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## Oral presentations by:

Philippe Druart	(Belgium)
Danny Geelen	(Belgium)
Bart Panis	(Belgium)
Milos Faltus	(Czech Republic)
T. Bo Toldam-Andersen	(Denmark)
Anna Nukari	(Finland)
Marjatta Uosukainen	(Finland)
Florent Engelmann	(France)
Agnès Grapin	(France)
Monika Höfer	(Germany)
Joachim Keller	(Germany)
Andreas Meier-Dinkel	(Germany)
Carmine Damiano	(Italy)
Maurizio Lambardi	(Italy)
Paweł M. Pukacki	(Poland)
Jan Rybczyński	(Poland)
Anabela Romano	(Portugal)
Jana Krajnakova	(Slovakia)
Terézia Salaj	(Slovakia)
Helena Fernández	(Spain)
M. Elena González-Benito	(Spain)
Paul Lynch	(United Kingdom)

## 1st Meeting of Working Group 2 TECHNOLOGY, APPLICATION AND VALIDATION OF PLANT CRYOPRESERVATION

May 10-13, 2007



CNR / IVALSA

Area di Ricerca CNR  
CONFERENCE HALL  
Via Madonna del Piano  
Sesto Fiorentino, Firenze, ITALY

COST is an intergovernmental European framework for international cooperation between nationally funded research activities. COST creates scientific networks and enables scientists to collaborate in a wide spectrum of activities in research and technology. COST activities are administered by the COST Office.



Cryopreservation is the storage of viable plant germplasm in liquid nitrogen (-196°C), at which temperature metabolic and most physical processes are stopped. Hence, plant germplasm preserved under cryogenic storage can be safely maintained for very long time, theoretically *ad infinitum*. The goal of "CryoPlanet, Cryopreservation of crop species in Europe", COST Action 871, is to create a network that brings together European scientists with an expertise and/or interest in plant cryopreservation, with the main aim of developing and implementing efficient cryogenic procedures. At present, 15 European countries (i.e., Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Italy, Netherlands, Poland, Portugal, Serbia-Montenegro, Slovakia, Spain, United Kingdom) have signed the Memorandum of Understandings, while two others (Romania and Turkey) have indicated an intention to sign. Two Working Groups are distinguished within the project, i.e., WG1/Fundamental aspects of cryopreservation/cryoprotection and genetic stability, and WG2/Technology, application and validation of plant cryopreservation. Dr. Bart Panis is the Chair and Prof. Paul Lynch the Vice-Chair of this Action, which runs until December 2010

## 1<sup>st</sup> Meeting of Working Group 2

### TECHNOLOGY, APPLICATION AND VALIDATION OF PLANT CRYOPRESERVATION

#### Programme

#### Thursday 10 May, 2007

16.00 Meeting of the Executive Committee

#### Friday 11 May, 2007

- 8.30- 9.30 Registration of the participants
- 9.30- 9.45 Welcome of the Director of IVALSA, Prof. Ario Ceccotti
- 9.45-10.00 Welcome of the Chair of the COST Action 871, Dr. Bart Panis
- 10.00-12.00 **Theme 2.1. "Technology aspects of cryopreservation"**  
 Oral presentations
- 12.00-14.00 Lunch
- 14.00-14.30 Invited Lecture  
**"Elimination of viruses and phytoplasma by cryotherapy of *in vitro*-grown shoot tips"**  
 Dr. Qiaochun Wang, China
- 14.30-16.30 Theme 2.1. (continuation)

16.30-17.00 Coffee break

17.00-17.30 Invited Lecture

**"The challenge of preserving invertebrate's species by cryopreservation"**

Dr. Tiziana Irdani, Italy

17.30-18.50 **Theme 2.2. "Impact and applications of cryopreservation in plants"**

Oral presentations

#### Saturday 12 May, 2007

- 8.30- 9.00 Invited Lecture  
**"Cryopreservation of plant germplasm in Argentina"**  
 Prof. Luis Mroginski, Argentina
- 9.00-11.00 Theme 2.2. (continuation)
- 11.00-11.30 Coffee break
- 11.30-12.10 Theme 2.2. (continuation)
- 12.10-13.00 General discussion and final considerations  
 (Dr. Bart Panis, Prof. Paul Lynch)
- 13.30 Farewell lunch at Restaurant

#### Sunday 13 May, 2007

**Post-Meeting Tour** (8.30-13.30)

Visit to the Chianti Estate "Castello di Nipozzano"  
 (Marchesi de' Frescobaldi, Firenze)