

The CRA-W

Established in 1872, the Walloon Agricultural Research Centre (CRA-W) is a leading scientific institution, under the Walloon Ministry of Agriculture. CRA-W employs some 450 people including 120 scientists. Its offices, laboratories, greenhouses, orchards and experimental fields cover an area of about 300ha.

CRA-W has developed expertise in: plant breeding, genetic engineering, plant genetic resources management, integrated plant protection, farming systems analysis, agricultural engineering and agro-meteorology, optimisation of agricultural food productions and analysis and quality control of agro-food products.



In collaboration with :



ORGANISATION and INFORMATION

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The Interdepartmental Research
Unit « BIOETHA2 »
Organizes a workshop on

« Biofuel Production Sustainability»

Thursday 26th June
8h30

Département Qualité des
Productions agricoles
24, Chaussée de Namur
B-5030 Gembloux

Registration before the 23th of June
at the :
00 32 81 62 03 50
Registration fees : 5 € (sandwiches)

The exploration of the territorial stakes linked to the development of biofuel production

The definition of new alternatives in terms of renewable energy production is a priority in order to maintain the development of our societies. The current target is, in Europe, to cover 10 % of our fuel needs by renewable biofuels in 2020. One of the alternatives is based on biofuel production from energy plants. Nevertheless, current process, valorise the richest part of these crops, with a high sugar, starch or oil content. So they lead to low energy yields : an important part of the energy produced is re-injected in the production process (fertilisers, ...).

An alternative seems to be the production of 2nd generation biofuels aiming to valorise all the plant with a special attention to the transformation of the ligno-cellulose fractions (hemi-cellulose, cellulose and lignin) in order to reach an efficiency close from 70 %.

Nevertheless, numerous questions remain before to reach such a target. The aim of this project is to explore some of these questions in order to find sustainable solutions.

The aim of this workshop is to initiate the first step of the foresight exercise wanting to identify the possible scenarios allowing to reach European target in our region with their positive and negative externalities. This will be done in parallel to the establishment of cropping references, coupled to ecological balance, under our soil and climatic conditions, for energy plants productions.

9h00 : Accueil

9h15 : Introduction (Dr. P. Meeus - Director from the CRA-W)

9h30 : "BIOETHA2" project: context and objectives (Dr. J. Delcarte - CRA-W)

9h40 : Pertinence(s) from agro (bio) fuels in our region : action plan (F. Ghysel - CRA-W)

10h00 : US Biofuel : an agro-environmental perspective (S. Gillon - University of California, Santa Cruz)

10h45 : Pause Café

11h00 : Environmental, economical and social sustainability parameters for biofuel (Dr. Y. Schenkel - CRA-W)

11h30 : Biofuel from rapeseed : potentialities in Walloon Area (Dr. G. Sinnaeve - CRAW)

12h00 : Discussion animated by Prof. Ph. Baret (UCL)

12h30 : Sandwiches