



1 MARCH 2010

Detailed programme for Day 1 of the FAO international technical conference on Agricultural Biotechnologies in Developing Countries (ABDC-10). Last Updated 26 February 2010. Note, all ABDC-10 documents referred to below can be downloaded from <http://www.fao.org/biotech/abdc/backdocs/>

9:00-10:45	OPENING CEREMONY				
	Opening of the conference Election of the Chairperson and Vice-Chairpersons Adoption of the agenda and timetable Appointment of the Rapporteur Introductory remarks by FAO and the Government of Mexico Keynote message: M.S. Swaminathan				
10:45-11:15	COFFEE BREAK				
11:15-13:00	PLENARY				
	Targeting biotechnologies to the poor a) Developing national biotechnology policies b) Governance structures and organization c) Priority setting for R&D in biotechnology				
13:00-14:30	LUNCH BREAK				
14:30-16:15	PARALLEL ROUNDTABLES				
	Sector-specific: Case studies				
	Crops	Livestock	Forestry	Fisheries/aquaculture	Agro-industry
16:15-16:45	COFFEE BREAK				
16:45-18:30	PARALLEL SESSIONS				
	Sector-specific: Background documents				
	Crops	Livestock	Forestry	Fisheries/aquaculture	Agro-industry
18:45-21:00	KNOWLEDGE SHARE FAIR				

9.00 -10.45: Opening Ceremony

- Opening of the conference
- Election of the Chairperson and Vice-Chairpersons
- Adoption of the Agenda and Timetable (see FAO document ABDC-10/2)
- Appointment of the Rapporteur
- Introductory remarks by Mr. Modibo Traoré, Assistant-Director General, FAO Agriculture and Consumer Protection Department, Rome, Italy
- Introductory remarks by the Government of Mexico

- Keynote message: From Professor M.S. Swaminathan, M S Swaminathan Research Foundation in Chennai, India, who is serving as the Honorary Chair of the ABDC-10 Steering Committee. (See document ABDC-10/Swaminathan).

11.15 – 13.00: Plenary Session: Targeting biotechnologies to the poor

Relevant background information is contained in Section A of the background document “*Policy options for agricultural biotechnologies in developing countries*” (ABDC-10/8.1; its synthesis is provided in document ABDC-10/8.2). Section A is entitled “Targeting agricultural biotechnologies to the poor” and it comprises four main sections:

- Agricultural and national development policy contexts;
- National biotechnology policy/strategy frameworks;
- Governance structures and organization; and
- Setting priorities for research and development (R&D).

14.30 – 16.15: Parallel Roundtables: Sector-specific case studies of successful applications of biotechnologies in developing countries

As part of the ‘learning from the past’ exercise in ABDC-10, the sector-specific roundtables include the presentation of a small number of case studies of successful application of biotechnologies in developing countries, followed by a facilitated discussion. They provide an opportunity to evaluate the key factors responsible for the successful application of biotechnologies in developing countries and assist developing countries to learn from the past and empower them to implement appropriate biotechnologies more successfully in the future. Some of the case studies presented have been described in the Case Studies section of the FAO documents prepared for ABDC-10. In those situations, reference is made to the relevant document.

The structure of each session is as follows:

- a) Introduction by the Facilitator, max 5 mins
- b) Case studies of successful use of biotechnologies in the sector – 10 mins each. The presenters should be people that have actually been involved in their successful application
- c) Open discussion, with a facilitator – 70-80 mins

1. Crops session:

Facilitator: Karin Nichterlein, FAO Office of Knowledge Exchange, Research and Extension, Rome, Italy

Case Study 1: Rhizobium-based biofertiliser for the common bean (*Phaseolus vulgaris*) in Mexico. Presented by Humberto Peralta, Center for Genomic Sciences, National University of Mexico, Cuernavaca, Mexico.

Case Study 2: New Rice for Africa (NERICA)

Presented by Sidi Sanyang, West and Central African Council for Agricultural Research and Development (CORAF/WECARD), Dakar, Senegal
(see Case Study 4.i in document ABDC-10/3.1)

2. Livestock session:

Facilitator: Gigi Manicad, Global Strategies and Alliances, Oxfam International, The Hague, The Netherlands

Case Study 1: Sustainable intensification of sheep rearing on the Deccan plateau in India: The FecB mutation

Presented by Chanda Nimbkar, Nimbkar Agricultural Research Institute, Phaltan, India
(see Case Study 6.1 in document ABDC-10/5.1)

Case Study 2: Community-based artificial insemination, veterinary and milk marketing services in Bangladesh

By Mohammed Shamsuddin, Bangladesh Agricultural University, Mymensingh, Bangladesh
(presented on his behalf by Paul Boettcher, FAO Animal Production and Health Division, Rome, Italy) (see Case Study 6.4 in document ABDC-10/5.1)

3. Forestry session:

Facilitator: Sandra Sharry, Facultad de Ciencias Agrarias y Forestales, Universidad Nacional de La Plata, Buenos Aires, Argentina

Case Study 1: Use of micropropagation and molecular markers for clonal forestry with improved teak in Sabah, Malaysia

Presented by Doreen Goh, Yayasan Sabah Group, Kota Kinabalu, Malaysia
(see Case Study 5.2 in document ABDC-10/4.1)

Case Study 2: The use of molecular tools to understand forestry dynamics and to assist in recommendations for managing forests in Central Africa

Presented by Dyana Ndiade-Bobouro, Centre National de la Recherche Scientifique et Technologique (CENAREST), Libreville, Gabon

4. Fisheries and aquaculture session:

Facilitator: Victor Martinez, Faculty of Veterinary Sciences, Universidad de Chile, Santiago, Chile

Case Study 1: PCR-based pathogen detection in shrimp aquaculture in India

By Chadag Vishnumurthy Mohan, Network of Aquaculture Centres in Asia-Pacific, Bangkok, Thailand (presented on his behalf by John Benzie, University College Cork, Ireland)
(see Case Study 4.1 in document ABDC-10/6.1)

Case Study 2: Application of biotechnologies to the conservation of inland fisheries resources in Malaysia.

Presented by Poh Chiang Chew, Freshwater Fisheries Research Centre, Glami Lemi, Malaysia

Case Study 3: Genetically improved farmed tilapia (GIFT)

By Ravelina Recometa-Velasco, Central Luzon State University, Science City of Muñoz, the Philippines (presented on her behalf by Matthias Halwart, FAO Fisheries and Aquaculture Management Division, Rome, Italy)

5. Agro-industry session:

Facilitator: Ruth Frampton, independent consultant, Christchurch, New Zealand

Case Study 1: Pozol - a Mexican fermented maize dough

Presented by Carmen Wachter, Food and Biotechnology Department, Universidad Nacional Autonoma de Mexico, Mexico City, Mexico

Case Study 2: Fermented soy sauce production in Thailand

By Ruud Valyasevi, National Center for Genetic Engineering and Biotechnology (BIOTEC), Klong Luang, Thailand (presented by Rosa Rolle, FAO Regional Office for Asia and the Pacific, Bangkok, Thailand) (see Case Study 4.1 in document ABDC-10/7.1)

16.45 – 18.30: Parallel Sessions: Sector-specific background documents

FAO has prepared five sector-specific documents, covering the current status and options for biotechnologies in developing countries in crops, livestock, forestry, fisheries and aquaculture and, finally, in food processing and food safety. Each of the sector-specific documents, numbered ABDC-10/3.1 to ABDC-10/7.1, is organized in two parts, the first focusing on learning from the past and the second on preparing for the future. The first part documents the current status of application of biotechnologies in developing countries in the specific sector and analyses the reasons for success or failure, presenting also relevant case studies. The second part of each document deals with key unsolved problems in the sector where biotechnologies could be useful; identifies options for developing countries to assist them in making informed decisions about adoption of biotechnologies; and presents a set of Priorities for Action for the international community (FAO, UN organizations, NGOs, donors and development agencies). The documents are quite extensive and available in English. For each one, an easy-to-read synthesis has also been prepared, numbered ABDC-10/3.2 to ABDC-10/7.2. The synthesis documents are provided in Arabic, Chinese, English, French and Spanish.

These parallel sessions are dedicated to the presentation and discussion of these documents. The structure of each session is as follows:

- a) Presentation of the document, 15 mins
- b) 'Reflections on the document' by discussants, 10 mins each (from people who will have read the paper and present their impressions/insights on the document from their own specific angle, to enrich the later discussions)
- c) Open discussion, with a facilitator – 70 mins

1. Crops session:

Presenter: Andrea Sonnino, Secretary, FAO Working Group on Biotechnology, Rome, Italy

Facilitator: Karin Nichterlein, FAO Office of Knowledge Exchange, Research and Extension, Rome, Italy

Discussants:

1. Dominic Glover, Technology and Agrarian Development Group, Wageningen University, The Netherlands
2. Pat Mooney, Action Group on Erosion, Technology and Concentration (ETC Group), Ottawa, Canada
3. Eija Pehu, Agriculture and Rural Development Department, World Bank, Washington DC, United States

2. Livestock session:

Presenter: Paul Boettcher, FAO Animal Production and Health Division, Rome, Italy

Facilitator: Gigi Manicad, Global Strategies and Alliances, Oxfam International, The Hague, The Netherlands

Discussants:

1. Arthur Mariante, Embrapa Recursos Genéticos e Biotecnologia, Brasilia, Brazil
2. Adama Traore, Comité National de la Recherche Agricole, Bamako, Mali

3. Forestry session:

Presenter: Oudara Souvannavong, FAO Forest Conservation Service, Rome, Italy

Facilitator: Sandra Sharry, Facultad de Ciencias Agrarias y Forestales, Universidad Nacional de La Plata, Buenos Aires, Argentina

Discussants:

1. Jeff McNeely, International Union for Conservation of Nature (IUCN), Gland, Switzerland
2. Milton Kanashiro, Embrapa Amazônia Oriental, Belém, Brazil

4. Fisheries and aquaculture session:

Presenter: Matthias Halwart, FAO Fisheries and Aquaculture Management Division, Rome, Italy

Facilitator: Victor Martinez, Faculty of Veterinary Sciences, Universidad de Chile, Santiago, Chile

Discussants:

1. Mohammad Pourkazemi, International Sturgeon Research Institute, Rasht, Iran
2. María Cristina Chávez Sánchez, Unidad Mazatlán en Acuicultura y Manejo Ambiental, Mazatlán, México

5. Agro-industry session:

Presenter: Rosa Rolle, FAO Regional Office for Asia and the Pacific, Bangkok, Thailand

Facilitator: Masami Takeuchi, FAO Nutrition and Consumer Protection Division, Rome, Italy

Discussants:

1. Morven McLean, International Life Sciences Institute (ILSI) Research Foundation, Washington, United States
2. Marilia Nuti, Embrapa Agroindustria de Alimentos, Rio de Janeiro, Brazil.

18.45 – 21.00: Knowledge Share Fair

The Knowledge Share Fair will take place in the foyer of the Conference rooms in the Hilton Guadalajara Hotel on the evenings of 1-3 March. Its purpose is to promote good knowledge sharing practices in the field of agricultural biotechnologies (for crops, forestry, livestock, fisheries and aquaculture, agro-industry) for rural development and food security. This event will offer ABDC-10 participants a place to meet informally, discuss and share ideas, experiences, and information. There are 20 information booths available, 20 boards for posters and 20 tables for information materials (leaflets, brochures, publications etc). There will also be limited opportunity for 'Open Space', a method for suggesting an idea/theme and then convening small groups around a specific question, task, or area of importance. The groups thus formed would create their own agenda and examine the issues on hand. Proposals for Open Space initiatives can be submitted directly during the conference in Guadalajara.