

Monday 02/07/2012 Aula Magna

08:30 Registration - Faculty Hall
09:15 Welcome and Introduction UNIDO-UNIVPM
E-Biosafety Program, activities, purpose of training
Stefano Bologna - George Tzotzos - Bruno Mezzetti
▪ **Biotechnology and biosafety for Agro industry**
09:30 Biotechnology and biosafety for agro-industry
George Tzotzos
10:15 Discussion and Feedback session George
Tzotzos Stefano Bologna
10:30 Break
▪ **Biosafety – Environmental safety**
10:45 Environmental Risk Assessment: The EFSA
scientific rationale
Jeremy Sweet
11:45 Discussion
12:30 Lunch
▪ **Biosafety – Environmental safety**
14.00 ERA examples to show Problem Formulation,
Hazard, Exposure and Risk Characterization Jeremy
Sweet
14:45 Environmental Risk assessment
Case studies using D-Tree Jeremy Sweet, Ine Petry,
Sylvia Burssens, George Tzotzos
15.30 Break
15:45 Discussion and Feedback session
Jeremy Sweet, Ine Petry, Sylvia Burssens, George
Tzotzos
17:30 End of the day

Tuesday 03/07/2012 Aula Magna

Biosafety – Food and environmental safety
08:30 Bioregulatory issues Ine Petry
09:15 Introduction to 1829/2003 and the EFSA
submission guidance, Yi Liu
10:00 Break
10:15 EFSA's food and feed RA strategy Harry
Kuiper

11:00 EFSA's food and feed RA scientific
Requirements Harry Kuiper
11:45 Discussion Harry Kuiper, Yi Liu, Nancy
Podevin
12:30 Lunch
14:00 Global pipeline of new Gm crops and global
socio-economic impacts Emilio Rodriguez Cerezo
EU-JRC
14:45 Late blight resistant GM potatoes and the
discussion on cisgenesis and new technologies?
Godelieve Gheysen
15:30 Break
15:45 Introduction to bio-ethics, risk perception and
risk communication Sylvia Burssens
16:30 EFSA public communication strategy Nancy
Podevin
16:15 Group discussion
17:30 End of the day

Wednesday 04/07/2012 Aula Magna

▪ **New biotechnology**
08:30 Plant biotech: history & state of the art
Sylvia Burssens
09:15 New technologies (cisgenesis & ZFN)
Godelieve Gheysen
10:00 *Break*
10:15 Deployment of new biotechnologies in plant
breeding Claudia Parisi
11:00 EFSA position on cisgenesis Nancy Podevin
11:30 Gene silencing and the rootstock-variety system
Daniela Palma, Silvia Sabbadini, Tiziana Pandolfini;
Bruno Mezzetti
12:00 *Discussion*
12:30 *Lunch*
▪ **Impacts of biotechnology in developing countries**
14:00 Impact of biotech on agroindustry sector in
Brasil Edna Maria Morais Oliveira
14:45 Impact of biotech on agroindustry sector in Asia
Anup Karwa

15:30 Break
15:45 Impact of biotech on agroindustry sector in
Africa Jerry Nana Lemgo
▪ 16:30 Discussion
▪ 17:30 End of the day

Thursday 05/07/2012 Aula Magna

▪ **Round table :Science communication and public
acceptance**
▪ 9:00 The role of science in social development
Gilberto Corbellini
10:00 Communicating sciences to the public
Antonio Pascale
11:00 *Break*
11.15 Public perception and science communication
Sylvia Burssens
12.00 Discussion
12:30 Lunch
▪ **European and Italian Agroindustry perspectives**
14:30 Italian national authority (CIV): role and
activities Matteo Lerner
15:15 Agro-biotechnology research in Plant for Food EU
platform Luigi Rossi
16:00 *Break*
16:15 Round table discussion with national biotech
companies Vitroplant – Ampelos, Other
17:30 End of the day

Friday 06/07/2012 COMPUTER ROOM

9:00 Final evaluation - UPM E-Biosafety Trainers
Bruno Mezzetti and Faculty Members
12:30 *Lunch*
14:00 Introduction to dissertation guidelines and
discussion Bruno Mezzetti
14:00 Discussion and definition of the Dissertation
topics Bruno Mezzetti and all the group
17:00 Ending of the on campus

THIS YEAR THEME: FROM GLOBAL TO LOCAL AGROBIOTECH

The ability of developing countries to institutionalize adequate safety systems and enforce regulation in biotechnology is a vital element in their efforts to exploit current and emerging biotechnology opportunities.

In Europe only 9 of 27 countries are cultivating genetically modified (GM) crops while several countries have declared themselves GMfree even though most are importing GM soya and maize for animal feed. Meanwhile countries in Asia, South America and Australasia are joining USA and Canada in embracing green biotechnology. In Africa Kenya become the fourth country to approve the import and production of GM crops and other African countries are following.

The Training Course will feature lectures with high-level expertise in the following sectors:

1. Technological and economical Impact on Agro-Industry
2. New biotechnology in plant breeding
3. Patenting and biosafety issues
4. Science communication

The course provides students and participants to develop advanced skills in formulating and assessing applications for environmental releases and/or food & feed use of biotechnology-derived products through practical training provided by renowned and experienced competent institution like the MPU.

Sessions planned in collaboration with EFSA experts will have the aim to introduce the main aspects related to food and environmental risk assessment on products derived by biotechnology applications.

At the end of the program, participants will have more knowledge on the future of the biotech application in the agro-industry sector and on how to conduct risk assessments and apply risk management options for biotechnology-derived food and feed products. It is expected that the participants will also improve their skills in dealing with public policy issues at the interface of science, governance, industry and civil society.



**“Tavola rotonda sulla
comunicazione scientifica e sulle
prospettive delle biotecnologie
agroalimentari”**

**CON L'ADESIONE DEL
PRESIDENTE DELLA REPUBBLICA**

**5th Edition of the: UNIVPM -
UNIDO E-Biosafety Master**

“Summer ON CAMPUS”

**Scuola di Dottorato - Facoltà di
Agraria**

Ancona, July 02 – 06, 2012

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