April 2012, Vol. IV Issue 4

A Quarterly Newsletter

## In this Issue

- COP-MOP: The Governing Body of the Cartagena Protocol on Biosafety (CPB)
- Opportunities for Side Events and Exhibits for COP11-MOP6
- Training Modules on the Cartagena Protocol on Biosafety and Biosafety Clearing House, Video on the Cartagena Protocol on Biosafety
- Opportunities for participation
  - Online Forum on Capacity-building for biosafety.
  - Submission of Materials on Guidance on LMO Risk Assessment.
- Biosafety Technical Series 01- "Standards for Shipments of Living Modified Organisms".
- Newletters on Biosafety Information.
- Upcoming Events

# Newsletter

### From the Desk of Editor



जहाँ है हरियाली। वहाँ है खुशहाली।।

I have been informing you about the upcoming eleventh meeting of the Conference of the Parties to the

Convention on Biological Diversity and sixth meeting of the Conference of Parties serving as the Meeting of the Parties to the Cartagena Protocol (COP11-MOP6) to be held on October 1-19, 2012 at Hyderabad. The mega event held every two years consists of a conference with associated side events and an exhibition to provide an opportunity for Governments and other organizations to showcase their activities. I have personally written to the concerned ministries, research institutions, universities, industry, NGOs etc. to use this opportunity for participation and sharing the initiatives taken by them with more than 15,000 participants from over 100 countries. I once again invite all of you to submit your proposals for organizing or hosting any side events, exhibits etc. For details please access http:// cbdcop11india.in/home.html.

I am also pleased to inform you that the Phase-II Capacity Building Project on Biosafety supported by UNEP/GEF shall be shortly launched. The inception workshop for the project is scheduled to be organized from June 18-22, 2012. I hope that the activities undertaken under this project shall help in bridging the gaps towards effective implementation of the Cartagena Protocol on Biosafety in India and providing opportunities for stakeholder participation.

#### Hem Pande

Joint Secretary Ministry of Environment and Forests

#### **Inception Workshop**

The inception workshop to launch Phase-II Capacity Building Project on Biosafety supported by UNEP/GEF scheduled on June 18-22, 2012 at New Delhi.



India is hosting the sixth meeting of the Conference of the Parties serving as the Meeting of the Parties to the Cartagena Protocol on Biosafety (COP-MOP 6) from 1-5 October 2012, in Hyderabad. The provisional agenda includes: report of the compliance committee; operation and activities of the Biosafety Clearing-House; matters related to the financial mechanism and resources; cooperation with other organizations, conventions and initiatives; and report of the Executive Secretary. Substantive issues arising from the Programme of Work and past COP-MOP decisions include: handling packaging and identification of living modified organisms (LMOs); notification requirements; liability and redress; unintentional transboundary movements and emergency measures; risk assessment and risk management; socio-economic considerations; monitoring and reporting; and assessment and review.





### COP MOP: The Governing Body of the Cartagena Protocol on Biosafety (CPB)

The Conference of the Parties to the Convention serving as the meeting of the Parties to the Protocol (COP-MOP) is the governing body of the Protocol. The main function of this body is to review the implementation of the Protocol and make decisions necessary to promote its effective operation. Decisions under the Protocol can only be taken by Parties to the Protocol. Parties to the Convention that are not Parties to the Protocol may only participate as observers in the proceedings of meetings of the COP-MOP.

As per Article2 9, the COP-MOP performs the functions assigned to it by the Cartagena Protocol on Biosafety as indicated below:

- a. Makes recommendations on any matters necessary for the implementation of this Protocol;
- b. Establishes subsidiary bodies as are deemed necessary for the implementation of this Protocol;
- Seeks and appropriately utilizes the services and information provided by, competent international organizations and intergovernmental and nongovernmental bodies;
- d. Establishes the form and the intervals for transmitting the information to be submitted in accordance with Article 33 of this Protocol and consider such information as well as reports submitted by any subsidiary body;
- e. Considers and adopts, as required, amendments to this Protocol and its annexes, as well as any additional annexes to this Protocol, that are deemed necessary for the implementation of this Protocol; and
- f. Exercise such other functions as may be required for the implementation of this Protocol.

## Opportunities for Side Events and Exhibits for COP11-MOP6



The sixth meeting of the Conference of Parties (COP) serving as the Meeting of the Parties (MOP) to the Cartagena Protocol on Biosafety and the eleventh meeting of the COP to CBD will be held in Hyderabad from 1 to 5 October and 8 to 19 October 2012, respectively, and the high-level segment will be held from 17 to 19 October 2012. The meetings will be spread over to various sessions and will have variety of formats, ranging from opening and closing plenary sessions, working groups, contact groups, workshops, discussions, keynote speeches, multimedia presentations, public lectures, debates, hands-on experiences etc.

Some of these will run parallelly. In addition, the programme would also have cultural evenings/ social programmes followed by dinner on selected conference days.

An international exhibition would be organized on the sidelines of the conference venue itself or in an adjacent venue (within a radius of one kilometer) to provide an opportunity for Governments and a variety of organizations to showcase their initiatives on biodiversity and biosafety. The Conference will have the participation of more than 10000 delegates from more than 150 countries, including several Ministers for high level segment, UN, bilateral, multilateral agencies, private sector, financial institutions, academia, civil society organizations and others.

Realizing the importance of this platform in terms of gaining knowledgebase and exchanging the information mutually among various participants across the globe, MoEF is encouraging stake holders to hold side-events, exhibitions and presentations to showcase the technologies during the COP-MOP 6. Thereby, various stakeholders from governments, inter-governmental, nongovernmental, regional and international organizations, who may wish to present a poster, hold an exhibition or host a side event during the above mentioned meetings are invited, to submit the proposals for the event. The interested stakeholders are requested to indicate their intention to host or present one of the above (i.e. poster, side events and exhibits) at the earliest. For more details please visit: http://www.cbd.int/register/sideevents/manage.aspx? mtg=MOP-06 and http://www.cbd.int/register/side-events/ manage.aspx?mtg=COP-11.

## Training Modules on the Cartagena Protocol on Biosafety

Biosafety Clearing House (BCH) provides several training modules for self learning about the Cartagena Protocol on Biosafety.

- An Introduction to Cartagena Protocol on Biosafety
- An Introduction to the Biosafety Clearing House
- Surfing the BCH Central Portal
- Finding Information in the BCH Central Portal
- Recommended Guidelines for Countries
- Registering Information in the BCH Central Portal
- Registering National Information in the BCH
  Central Portal
- Sharing Biosafety Information on the BCH Central
- Information-sharing Obligations on Becoming a Party to the Protocol

The modules are available in PDF format on Biosafety Clearing House (BCH), and provide a range of information from introductory material to in-depth review. Most



## Video on the Cartagena Protocol on Biosafety

The video on the Cartagena Protocol on Biosafety contains messages regarding the main provisions of the Protocol and can be downloaded from the Protocol website at:

http://bch.cbd.int/protocol/cpb\_media\_video1.shtml.

modules contain interactive exercises and detailed walk-throughs of the steps required for each activity. These modules can be accessed by registering on BCH training site under section on resources at http://bch.cbd.int/help/training-modules.

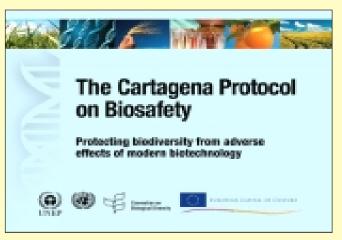
UN VIATA

There are two interactive training modules designed to enable users to understand the concepts introduced in Training Modules 1 and 2 in a hands-on manner i.e.

- Introduction to the Cartagena Protocol on Biosafety
- Introduction to the Biosafety Clearing-House

The interactive modules are designed in Macromedia Flash and are easy to operate. The audio-video format allows users to work individually and learn at their o wn pace. These modules are free to download and can be installed. Practical exercises and quiz comprising of 20 questions each have been included for self evaluation. These modules can also be used for training programmes and group exercises.







## **"OPPORTUNITIES FOR PARTICIPATION"**

## Online Forum on Capacity-building for Biosafety

An online forum is open from 20 February-4 May 2012, on the BCH website to identify strategic approaches to capacity-building and develop a capacity assessment framework and a framework for monitoring and evaluation.

The outcome of the Forum will be considered by the Sixth meeting of the Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol on Biosafety (COP-MOP6).

The Forum is open to any participant from Parties, other Governments and relevant organizations involved in biosafety capacity-building activities or interested in sharing their views and experiences relevant to the subject matter. Posting of messages is restricted to pre-registered participants but the posted messages are publicly available for reading.

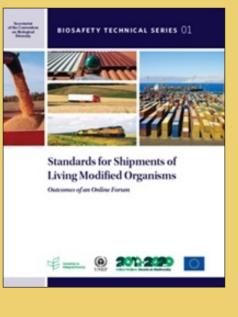
### Submission of Materials on Guidance on LMO Risk Assessment

The Secretariat of the Convention on Biological Diversity (CBD) has invited submissions of background materials relevant to the Guidance on Assessment of Living Modified Organisms (LMOs) under the Cartagena Protocol on Biosafety to be considered by the ad hoc technical expert group (AHTEG) on risk assessment. The technical and scientific experts of parties and non-parties, scientific organizations and registered users of the BCH are invited to submit materials through the BCH Biosafety Information Resources Centre (BIRC) in order to link the records relevant to risk assessment to specific sections of the guidance on LMO Rrisk assessment. The submission of background materials will be an ongoing exercise performed online through the BCH

## BIOSAFETY TECHNICAL SERIES 01 Standards for Shipments of Living Modified Organisms

The Secretariat of the Convention on Biological Diversity (SCBD) has started a "Biosafety Technical Series" covering the key areas under the Cartagena Protocol on Biosafety and its Supplementary Protocol on Liability and Redress. Material published in the Biosafety Technical Series is intended for use by practitioners and for raising public awareness on living modified organisms (LMOs) in order to contribute to achieving the objectives of the two treaties.

The first issue of the biosafety technical series ia available online from 30-01-2012. The report has two parts. Part A provides for the outcome of online forum on Standards for LMO Shipment and Part B contains a summary of information on standards and standard-setting bodies relevant to the handling, transport, packaging and identification of LMOs. The report can be accessed at https://bch.cbd.int/protocol/cpb\_technicalseries.shtml



## Newsletters on Biosafety Information

Newsletters provide a quick update on activities of particular programmes, projects, agenda etc. A brief overview of some of the newsletters providing information on biosafety related topics and activities are as provided. These newsletters are available electronically and can also be subscribed through email.



Food and Agriculture Organization of the United Nations

Google" Custom Search
● Site ● FAO
FAO Home
Biotechnology Home
FAO Statement on Biotechnology
FAO Documents
FAO's Activities
News
Events
Forum
Sectoral Overviews
Glossary
Country Policy Documents
Links
Press Room

The News items relate to applications of biotechnologies in food and agriculture in developing countries and their major focus is on the activities of FAQ, other UN agencies/bodies and the 15 CGIAR research centres. The News items cover all food and agricultural sectors (crops, forestry, fisheries/aquaculture, livestock, agro-industry) and a wide range of biotechnologies (e.g. use of molecular markers, artificial insemination, triploidisation, biofertilisers, micropropagation, genomics, genetic modification etc.). New documents are included as News if they are freely available on the web and, for people who can't download them or who wish further information, an e-mail contact is also provided. The News service was launched in January 2002 and all News items posted since then (there were 800 in the first 9 years) are available here. The news and event items on this website are also disseminated through an e-mail newsletter called FAO-BiotechNews that is published in six different versions, one per language i.e. Arabic, Chinese, English, French, Russian and Spanish. To subscribe, send a message to **FAO-Biotech-News@fao.org** indicating which e-mail addresses are to be subscribed and in which language they wish to receive the newsletter.

#### Strengthening partnerships in agricultural biotechnologies

Agricultural Biotechnologies in crops, forestry, livestock, fisheries and agro-industry

News

The FAO moderated e-mail conference entitled "Strengthening partnerships in agricultural biotechnologies for the benefit of smallholders in developing countries: Discussing North-South, South-South, Public-Private cooperation and more" took place from 14 November to 18 December 2011. Major topics discussed included Public-Private partnerships, South-South cooperation and the importance and modalities of involving smallholder farmers in partnerships. The different food and agricultural sectors, most focus was on crops, followed by livestock. About 340 people subscribed to the conference and 76 messages were posted by 48 people living in 25 different countries. Nearly two thirds of messages came from people living in developing countries. See the messages posted, as well as the 13-page Background Document to the conference, at http://www.fao.org/biotech/biotech-forum/en/ or contact biotech-admin@fao.org for more information

#### Agricultural biotechnologies and food security

The December 2011 volume of the Journal of Biotechnology is dedicated to selected contributions from sessions of the 14th International Biotechnology Symposium, which took place on 14-18 September 2010 in Rimini, Italy. One of the papers included is by J. Ruane and A. Sonnino, from FAO's Research and Extension Branch, on "Agricultural biotechnologies in developing countries and their possible contribution to food security". See http://www.fao.org/docrep/015/an111e/an111e00.pdf or request a copy from biotech-admin@fao.org.

**FAO Biotech-News:** The Food and Agriculture Organisation of the United Nations publishes a quarterly newsletter covering news that are relevant to applications of biotechnology in food and agriculture in developing countries. Its main focus is on the activities of FAO, of other United Nations agencies/ bodies and of the Consultative Group on International Agricultural Research (CGIAR) research centers. This newsletter is published in six different versions i.e. Arabic, Chinese, English, French, Russian and Spanish. It can be subscribed by a request to FAO-Biotech-News@fao.org along with the subscriber's e-mail address.

## \_\_\_\_\_

Month Select v Year Select v Search

Free Text

21/12/2011

20/12/2011

FAO-BiotechNews

Join FAO-BiotechNews, an English-language e-mail list of news and events items

Search the News items





## Publications

Information Systems for Biotechnology (ISB) News Reports: Information Systems for Biotechnology (ISB) provides information resources to support the environmentally responsible use of agricultural biotechnology products. The ISB News Report is published monthly and is also available by e-mail. Issues are available as a web page or in Adobe.pdf format. It can be subscribed by a request at http://www.nbiap.vt.edu/publicationrequest-form.aspx





#### SABP

SABP The South Asia Biosafaty Program (SABP) is an interna-tional developmental program (Initiated with support from the United States Agency for International Development (USAID). The program is implemented in India and Bangladesh and anis to work with Inational governmental agencies to facilitate the implementation of transpar-ent, efficient ratio responsive regulatory frameworks for products of modern biotechnology that meet national agencies the safety of novel foods and feeds and environmental protection. SABP is working with its in-country partners to:

- Identify and respond to technical training needs for food, feed and environmental safety assessment. Develop a sustainable network of trained, authorita-tive local experts to communicate both the benefits and the concerns associated with new agricultural blotechnologies to farmers and other stakeholder
- Rates the profile of biotechnology and biosafety on the policy agenda within India and Bangladesh and address policy issues within the overall context of economic development, international trade, environ-mental safety and sustainability.

### GOLDEN RICE FOR ADDRESSING THE VITAMIN A-DEFICIENCY PROBLEM IN BANGLADESH

Md. Alamgir Hossain, Principal Scientific Officer, Bang e Research Institute, Gazipur, Bangladesh, Email: ma

Dr. Md. Alemgir Hossian, Principal Scientific Officer, Bangladesh Dr. Md. Alemgir Hossian, Principal Scientific Officer, Bangladesh Tenish Res Research Institutis, Caspurg, Bangladesh, Email: Institutis, Caspurg, Bangladesh, Email: Institutis, Caspurg, Bangladesh, Email: Tenish Structure, Bangladesh Dr. Bangladesh, Email: Bangladesh Bangladesh, Bangladesh Bangladesh, Bangladesh Dr. Bangladesh, Ba

a country like Bangladesh neede to spend millions d dollars for the mudicine and its delivery process. An economic critis, which is a very sommen scenario in developing countries, may cause setbacks in other important development activities. A sustainable solution to the problem will come only when it is possible to improve the content of the missing micronutrients in the major staple crops. Rice is the staple food of most of the Asian countries providing 80% or more of daily calories, other forms of provitamin A in the grain as consisted by humans. Consequently VAD often occurs where rice is the major staple food.

NEWSLETTER

March 2012

Unfortunately, rice plants do not produce beta-carcetere or other forms of provitama A in the grain as consumed by humans. Consequently VAD often occurs where rice is the major staple food. Educational rearly 1390 that Prof. Ingo Table (Start) and the start of the start of the start institute of Technology took initiatives to develop a vitamin A-rich rice variety. Popularly known as "golden rice" it took eight years using genetic engineering due to the lack of necessary genes in the rice gene pool, to develop the much anticipated vitamin A-rich rice. In Bangladesh, one in every five pre-school children is vita-min A-dificient ad 2.3."% of program twome are effected of the binding episode. Recent reports indicate that right blindness among rural mothers is as high as 1.4%. National witamis. This prevalence down these of Vitamin A is the dist and a high prevalence of the signs and symptoms divarcephthalms. This prevalence is well in executions with diarrhoea, measles and other infectious disease including the aveconfirmed vitaming. Although short long term preven-mentaria genetic parsites. Ris factors in the develop-ment of aveciphthalms include diet, age, infectious disease and generatic parsites. Ris factors in the develop-ment of avecophthalms, Although short long term preven-mentaria develop. Some setter in plance, much Golden rice can play a vital role in reducing vitamin A Golden rice can play a vital role in reducing vitamin A factory maints. Sciencits of the Bangladesh Rece Research

(continued on page 4 - see Rice)



#### South Asia Biosafety Programme (SABP)

Newsletter: The South Asia Biosafety Program (SABP) is a capacity building project being implemented in India and Bangladesh with support from USAID. The SABP published a monthly newsletter which includes invited editorials, information about biosafety regulation and policy developments in India and Bangladesh, SABP and other capacity building activities in the region, and related science or news stories. The newsletter can be subscribed through an e-mail request at vibhaahuja@biotech.co.in or downloaded from http://cera gmc.org/ index.php?action=sabp newsletter.

## Ulpcoming Events

#### National

Title	Organized/hosted by	Date & Venue	
National Seminar on Biotechnological Approaches in Pest Management	Department of Entomology and School of Agricultural Biotechnology, Punjab Agricultural University, Ludhiana	May 4 - 5, 2012 Ludhiana	
Transgenics : Creation, Detection, Breeding and Regulation	Barwale Foundation	May 8 - 10, 2012 Hyderabad	
Second Meeting of the Open-ended Ad Hoc Intergovernmental Committee for the Nagoya Protocol on ABS (ICNP-2)	Ministry of Environment and Forests Government of India	July 2- 6, 2012 New Delhi	
Sixth meeting of the Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol on Biosafety (MOP-6)	Ministry of Environment and Forests, Government of India.	October 1-5, 2012, Hyderabad	
Eleventh meeting of the Conference of the Parties to the Convention on Biological Diversity (COP-11)	Ministry of Environment and Forests, Government of India.	October 8-19, 2012, Hyderabad	
International Symposium on New Paradigms in Sugarcane Research	Society for Sugarcane Research and Development and Sugarcane Breeding Institute	Oct. 15-18, 2012, Coimbatore	
International			
International Conference on Environmental Risk Assessment of Genetically Engineered Plants	The Bangladesh Academy of Sciences and the Center for Environmental Risk Assessment	April 15-17, 2012BRAC Centre, Dhaka, Bangladesh	
Biosafety Workshop "Problem Formulation: A Strategic Approach to Risk Assessment of GMOs"	International Centre for Genetic Engineering and Biotechnology (ICGEB) in collaboration with the Ministry for Environment, for the Protection of the Territory and for the Sea, Government of Italy	April 16-20, 2012Trieste Italy	
Inter-regional workshop on capacity building needs for the implementation of the Nagoya – Kuala Lumpur Supplementary Protocol on Liability and Redress	The Secretariat of the Convention on Biological Diversity	May 9-11, 2012 Riga, Latvia	
Workshop "Biosafety of Genetically Engineered Crops: Best Practices from Laboratory to Farmer's Fields"	ICGEB In collaboration with GENETECH, Colombo, Sri Lanka, University of Colombo, Sri Lanka, Michigan State University, USA, The National Science Foundation, Colombo, Sri Lanka and Embassy of USA, Colombo, Sri Lanka	May 21-25, 2012Colombo, Sri Lanka	
12th International Symposium on Biosafety of Genetically Modified Organisms (ISBGMO12)	International Society for Biosafety Research	Sep. 17–20, 2012St Louis, Missouri, USA	

### Patron

Shri M.F. Farooqui Special Secretary, MoEF

*Editor* Shri Hem Pande Joint Secretary, MOEF

*Editorial Board* **Dr. Ranjini Warrier** Director, MoEF

**Dr. K. V. Prabhu** Head (Division of Genetics), IARI

**Dr. Ravi Khetarpal** Regional Director, South Asia CABI

**Dr. Vibha Ahuja** GM, BCIL

### Student Scholarships for Participation in ISBGMO12"

The 12<sup>th</sup> International Symposium on Biosafety of Genetically Modified Organisms (ISBGMO) will be organized in St Louis, USA between 16-20 September, 2012. This conference will provide the opportunity for scientists from all around the world to share experiences about biosafety. Three scholarships are being offered to support the travel and attendance costs for students currently conducting graduate level research that is relevant to the ecological risk assessment of transgenic cross and genetically modified organisms.



For feedback please contact:

#### Dr. Ranjini Warrier, Director

Ministry of Environment & Forests Paryavarn Bhawan, CGO Complex, Lodi Road, New Delhi-110003 Phones: +91 (011) 24363964 Fax: +91(011) 24361308 Email: warrier@nic.in

Dr. Vibha Ahuja, General Manager Biotech Consortium India Limited V Floor, Anuvrat Bhawan, 210, Deen Dayal Upadhyaya Marg, New Delhi-110002 Phones: +91 (011) 23219064-67 Fax: +91(011) 23219063 Email: vibhaahuja@biotech.co.in vibhaahuja.bcil@nic.in

Disclaimer : The information in this newsletter has been compiled from various sources and does not necessarily depict views of the Ministry of Environment & Forests, Government of India.