

ICGEB Biosafety Group Activities

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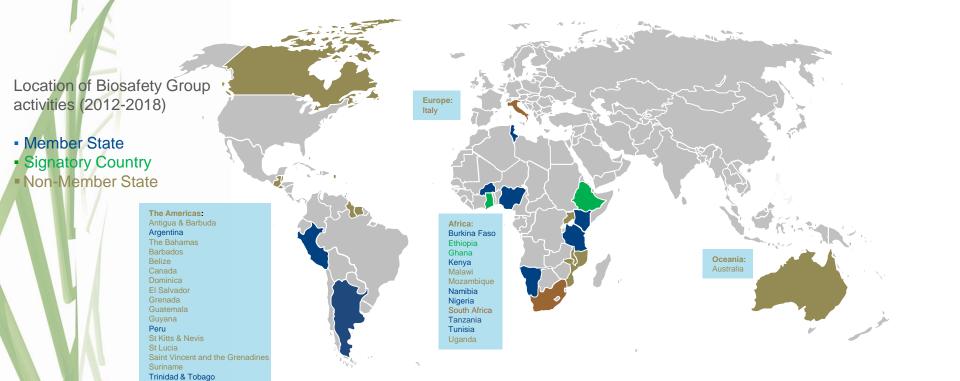
ICGEB's Instruments of Action

- Cutting-edge scientific research in its laboratories in Trieste, New Delhi and Cape Town
- Advanced education supported by long- and short-term fellowships for PhD students and post-docs
- Competitive research grants for scientists in Member States, including Early Career Return Grants
- Technology transfer to industry for the production of biotherapeutics and diagnostics
- Organisation of meetings, courses and workshops at the international level
- Provision of technical assistance and capacity enhancement in the regulation of biotechnology and its products



The Role of the Biosafety Group

To assist its Member States in their capacity to identify, regulate, manage, and monitor those products within their own countries





Capacity Enhancement Activities

Assisting the development of effective safety and regulatory systems for the products of modern biotechnology

Biosafety legislation and administrative systems

In-country working partnerships, mentored fora

Communication strategy and tools

Devising tailored public education and outreach strategies and technical content, e.g. radio spots, brochures, videos

 Training, both academic and vocational, in all aspects of GMO regulation

Regulatory experience exchange opportunities, In-country working partnerships, Masters in Biosafety fellowships, eLearning modules, mentored fora



Institutional capacity enhancement









- In-country working partnerships (IWPs)
- Regulatory experience exchange opportunities
- Masters fellowships in biosafety & eLearning
- Re-integration of academically-trained personnel into national regulatory systems
- Biosafety training workshops and mentored fora

















Biosafety Project for sub-Saharan Africa

Assisting the development of effective safety and regulatory systems for the products of modern biotechnology in selected countries of sub-Saharan Africa (SSA)



BILL & MELINDA GATES foundation







- 17 regulatory officials/scientists from African Project countries (4 ETH, 4 GHA, 3 NGA, 3 TZA and 3 UGA) completed the programme
- Research conducted under the Master Programme resulted in the generation of locally-relevant biosafety regulatory baseline information and data
- Majority of graduates now playing significant roles in national GMO regulatory decision-making processes
- **eLearning modules** developed to enable offering of a similar programme in **African HEIs**, as well as directly to **GMO regulatory offices** for *in house* training (later)













Biosafety Training Workshops and Mentored Fora

- 25+ workshops and fora delivered to date to over 500 biosafety regulatory officials and technical experts
- Meetings designed to address locally-relevant needs
- Follow-up to determine the extent to which the training and assistance improved approaches used in their day-to-day duties

The training activities include:

- Legal drafting
- Development of tools to enhance GMO regulation (forms, checklists, etc.)
- Devising regulatory administrative processes
- GMO risk analysis
- GMO containment & confinement (inspection & monitoring)
- Risk communication





Regulatory Working Experience



- Visits by African regulators and/or their scientific experts to established regulatory offices
- These visits provide opportunities for African regulatory officials to learn from established offices
- **15+ visits organised**, for periods ranging from 2 6 weeks











CANADIAN FOOD INSPECTION AGENCY





In-country Working Partnerships



- Direct in-country technical assistance to Project countries BFA, ETH, GHA, NGA, TZA & UGA
- By focusing on pressing and relevant needs, these IWPs have led to immediate enhancements of national biosafety regulatory capacity



Documents developed during these visits include:

- Inter-ministerial MOUs outlining roles and responsibilities
- Guidelines on dealing with the unintended presence of GMOs and GM products
- Environmental risk assessment guidelines
- Forms for Confined Field Trial and general release applications
- Checklists for handling CFT applications





Capacity Enhancement Activities

Assisted the UNEP-GEF "Regional Project for Implementing National

- Enhanced capacities of the small Caribbean Sub-region" biosafety legislation and administrative systems
- Developed the key elements for the elaboration of a regional as well as country-relevant communication strategy on the safe use of GMOs
- Provided relevant training in risk analysis









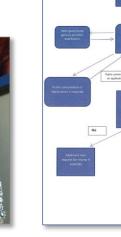
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Biosafety Legislation and Administrative Systems

- UWI/ICGEB mentored fora on:
 - Biosafety Legislation
 - Biosafety Regulations & Administrative Systems
 - Application of technical guidelines and support to the administrative systems
 - Food and feed risk assessment
 - Risk communication
 - Mock exercise in the analysis of a dossier
- A "best-fit" general model of an administrative system developed for managing LMOs, LMO-FFPs and contained use
- IWPs and Skype sessions, as well as 1-week visits to ICGEB HQ premises, provided technical support and coaching to project countries in the process of developing their own administrative systems

Production of **guidelines** to enable the project countries to operationalise their

administrative systems





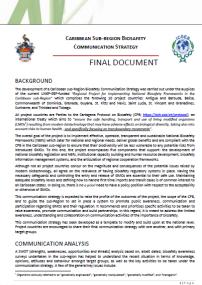




Communication Strategy and Tools

- Developed a public education and outreach strategy for the project to guide the development and sharing of public awareness material regarding biotechnology and biosafety.
- Developed technical content on biotechnology and biosafety for outreach materials such as: texts for radio spots (2), short video clips (10), video (1), newsletter, banners and brochures







Training in Risk Analysis

- UWI/ICGEB Biosafety Training Workshop held in Bridgetown, Barbados, in collaboration with the Government of Barbados
- UWI/ICGEB Regional Biosafety Workshop held in Castries, Saint Lucia
- UWI/ICGEB Biosafety Training Workshop held in Nassau, The Bahamas, in collaboration with the Bahamas Environment, Science & Technology (BEST) Commission















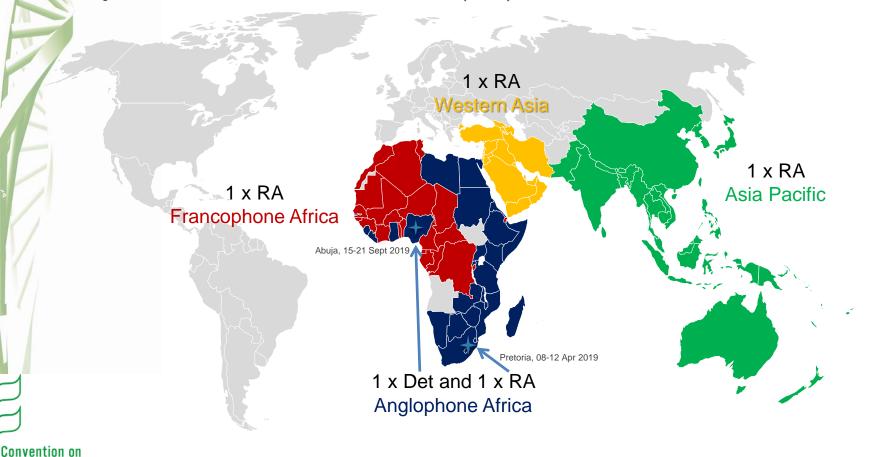
Biological Diversity

SAFEGUARDING LIFE ON EARTH

Collaboration with Secretariat of

Biosafety Group is providing 5 Reponal training workshops:

- Risk assessment (RA)
- GMO detection & identification (Det)

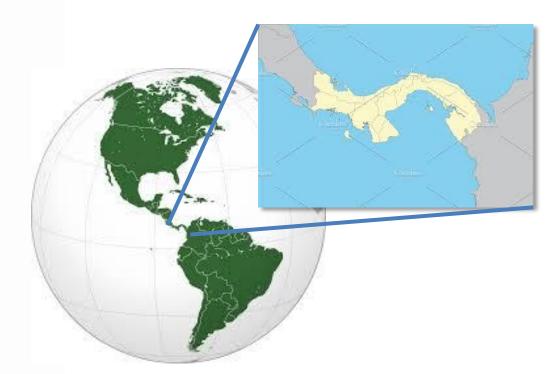




Collaboration with UN Environment

Supporting the Republic of Panamá, particularly the National Biosafety Commission (NBC) and its sectorial committees, to:

- complete the development and implementation of an updated regulatory and legal framework regarding GMOs, Norms/Regulations/Procedures, and
- analysis of border control (customs)







Institutional capacity enhancement

- · Immediate and mid-term
- Consultative approach
- Processes and personnel (experts/staff) integrated activities to develop and enhance systems
- Legacy empowerment and self-reliance



eLearning portfolio















Currently – 7 modules



https://showcase-icgeb.elearning.it/index.html

- Developed with funds from Bill & Melinda Gates Foundation
- Adopted by 6 African Regulatory Offices
- Transferring administration in SSA to AUDA
- Can be offering in other projects



Why collaborate with the ICGEB?

- Dedicated staff serving needs of Member States and project beneficiaries in unbiased, transparent and professional manner
- Highly-regarded by international community for providing high quality scientific and technical training in biosafety
- Strong associations with established GMO regulatory offices and staff, forming the basis of training and consultancy resources
- Complementary and close collaborations with like-minded technical assistance providers around the world
- Effective technical and finance administration in ensuring successful project implementation



Biosafety Group



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