

# THE ORGANIZATION OF AMERICAN STATES INITIATIVES IN BIOTECHNOLOGY AND BIOSAFETY

2002-2006

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III Coordination Meeting  
for Governments and  
Organizations Implementing  
Funding Biosafety Capacity-  
Building Activities",  
26-28 February 2007  
Lusaka, Zambia.



■ **THE BIOTECHNOLOGY ADVANCES AND THE IMPACTS OF THIS KNOWLEDGE IN OUR SOCIETY MAKES NECESARY THAT IN A COORDINATE EFFORT, THE PRODUCTIVE SECTOR, THE INTERNATIONAL AGENCIES, THE FINANCING AGENCIES , THE RESEARCH INSTITUTIONS, THE UNIVERSITIES AND THE GOVERNMENTS WORK TOGETHER TO ACCOMPLISH THE AGREEMENTS OF THE CARTAGENA BIOSAFETY PROTOCOL**

■ **THIS REQUIERES DEVELOPMENT OF INITIATIVES TO INCREASE THE HUMAN AND TECHNICAL CAPACITIES AT ALL LEVELS, TO UNDERSTAND THE BENEFITS AND POSSIBLE RISKS OF THIS TECHNOLOGY.**

■ **SPECIALLY THE PUBLIC , WHICH IS THE MAIN FINAL RECEPTOR OF THIS ADVANCES**

# **ORGANIZATION OF AMERICAN STATES INITIATIVES IN BIOTECHNOLOGY**

## **I. BIOSAFETY REGULATIONS IN LATIN AMERICA AND THE CARIBBEAN WITHIN THE FRAMEWORK OF THE INTERNATIONAL BIOSAFETY PROTOCOL, 2002-2003**

# OBJECTIVES

- **STRENGTH NATIONAL SKILLS IN RISK ASSESSMENT AND MANAGEMENT OF BIOTECHNOLOGY FOOD PRODUCTS**
- **BUILD UP PUBLIC AWARENESS ABOUT BIOTECHNOLOGY BENEFITS AND RISKS, WITH THE ULTIMATE GOAL TO PROMOTE ITS SAFE AND SUSTAINABLE USE**

## THE PROJECT WAS FOCUSED ON:

- **THE EVALUATION OF THE POLICIES AND REGULATORY SYSTEMS IN CHILE, PERU AND COLOMBIA;**
- **IDENTIFICATION OF THE TRAINNING NEEDS;**
- **ORGANIZATION OF A SERIES OF BIOSAFETY SEMINAR-WORKSHOPS IN THE THREE COUNTRIES, WITH THE PARTICIPATION OF WORLD WIDE DISTINGUISHED EXPERTS**

# ACTIVITIES

- **SPECIALISED CONSULTANTS DEVELOPED STUDIES IN COLOMBIA, CHILE AND PERU TO:**
- **EVALUATE THE LEGAL AND INSTITUTIONAL INFRESTRUCTURE IN BIOSAFETY;**
- **ESTABLISH THE METODOLOGY FOR SOCIO-ECONOMICAL STUDIES;**
- **DEFINE THE NEEDS FOR CAPACITY BUILDING IN BIOSAFETY;**
- **PROPOSE NATIONAL PROGRAMS FOR CAPACITY BUILDING IN BIOSAFETY IN THE PARTICIPANT COUNTRIES**

■ DURING THE SECOND YEAR AND BY REQUESTMENT OF THE COUNTRIES, THE PROJECT WAS EXTENDED TO OTHER SIX CENTRAL AMERICA AND CARIBBEAN COUNTRIES.

■ COSTA RICA, JAMAICA, GRENADA, MEXICO, PANAMA, TRINIDAD AND TOBAGO

# RESULTS

**THE INITIATIVE PROVIDED  
INFORMATION TO IDENTIFY THE  
WEAKNESSES AND NEEDS FOR  
THE ESTABLISHMENT OF THE  
BIOSAFETY PROTOCOL IN EACH  
PARTICIPATING COUNTRY**

# RESULTS

- **DEFINED THE SPECIFIC TRAINING NEEDS AND GAVE THE BASES FOR THE DESIGN OF GENERAL OUTLINES OF BIOSAFETY TRAINING PLANS, TO CONTRIBUTE TO AN EFFICIENT IMPLEMENTATION OF THE INTERNATIONAL BIOSAFETY PROTOCOL**
- **ALLOWED EFFICIENT COOPERATION LINKAGES AND CONTRIBUTED TO REINFORCE THE IMPORTANCE OF BIOSAFETY, FOR NATIONAL DEVELOPMENT AND THE PRESERVATION OF LOCAL BIODIVERSITY**

**■ PROMOTED COORDINATE ACTIONS BETWEEN  
THE COUNTRIES FOR A BETTER  
IMPLEMENTATION OF THE PROTOCOL AT THE  
REGIONAL LEVEL**

**■ ORGANIZED MEETINGS, INCLUDING  
INTERNATIONAL EXPERTS, THE MAIN  
REPRESENTATIVES OF REGULATORY AND  
ACADEMIC INSTITUTIONS, BUSINESS  
ENTERPRISES, NGOs, AND CONGRESSMEN TO  
DISCUSS SCIENTIFIC AND TECHNOLOGICAL  
MATTERS TO PROMOTE BIOTECHNOLOGY AND  
TO PROTECT BIODIVERSITY.**

# **ORGANIZATION OF AMERICAN STATES** **INITIATIVES IN BIOTECHNOLOGY**

## **II. CAPACITY BUILDING FOR THE SAFE AND SUSTAINABLE USE OF BIOTECHNOLOGY, WITHIN THE FRAMEWORK OF THE BIOSAFETY PROTOCOL**

# **BIOSAFETY PROTOCOL**

**THE PROJECT WAS BASED ON ARTICLE 22 OF  
THE CARTAGENA PROTOCOL:**

**COOPERATION MECHANISMS WILL BE  
IMPLEMENTED TO INCREASE AND TO  
REINFORCE THE HUMAN RESOURCES AND  
THE INSTITUTIONAL CAPACITIES IN  
BIOSAFETY INCLUDING  
BIOTECHNOLOGY, IN THE LESS  
DEVELOPED COUNTRIES.**

■ **THE PROJECT WAS DESIGNED TO WORK  
WITH WORLD WIDE AND REGIONAL  
HIGHLY QUALIFIED EXPERTS,**

■ **TO TRAIN IN COURSES AND SEMINARS,  
PROFESSIONALS FROM GOVERNMENTS,  
UNIVERSITIES AND THE  
PRIVATE SECTOR**

■ **EMPHASIS WAS GIVEN TO LESS  
DEVELOPED COUNTRIES.**

- **THE OAS FUNDING WAS ONLY SEED MONEY,**
- **COOPERATION AND SUPPORT OF OTHER INSTITUTIONS OR PROJECTS WITH SIMILAR OBJECTIVES FOR BIOTECHNOLOGY DEVELOPMENT IN THE REGION WAS A REQUIREMENT**

# OBJECTIVE

**THE OBJECTIVE WAS TO REINFORCE THE NATIONAL AND REGIONAL CAPACITIES IN:**

- **THE EVALUATION AND HANDLING OF GMOs RISKS,**
- **THE MANAGEMENT AND INNOVATION OF THE AGRO-FOOD BIOTECHNOLOGY INDUSTRY,**
- **PUBLIC AWARENESS ABOUT GMOs AND**
- **THE GENERATION OF INFORMATION FOR NATIONAL AND INTERNATIONAL NETWORKS IN BIOSAFETY THAT INCLUDE THE PUBLIC AND PRIVATE SECTOR AND UNIVERSITIES**

# PARTICIPANT COUNTRIES

ARGENTINA, BRAZIL, COLOMBIA,  
CHILE, COSTA RICA, ECUADOR,  
GRENADA, JAMAICA, MÉXICO,  
NICARAGUA, PANAMA,  
PARAGUAY, PERU, EL SALVADOR  
AND TRINIDAD & TOBAGO

# ADDRESSED

**PROFESSIONALS WORKING IN GOVERNMENTS  
INSTITUTIONS, IN AREAS RELATED TO  
BIOTECHNOLOGY INCLUDING MINISTRIES,  
REGULATORY, PATENTS, INNOVATION AND FOMENT  
OFFICES AND RESEARCH INSTITUTES;**

**UNIVERSITIES SCIENTISTS AND GRADUATE STUDENTS**

**DECISION MAKERS ;BUSINESS EXECUTIVES,**

**INDUSTRY ENTREPRENEURS;**

**JOURNALISTS AND ADVISERS FROM DEPUTIES AND  
SENATORS**

# ACTIVITIES

- ORGANIZATION OF TRAINNING COURSES AND SEMINARS;
- PUBLICATION OF REPORTS, PAPERS AND BOOKS ON THE TOPICS COVERED BY THE PROJECT;
- IMPLEMENTATION OF A WEB PAGE;
- ADVISING TO PARLIAMENTS IN THE DISCUSSION OF BIOTECHNOLOGY AND BIOSAFETY LAWS.

# COURSES AND SEMINARS

- **THE PROJECT ORGANIZED THE FOLLOWING COURSES AND SEMINARS:**
- **RISK ANALYSIS FOR PLANTS WITH NOVEL TRAITS AND FOOD SAFETY: PANAMA CITY, SEPTEMBER, 2004;**
- **BIOSAFETY, MONITORING AND SEGREGATION OF GMOs AND NON GMOs GRAINS AND SEEDS. BUENOS AIRES, ARGENTINA. 2004;**

# COURSES AND SEMINARS

- **DETECTION OF GMOs IN SEEDS, GRAINS AND FOOD: REGULATORY FRAMEWORK, BARUTA VENEZUELA, APRIL, 2005;**
- **PUBLIC PERCEPTION IN LATIN-AMERICA, PORTO ALEGRE, BRASIL, SEPTEMBER, 2005;**
- **INNOVATION AND MANAGEMENT IN AGROBIOTECHNOLOGY , BOGOTA, OCTOBER, 2005;**
- **INNOVATION, MANAGEMENT AND COMMERCIALIZATION IN BIOTECHNOLOGY , SANTIAGO, CHILE , NOVEMBER 28- DECEMBER 2**

# **RISK ANALYSIS FOR PLANTS WITH NOVEL TRAITS AND FOOD SAFETY**

**PANAMA CITY, SEPTEMBER, 2004**

- **REGULATORY FRAME;**
- **RISK ASSESSMENT OF FOOD DERIVED FROM  
GMOs PLANTS ;**
- **PUBLIC PERCEPTION AND COMMUNICATION  
OF THE RISK;**
- **TRANSGENIC CROPS DESIGNED TO PRODUCE  
DRUGS AND INDUSTRIAL CHEMICALS;**
- **BIOLOGICAL COMPOUNDS OBTAINED BY  
BIOTECHNOLOGY FOR VETERINARY USE;**
- **CASE STUDIES**

# **RISK ANALYSIS FOR PLANTS WITH NOVEL TRAITS AND FOOD SAFETY**

**PANAMA CITY, SEPTEMBER, 2004**

**DR. SUBHASH GUPTA, APHIS-USDA;  
DR. MARGARET JONES, USDA-APHIS;  
DR. WILLIAM YAN, HEALTH CANADA  
Dr. RICHARD LEVINE;  
ING. JUAN C. BATISTA, SENASA- ARGENTINA;  
DRA. CLAUDIA FORERO, ICA, COLOMBIA;  
DR. LIONEL GIL, UNIVERSIDAD DE CHILE,  
DR. MARILIA NUTTI ,EMBRAPA, BRAZIL**

**GMOS AND NON GMOS GRAINS AND SEEDS.**

**BUENOS AIRES, ARGENTINA.**

**SEPTEMBER, 2004**

- **THEORETICAL AND PRACTICAL ASPECTS OF DETECTION AND QUANTITATION OF GMOs IN GRAIN AND SEEDS INCLUDING REAL TIME PCR METHODS;**
- **THEORETICAL AND PRACTICAL ANALYSIS OF SEGREGATION OF GMOs AND NON GMOs GRAINS AND SEEDS**
- **VISITS TO THE FACILITIES OF COMPANIES AND PORTS INVOLVED IN SEGREGATION PROCESSES .**

# **BIOSAFETY, MONITORING AND SEGREGATION OF GMOS AND NON GMOS GRAINS AND SEEDS.**

**BUENOS AIRES, ARGENTINA. 2004**

- **Dr Alejandro Tozzini, INTA-Argentina,**
- **Dr Heather Arbuckle (CFIA, Canada).**
- **Graham Head, Monsanto USA,**
- **Carlos L. Camaño, SENASA.**
- **Dr. Moises Burachik SAGPyA, Argentina.**
- **Dr. Perla Godoy SAGPyA, Argentina.**



# BIOSAFETY, MONITORING AND SEGREGATION OF GMOs AND NON GMOs GRAINS AND SEEDS.



BUENOS AIRES, ARGENTINA. 2004





# **DETECTION OF GMOs IN SEEDS, GRAINS AND FOOD: REGULATORY FRAMEWORK, BARUTA VENEZUELA, APRIL, 2005;**



**INNOVATION, MANAGEMENT AND  
COMMERCIALIZATION IN BIOTECHNOLOGY  
NOVEMBER 28-30,2005  
SANTIAGO, CHILE**

- **INNOVATION AS STRATEGY TO COMPITE;**
- **EXTERNAL ANALYSIS OF OPORTUNITIES AND RISKS;**
- **PLANNING INNOVATION PROJECTS;**
- **DIRECTION AND CONTROL OF TECHNOLOGICAL INNOVATION PROJECTS;**
- **REGIONAL AND SECTOR STRATEGIES TO STRENGTH DEVELOPMENT OF BIOTECHNOLOGY COMPANIES**
- **EVALUATION METHODS FOR NEW IDEAS TO START UP BIOTECHNOLGY COMPANIES**
- **CASE STUDIES**



# INTERNATIONAL COURSE INNOVATION, MANAGEMENT AND COMMERCE IN BIOTECHNOLOGY



NOVEMBER ,28-30,2005  
SANTIAGO, CHILE



# **INNOVATION, MANAGEMENT AND COMMERCE IN BIOTECHNOLOGY SANTIAGO, CHILE, DECEMBER 2005**

- **VALORIZATION OF THE RESULTS OBTAINED BY  
THE SCIENTIFIC RESEARCH.**
- **BIOTECHNOLOGY AND COMMERCE: A GLOBAL  
OVERVIEW**
- **LATIN-AMERICA A DEVELOPMENT REGION IN  
BIOTECHNOLOGY**
- **FINANCING AND ENTREPRENEURSHIP**
- **BIOMEDICINE FROM THE LABORATORY TO THE  
MARKET**
- **EDUCATION, RESEARCH AND COMPANIES, THE  
INTERACTIONS**



# INTERNATIONAL SEMINAR INNOVATION, MANAGEMENT AND COMMERCE IN BIOTECHNOLOGY 1-2, DECEMBER 2005, SANTIAGO, CHILE

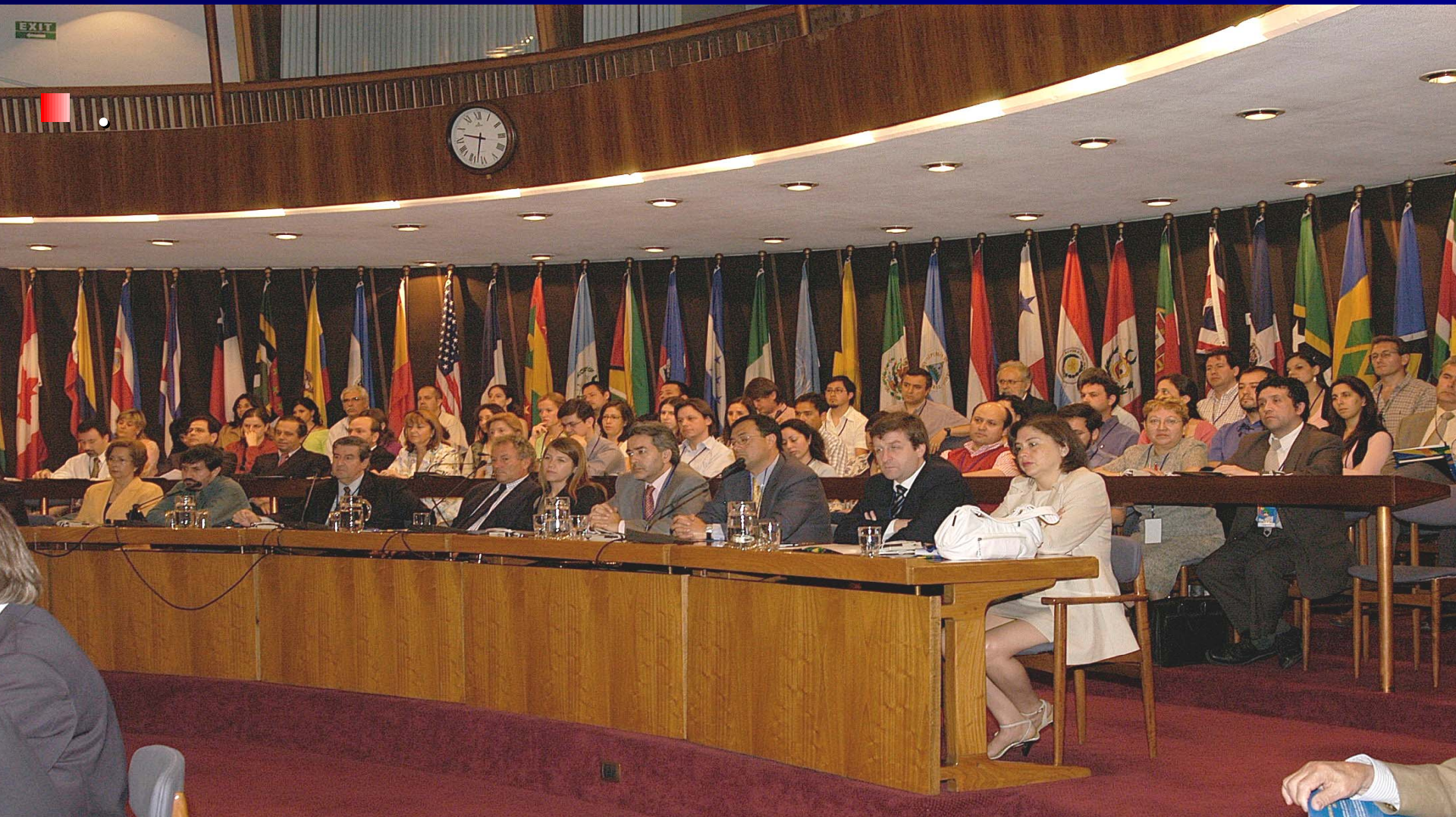


**DANIELLE BENERMAN ,FRANCE**  
**NICOLE BURLE, FRANCE**  
**CHRISTIAN POLICARD , FRANCE**  
**SIXTINA GIL, FRANCE**  
**KALIDAS SHETTY, USA**  
**STEPHEN ALDRICH. USA**  
**FERNANDO QUEZADA USA**  
**TEO FORCHT, USA**  
**ROY THOMASON USA**  
**VICTOR LINK, CANADA**  
**SAMUEL ABRAHAM , CANADA**  
**UTZ DORNBERGER, GERMANY**  
**MARCELO ARGUELLES, ARGENTINA**  
**F. ROZANSKY, ARGENTINA**  
**WIN DEGRAVE, BRASIL**  
**PAEZ DE CARVALHO, BRASIL**  
**MARCELO ARGUELLES, ARGENTINA**  
**T. SANGUINETTI, URUGUAY**





# INTERNATIONAL SEMINAR INNOVATION, MANAGEMENT AND COMMERCE IN BIOTECHNOLOGY 1-2, DECEMBER 2005, SANTIAGO, CHILE



# WEB PAGE

- THE PROJECT IMPLEMENTED A WEB PAGE PROVIDING IMPORTANT INFORMATION IN BIOSAFETY AND BIOTECHNOLOGY FOR NATIONAL AND INTERNATIONAL NETWORKS;
- INCLUDE CONSULTANCY WORK DONE IN NINE LATIN-AMERICAN COUNTRIES ABOUT BIOSAFETY REGULATIONS, NEEDS TO IMPLEMENT THE CARTAGENA PROTOCOL, NEEDS IN BIOSAFETY AND IN BIOTECHNOLOGY CAPACITY BUILDING;
- TEACHING MATERIAL AND PRESENTATIONS IN POWER POINT GENERATED IN THE COURSES AND SEMINARS;
- PROJECTS REPORTS, FUTURE ACTIVITIES, LINK TO OTHER BIOTECHNOLOGY WEB SITES, AND NEWS.

# **Strategies, Tools and Approaches Used to Promote Regional Cooperation.**

# **NORTH-SOUTH AND SOUTH-SOUTH COOPERATION**

- **THE PROJECT HAS STRENGTH THE NORTH-SOUTH COOPERATION, THROUGH THE COLLABORATION OF INSTITUTIONS SUCH AS: CFIA, HEALTH CANADA, BC CANCER AGENCY FROM CANADA, USDA-APHIS AND ILSI, USA, INSTITUTE PASTEUR, FRANCE, UNIVERSITY OF LEIPZIG, GERMANY.**
- **SOUTH-SOUTH INTERACTIONS WERE STRENGTH BY COLLABORATION WITH INSTITUTIONS FROM ARGENTINA: SAGPYA, SENASA, INIA AND CONABIA, BRAZIL, EMBRAPA; COLOMBIA, ICA; VENEZUELA, IDEA, CHILE, CONICYT , CORFO AND UNIVERSITY OF CHILE.**

# **COLLABORATION WITH ENTERPRISES AND RELATED ASSOCIATIONS**

- **THE PRIVATE SECTOR HAS ACTIVELY COLLABORATED INCLUDING SEVERAL BIOTECHNOLOGY COMPANIES AND DIFFERENT INTERPRISE ASSOCIATIONS SUCH AS:**
- **LATIN-AMERICAN FEDERATION OF BIOTECHNOLOGY COMPANIES( FELAEB) ;**
- **CHILEAN ASSOCIATION OF BIOTECHNOLOGY COMPANIES (ASEMBIO);**
- **CHILEAN ASSOCIATION OF SEED PRODUCERS (ANPROS);**
- **CHILEAN ASSOCIATION OF ENVIRONMENTAL COMPANIES (AEPA)**
- **ARGENTINEAN FORUM OF BIOTECHNOLOGY,**
- **CHAMBER OF COMMERCE OF BOGOTA:**
- **BIOPROGRESO, COLOMBIA**

# PUBLICATIONS

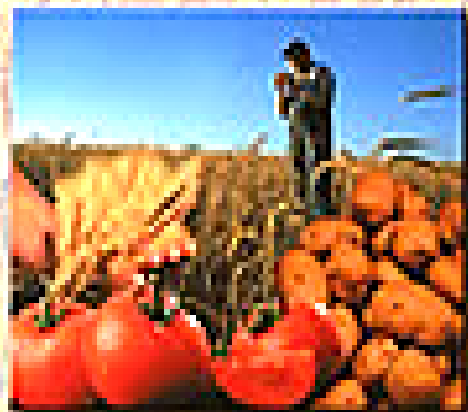
- **DUNCAN, E. Julián.** International Biosafety Protocol: the Trinidad Position. Electronic Journal of Biotechnology [online]. Declarations and Open Letters. 12 December 2004. Available from Internet <http://www.ejbiotechnology.info/feedback/declarations/08/index.html>. ISSN 0717-3458.
- **VENTURA, Arnoldo.** Biosafety Regulations Under the Cartagena Protocol: The Jamaican Case. Electronic Journal of Biotechnology [online]. Declarations and Open Letters. 27 July, 2004. Available from: <http://www.ejbiotechnology.info/feedback/declarations/07/index.html>. ISSN 0717-3458
- **SOTO PACHECO, Ángel Arturo.** The Situation of Legal and Institutional Structure of Bio-security. Electronic Journal of Biotechnology [online]. Declarations and Open Letters. 20 December, 2004. Available from: <http://www.ejbiotechnology.info/feedback/declarations/10/index.html>. ISSN 0717- 3458.

# PUBLICATIONS

- **VERASTEGUI J., MARTÍNEZ V., ROCA W., DE PEÑA M. AND GIL L. The Multinational Biosafety Project of the Organization of American States. Electronic Journal of Biotechnology ON LINE , April 15, 2004. vol. 7 (1), 47-54 Available from:**  
**<http://www.ejbiotechnology.info/feedback/declarations/10/index.html>. ISSN 0717- 3458.**
- **DE VERE PITT, J. and ROBERTS, D. Assessment of Grenada's capacity to implement the Biosafety Protocol. Electronic Journal of Biotechnology [online]. 15 August, 2004, vol. 7, no. 2. Available from:**  
**<http://www.ejbiotechnology.info/content/vol7/issue2/issues/2/index.html> . ISSN 0717-3458.**

# BOOKS PUBLISHED

# ORGANISMOS GENETICAMENTE MODIFICADOS



Producción  
Comercialización  
Biosseguridad  
Percepción Pública

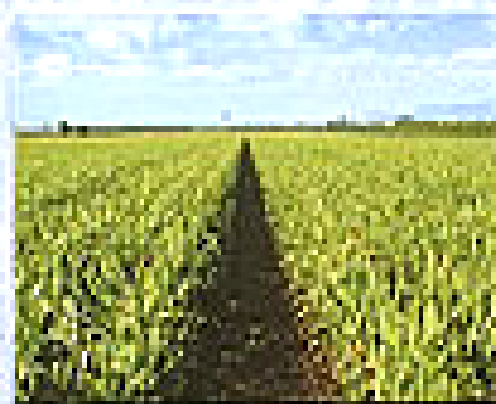


Ministerio  
de Agricultura  
y Ganadería



Ministerio  
de Salud

# BIOSEGURIDAD Y COMERCIO INTERNACIONAL DE ALIMENTOS TRANSGENICOS EN LAS AMERICAS: DECISIONES Y DESAFIOS



Editores:  
Dr. Daniel Gil H.  
Ing. Roberto Víctor Martínez E.



# **GMOS: PRODUCTION, COMMERCIALIZATION, BIOSAFETY AND PUBLIC AWARENESS**

- **BIOTECHNOLOGY IN THE WORLD**
- **BIOSAFETY OF GMOs:**
- **COMMERCIALIZATION OF GMOs**
- **PUBLIC PERCEPTION OF GMOs**
- **25 articles**
- **254 pages**
- **Language Spanish**

# **GMOs: PRODUCTION, COMMERCIALIZATION, BIOSAFETY AND PUBLIC AWARENESS**

- **Paul Meyer, Health, Canada**
- **Phil MacDonald CFIA, Canada**
- **Karen McIntyre Health Canada**
- **Bill Anderson Ag-West, Canada**
- **Pat Traynor VPI, USA**
- **Carmen Vicien Conabia**
- **Moises Burachick SACPyA**
- **Carlos Muñoz INIA, Chile**
- **Ray Mouling. Monsanto**
- **Bruce Hayes Agriculture Ministry , Canada**
- **Bernardo Badani Agriculture Ministry , Canada**
- **Lionel Gil. U. of Chile**

# **Biosafety and International Commerce of Transgenic Food: Decisions and Challenges**

- **BIOSAFETY POLICIES**
- **REGULATORY FRAME AND THE BIOSAFETY PROTOCOL**
- **RISK ASSESSMENT AND RISK MANAGEMENT OF GMOs**
- **SOCIAL ECONOMIC IMPACT OF GMOs**
- **PUBLIC PERCEPTION OF GMOs**
- **CAPACITY BUILDING IN BIOSAFETY IN AGRO-BIOTECHNOLOGY**
- **BIOTECHNOLOGY INDUSTRY**
- **34 ARTICLES, 433 PAGES**
- **LANGUAGE SPANISH**

# **BIOSAFETY AND INTERNATIONAL COMMERCE OF TRANSGENIC FOOD: DECISIONS AND CHALLENGES**

- **PATRICIA TRAYNOR, USA**
- **SUBHASH GUPTA , USA**
- **JOSE LUIS SOLLEIRO, MEXICO**
- **LEYLA ODA, BRASIL**
- **JAVIER VERASTEGUI, PERU**
- **MOISES BURACHIK, ARGENTINA**
- **ALBERT SASSON, FRANCE**
- **JULIAN DUNCAN , TRINIDAD AND TOBAGO**
- **LIONEL GIL, CHILE**

# RESULTS

- **THE PROJECT PROVIDED RELEVANT INFORMATION FOR THE REPORT OF THE PRESIDENTIAL BIOTECHNOLOGY CHILEAN COMMISSION. THIS DESCRIBE THE CHILEAN GOVERNMENT POLICIES IN BIOTECHNOLOGY.**
- **BY CONTRACT WITH CHILEAN GOVERNMENT, DID A CONSULTANCY WORK TO ELABORATE A TECHNICAL DECREE TO AUTHORIZE COMMERCIALIZATION OF TRANSGENIC FOOD DERIVED FROM BIOTECHNOLOGY .**
- **PROVIDED INFORMATION FOR THE DISCUSSION OF BIOSAFETY LAWS IN THE PARLIAMENTS OF PERU AND MEXICO**

# RESULTS

- IT HAS BEEN BUILT A NETWORK OF PERSONS AND INSTITUTIONS INVOLVED IN BIOSAFETY IN AGRO-FOOD BIOTECHNOLOGY IN LATIN-AMERICA , CANADA, USA
- ACTUALIZED TEACHING MATERIAL HAS BEEN DEVELOPED IN RISK ASESSEMENT, RISK MANAGMENT OF GMOs, DNA TRACEABILITY, INNOVATION AND MANAGEMENT IN BIOTECHNOLOGY.
- PROFESSIONALS FROM REGULATORY AGENCIES, MINISTERIES, UNIVERSITIES, AND THE PRIVATE SECTOR WERE TRAINED AT HIGH LEVEL FOR WELL RECOGNIZED LEADERS

# RESULTS

- **FIVE CAPACITY BUILDING COURSES AND SIX SEMINARS WERE ORGANIZED IN BIOTECHNOLOGY FIELDS SUCH AS:**
- **BIOSAFETY, RISK ASSESSMENT AND RISK MANAGEMENT OF GM FOOD;**
- DNA ANALYSIS AND TRACEABILITY IN GMOs AND DERIVED FOOD;**
- **INNOVATION, MANAGEMENT AND COMMERCIALIZATION IN BIOTECHNOLOGY;**

# **RESULTS**

## **PUBLIC AWARENESS**

- **THE BASIS FOR A REGIONAL POLICY IN BIOTECHNOLOGY PUBLIC PERCEPTION, CONSIDERING THE DIFFERENCES BETWEEN COUNTRIES WAS DELINEATED**
- **STRATEGIC APPROACHES TO INFORMING THE PUBLIC ABOUT BIOTECHNOLOGY IN LATIN AMERICA**

**P. TRAYNOR, M. ADONIS AND L. GIL**

**Electronic Journal of Biotechnology. In press, to be published in the April issue, 2007**

# **RESULTS**

# **TRAINING**

- **74 TRAINING FELLOWSHIPS COVERING AIR TICKET, HOTEL AND FOOD EXPENSES WERE AWARDED TO HIGHLY QUALIFIED PROFESSIONALS**

**181 PROFESSIONALS (42 IN EXPERIMENTAL AND 139 IN THEORETICAL COURSES) FROM 17 COUNTRIES, HAVE BEEN TRAINED IN FIVE INTERNATIONAL COURSES**

- **790 PROFESIONALS HAVE PARTICIPATED IN SIX SEMINARS REPRESENTING MORE THAN 100 INSTITUTIONS**

# CONCLUSIONS

- THE OAS HAS ASSUMED A PIONNEAR AND FUNDAMENTAL ROLE IN THE EVALUATION OF THE NEEDS AND FURTHER IMPLEMENTATION OF CAPACITY BUILDING ACTIVITIES IN BIOTECHNOLOGY BIOSAFETY IN LATIN-AMERICA AND CARRIBBEAN COUNTRIES .

# CONCLUSIONS

**THIS INITIATIVE HAS BEEN THE FIRST  
COORDINATED AND SYSTEMATIC  
MULTINATIONAL EFFORT TO  
ENHANCE CAPACITY BUILDING IN  
BIOSAFETY IN THE REGION, BEING  
COMPLEMENTARY TO THE GLOBAL  
AND ENVIRONMENTAL FACILITY  
PROJECTS**

# CONCLUSIONS

**WE ARE WILLING TO COLLABORATE  
AND TO SHARE EXPERIENCIES WITH  
SIMILAR INITIATIVES IN THE ASIA  
PACIFIC REGION AS WELL AS IN  
OTHER REGIONS OF THE WORLD.**

- The trainees were selected according to quality of their CV, as well as the country and institutions training priorities. A selecting committee for each activity included, the general coordinator project and the coordinators in each country, which were professionals well recognized for their knowledge about biotechnology in his own country.
- Support from OAS was only seed money, about 36 % of the project budget was provide for OAS, the rest came from contributions of the countries that host the activities, as well as from the private sector or international institutions or agencies.
- Differences in the level of Biotech and Biosafety development were observed within different countries. Institutions, professors and specialist from the most advances regional countries were used for capacity building oriented to the less

# **PROMOTING REGIONAL AND APPROACHES TO CAPACITY-BUILDING IN BIOSAFETY**

- **COOPERATION BETWEEN MORE AND LESS DEVELOPED COUNTRIES IN THE REGION IS ESSENTIAL TO DESIGN A SUCCESSFUL PROGRAM IN CAPACITY BUILDING.**
- **CONVINCE RECOGNISED INSTITUTIONS AND WORLD WIDE LEADERS IN THE SUBJECT TO HELP THE PROGRAM IN THE REGION.**
- **PRIORITY IN TRAINING SHOULD BE GIVING TO PROFESSIONALS WITH BETTER CHANCES TO APPLY AND PROMOTE THE KNOWLEDGE AND THOSE WHO HOLD IMPORTANT POSITIONS AS DECISION MAKERS.**



# **KEY TO SUCCESS**

## **COORDINADORES**

**ARGENTINA: Dr JUAN DELLACHA**

**BRASIL: Dr LEYLA ODA**

**COSTA RICA: Dr. JORGE MADRIZ**

**CHILE: Dr LIONEL GIL**

**COLOMBIA: Dr CLAUDIA FORERO**

**ECUADOR Dr.LOURDES TORRES**

**JAMAICA. Dr ARNOLD VENTURA**

**MEXICO: Dr JOSE LUIS SOLLEIRO**

**NICARAGUA. Dr JORGE HUETE**

**PERU: Dr JAVIER VERASTEGUI**

**TRINIDAD TOBAGO: Dr LEEYOUNG**



**m**

**UCHAS**

**GRACIAS**