

HYST TECHNOLOGY FOOD AND SUSTAINABLE ENERGY FROM BIOMASSES

Montelibretti (Rome), 23rd February 2012 , 10.00 -13.00

PROGRAMME

• WELCOME GREETINGS

Mr. Renzo Simonetti, Head of Research Area, CNR Rome 1

• HYST TECHNOLOGY FOR SECOND GENERATION BIOFUELS

*Pier Paolo dell'Omo, University of Rome La Sapienza – DIAEE
(Department of Astronautical, Electrical and Energy Engineering)*

• HYST TECHNOLOGY FOR ANIMAL FEED

Luca Malagutti, University of Milan - DSA (Animal Science Department)

• BY-PRODUCTS OF AGROFOOD INDUSTRY FOR FUNCTIONAL FOOD

*Francesca Luciani – Istituto Superiore di Sanità (ISS)
Center for Immunobiological Research and Evaluation (CRIVIB)*

11.30-11.45 coffee break

• HYST TECHNOLOGY IN SUPPORT OF DEVELOPING COUNTRIES

Luca Urdich –Scienza per l'Amore Association

• ECONOMIC OUTLOOK: THE ITALIAN SCENARIO

Daniele Lattanzi – BioHyst

• DISCUSSION

The CNR Research Area Rome 1 and Scienza per l'Amore Association, in collaboration with BioHyst, are organising the Study Conference: **"HYST Technology: Food and Sustainable Energy from Biomass"**. HYST technology (Patent Application WO 2011/061595A1) is a system for treating biomass which, through a purely physical action, breaks down plant structures via multiple high speed collisions between fragments of material being processed. It is therefore a simple procedure, at low cost with zero environmental impact; an alternative to common processes which modify matter via chemical and thermochemical procedures.

Results achieved so far justify the belief that the HYST system can be a solution for enhancing the use of biomass, among which residues and by-products, in order to harmonize food and energy needs. Using the same biomass for more than one purpose is the turning point of this project: a resource for food, energy, chemical and pharmaceutical industries. HYST technology stems from a humanitarian project, today called *Bits of Future: Food for All*, promoted by the Scienza per l'Amore Association. The aim of this project is to sustain growth in Developing Countries by optimising, through HYST, the use of local resources to fight hunger, poverty and energy shortages.

Within this context, this Conference intends to represent an opportunity for encounter and discussion between researchers, socio-economic reality and industry, in order to analyse the results achieved and trace out new routes for research and development.



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