

# MycoHunt Newsletter

MARCH 2010 – AUGUST 2011

SECOND ISSUE

## Introduction

The project aims at increasing the competitiveness of a large group of SMEs by developing a cost-effective method to detect infection of mycotoxin deoxynivalenol in wheat grains, a major threat to the food and feed sector of the European industry. A group of SME-AGs, covering the two relevant sectors and representing vast number of sector SMEs, have put together this project in order to gain knowledge and resources to further exploit the results of the novel technology proposed by providing a thorough sampling and measurement method of grain.

The economic consequences of mycotoxin infection to animal husbandry and the cost of infected crop to farmers as well as mill and storage house owners are of increasing concern while human health and safety effects are and must be addressed additionally.



## Our partners

**MFKK-** FELTALÁLÓI ÉS KUTATÓ KÖZPONT SZOLGÁLTATÓ KFT. –INVENTION AND RESEARCH CENTER SERVICES LTD.

**HGFA** –HUNGARIAN GRAIN AND FEED ASSOCIATION

**SEEDYZ-**GREEK ASSOCIATION OF TRADERS AND EXPORTERS OF CEREALS BY-PRODUCTS AND FEEDS

**CESFAC**—CONFEDERACIÓN ESPAÑOLA DE FABRICANTES DE ALIMENTOS COMPUESTOS PARA ANIMALES

**ASEMAC**—ASOCIACIÓN ESPAÑOLA DE FABRICANTES DE MASAS CONGELADAS

**SYNAGRA-** SYNAGRA VZW

**EASRET**— UNION OF AGRICULTURAL COOPERATIVES OF RETHYMNO

**IMPULS**—PRZEDSIĘBIORSTWO INNOWACYJNO-WDROŻENIOWE "IMPULS" MGR INŻ. WŁADYSŁAW FEDIUK (INNOVATION ENTERPRISE "IMPULS")

**OSV**—OSV SRL

**DGABONA**—DUNAGABONA TERMÉNYKERESKEDELMI KFT.

**DIMI**—DIMITRIAKI S.A. TRADE OF AGRICULTURAL PROD. - BROKERAGE

**HOGENT**—HOGESCHOOL GENT

**UGENT**—UNIVERSITEIT GENT

**ULUND**—LUNDS UNIVERSITET

**ETIA**—EVALUATION TECHNOLOGIQUEE, INGÉNIERIE ET APPLICATIONS

**BIOFOR**—CENTER FOR SUPPORT AND PROMOTION OF ORGANIC PRODUCTS

**EST**—ELECTROCHEMICAL SENSOR TECHNOLOGY (EST) LTD



## Project Progress

**During the second half period one meeting was held on 25<sup>th</sup> May 2011, in Gent, Belgium.**

The M9 Project meeting was hosted by UGENT in Gent at Faculty of Pharmaceutical Sciences (Harelbekestraat 72, Ghent) on 25<sup>th</sup> May 2011. The M9 meeting was held the day after the Mycotox Symposium took place in Ghent on 24<sup>th</sup> May. A consortium diner and a Boat trip was organized for meeting attendees on the night of 24<sup>th</sup> May.

### AGENDA

#### 24<sup>th</sup> May, 2011., Tuesday

8:15 Meet at reception of Hotel Ibis Opera to go to the place of the Symposium  
18.15 – 19:30 boat trip through the historical centre of Ghent  
19:30 Pre-meeting dinner in restaurant Pakhuis (Schoorkestraat 4, Ghent)

#### 25<sup>th</sup> May, 2011., Wednesday, Faculty of Pharmaceutical Sciences (Harelbekestraat 72, Ghent, Belgium)

9:45 A taxi will pick you up at Hotel Ibis Opera  
10:00 – 10:15 Project status up-date, administrative issues (MFKK)  
10:15– 10:30 Project technical status update  
- Deliverables submitted  
- Past and coming tasks  
10:30 – 11:15 Status of WP2 (Correlation between DON in grain and DON in air/dust)- HOGENT  
- Results of simulation (task 2.2)  
- Status of comparative measurements (task 2.3)  
- Further work plan  
11:15– 11:30 *Coffee break*  
11:30 – 12:15 Status of WP3 (Antibody development and characterization) - UGENT  
- Status of immunization (task 3.2)  
- Status of cell fusion (task 3.3)  
- Further work plan  
12:15 – 12:30 Status of WP4 - MFKK  
- Status of development of dust collection unit (task 4.1)  
- Further work plan  
12:30– 12:45 Status of WP5 - ULUND  
- Ideas for antibody selection task 5.1  
- Further work plan  
13:00 – 14:00 *Lunch*  
14:00– 14:45 Visiting Ghent University laboratories  
14:45 – 15:30 Status of other WPs  
- Status of WP9 and WP10 – MFKK  
- opened discussion  
15:30 – 15:45 Schedule of next meetings, any other business

### The following meetings will be organized:

- M12 project general meeting will be held in Rethymno Crete in Hotel Orion (<http://www.orionhotelcrete.com/>) by EASRET and BIOFOR. The partners agreed **19-20 September 2011**.
- The M15 meeting will be held in Lund, Sweden, organized by ULUND.

## Patent Watch

### *Mycotoxin Insurance: Alltech Successfully Defends Technology; Patent Upheld for Next 8 Year*

*Inventors: Howes; A. Dean (Nanpa, ID), Newman; Kyle E. (Corinth, KY)*

*Assignee: Alltech, Inc. (Nicholasville, KY)*

*Appl. No.: 09/293,068*

*Filed: April 16, 1999*

*Current U.S. Class: 426/2; 426/656; 426/807*

*Current International Class: A23K 1/00 (20060101); A23K 1/175 (20060101); A23K 3/00 (20060101); A23K 001/06 ()*

*Field of Search: 424/406, 442 435/259,255.1 426/2,286,335,656,655,623,807*

*[Lexington, KENTUCKY] - Alltech has once again successfully defended its technology and innovation. The United States Patent and Trademark Office confirmed the validity of U.S. Patent No. 6,045,834 C1, which pertains to Alltech's unique composition for binding and inactivating mycotoxins in animal feed, as well as the process for forming the main ingredient. The patent will remain in place through April 16, 2019.*

*Alltech's mycotoxin innovation has a proven scientific backbone that includes eight patents and 52 peer-reviewed papers. An additional 17 PhDs and 19 Master's have been completed through 14 years of research on the technology.*

*For more information, please visit:*

*<http://www.alltech.com/en/news-events/releases/Pages/mycotoxin-patent.aspx>*

## Patent Watch

### *Drought Tolerant Corn with Reduced Mycotoxin*

*Inventors: Donald Anstrom (Pawcatuck, CT, US) Bruce Hammond (Charles, MO, US-  
US) John Headrick (Newbury Park, CA, US) Jacqueline E. Heard (Webster Grove,  
MO, US)*

*IPC8 Class: AA01H510FI*

*USPC Class: 800279*

*Class name: The polynucleotide confers pathogen or pest resistance*

*Publication date: 04/16/2009*

*Patent application number: 20090100544*

*Transgenic corn plants having recombinant DNA for expressing a protein or proteins that provides water-deficit tolerance have improved yield under water deficit conditions and improved fungal resistance, and exhibit lower levels of colonization by mycotoxins in grain that is harvested from plants that experience water deficit tolerance.*

*For more information, please visit:*

*<http://www.faqs.org/patents/app/20090100544#ixzz1UQU1iTFX>*

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## Conferences

### *Power of Fungi and Mycotoxins in Health and Disease, Croatian Microbiological Society, Primosten, Croatia*

***It is our great pleasure to invite you to the symposium “Power of Fungi and Mycotoxins in Health and Disease”, which will be held in Primošten, Croatia from 19 to 22, October 2011.***

The symposium will cover current topics in mycology and mycotoxicology with the aim to bring together scientists from many different disciplines, including applied and clinical mycology and mycotoxicology. Primošten is an attractive tourist city at the Adriatic coast situated between Split and Šibenik which is easily accessed by airplane (35 km from Split Airport) and/or by bus. This “pearl” of Adriatic coast with picturesque landscapes, vineyards protected by UNESCO and people's hospitality make excellent place for exchanging ideas and promoting scientific contacts among mycologists and mycotoxicologists from Europe and broader.

*The organisation of the symposium is supported by FEMS enabling grants for young scientists and invited speakers. All necessary details will be announced on the symposium web-site.*

*For more information, please visit:*

<http://www.bmd-cms.hr/power-of-fungi/>



## Conferences

### *5th International Symposium on Recent Advances in Food Analysis Prague, Czech Republic*

*This conference will be held on 1-4 November 2011, in Prague, Czech Republic.*

*On behalf of the Institute of Chemical Technology, Prague (ICT Prague, Czech Republic) and RIKILT - Institute of Food Safety (Wageningen, the Netherlands), we would like to invite all food researchers and representatives of national and international agencies, control bodies, governmental and commercial laboratories and industry to attend the 5th International Symposium on Recent Advances in Food Analysis (RAFA 2011).*

In line with previous events, the RAFA 2011 will focus on RECENT ADVANCED ANALYTICAL & BIOANALYTICAL TECHNOLOGIES AND EMERGING FOOD-RELATED APPLICATIONS in following areas:

- Allergens,
- Flavours and odours,
- Genetically modified organisms (GMO's),
- Industrial contaminant
- Mycotoxins, marine and plant toxins,
- Ect.

For more information, please visit:

<http://www.rafa2011.eu/>

