

*Technology workshop on MAS: from discovery to application*

*Location: Hof van Wageningen (former WICC), Wageningen, the Netherlands*

*Date: 9 and 10 February 2010*

*Objective:*

The EU Framework 6 Integrated Project BIOEXPLOIT concerns the exploitation of natural plant biodiversity for the pesticide-free production of food. One of the objectives relates to the acceleration of the introduction of marker-assisted breeding and genetic engineering in the EU plant breeding industry. This will be achieved by the coordination and integration of resistance breeding research, providing training in new technologies, disseminating the results, and transferring knowledge and technologies to the industry. Hence, a Technology Workshop on marker-assisted selection will be organised in collaboration with breeders in the BIOEXPLOIT consortium, EUCARPIA and EAPR to address this objective.

*Topics:*

- Crop-specific aspects of resistance breeding in potato and cereals
- Application of MAS in potato and cereals
- Markers types and marker conversion
- Haplotyping and mapping strategies
- Breeding for durable resistance based on QTLs and R genes
- Genetic engineering of resistant varieties
- Economic aspects of marker assisted selection

*Activities:*

- Plenary lectures (*speakers will be announced at [www.bioexploit.nl](http://www.bioexploit.nl)*)
- Plenary discussions
- On site visit Keygene NV
- Poster presentations
- Company booth
- Social events

*Registration:*

- Registration is open for classic and molecular breeders, PhD student Plant Breeding, Scientists, etc. Please fill in the registration form before the 1st of January 2010

*Information:* Please contact the Bioexploit Project Staff Office at [office.bioexploit@wur.nl](mailto:office.bioexploit@wur.nl)