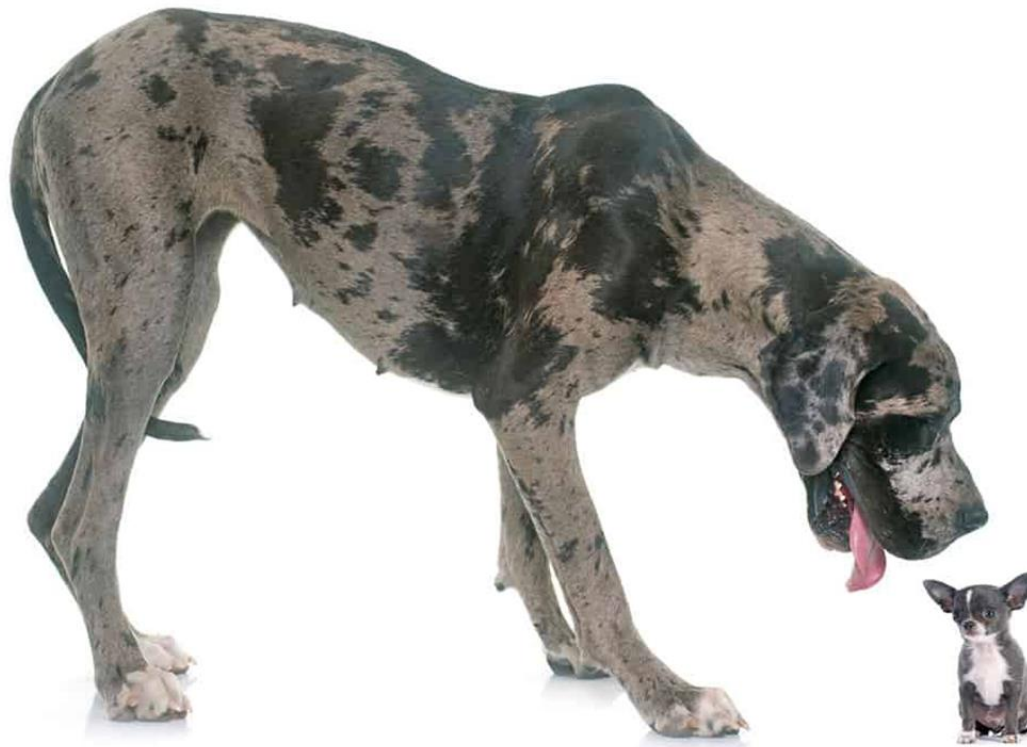
1940's



Today



Animal Biotechnology can take us even further



Thank you...

Questions?