**SYMPOSIUM REGISTRATION PACK**

**Bucharest, May 16-17, 2013**
Novotel Hotel, Bucharest City Centre

The consortium of the FP7 REDNEX European project

*in collaboration with the*

**National Research-Development Institute for Animal Biology and Nutrition, Romania (INCDBNA)**

and

● Vitfoss Romania Ltd
● Holstein.ro Farmers Association
● Association of Animal Science Nutritionists
● General Association of Cattle Farmers, Romania
● National Federation of Bovines Breeders, Romania

Invites you to attend the symposium

**“Improving Nitrogen Efficiency on Dairy Farms”**

The symposium will disseminate results of FP7 REDNEX and other European & national projects that are relevant for the efficiency of nitrogen in the dairy sector. The main topics are:
- protein nutrition of dairy animals,
- socio-economics,
- manure management,
- whole farm nitrogen balance,
- feed resources

The event will include:

- Several lectures on applicable results obtained from FP7 REDNEX and other projects
- A call for papers on subjects related to the nitrogen efficiency in dairy farms
- Discussions/debates on topics that are of interest

Invited audience: dairy farmers, milk processors, feed producers, agri-food consultants, decision factors, scientists & academia, professional media, etc.
### ORGANISING COMMITTEE

Cledwyn THOMAS – EAAP, Italy  
Ad Van VUUREN – Wageningen UR Livestock Research, Netherlands  
Pamela CANAVACCI – EAAP, Italy  
Horia GROSU – INCDBNA, Romania  
Catalin DRAGOMIR – INCDBNA, Romania  
Pamela CANAVACCI – EAAP, Italy  
Horia GROSU – INCDBNA, Romania  
Catalin DRAGOMIR – INCDBNA, Romania  
Pamela CANAVACCI – EAAP, Italy  
Horia GROSU – INCDBNA, Romania  
Catalin DRAGOMIR – INCDBNA, Romania

### SCIENTIFIC COMMITTEE

Catalin DRAGOMIR – Romania  
Viktor JURKOVICH – Hungary  
Maria CHRENKOVA – Slovakia  
Sema YAMAN – Turkey  
Vardan URUTYAN – Armenia  
Marian PETKOVA – Bulgaria  
Kristaq KUME – Albania  
Dan DRINCEANU – Romania  
Dumitru DRAGATOIU – Romania  
Cornel PAN – Romania  
Mircea NICOLAE – Romania  
Mircea POP – Romania  
Aurel SARA – Romania

### Official language

The official languages of the symposium are English and Romanian. Simultaneous translation (on headphones) will be provided.

### Registration

Please fill in the attached registration form and return it to registration@rednex-fp7.eu by specifying "Bucharest symposium“ in subject. There is no registration fee.

### Call for Papers

There will be a limited opportunity to present offered papers. Beside the registration form you will need to submit an abstract as email attachment to registration@rednex-fp7.eu before the 28th of April 2013.

The abstract should be written in English in Word and contain the specific objectives, experimental methods and statistical analyses used, together with a synthesis of the results and conclusions. The title, authors and the abstract must not exceed 2250 characters (including spaces).

For style please refer to abstract published for EAAP annual meetings: http://www.eaap.org/Previous_Annual_Meetings/2012Bratislava/Bratislava_2012_Abstracts.pdf.

### Symposium venue & Accommodation

The symposium will take place at the Novotel Bucharest City Centre. Information on the hotel can be found on http://www.accorhotels.com/gb/hotel-5558-novotel-bucharest-city-centre/index.shtml

Further information will be provided on alternative accommodation and also travel advice.

### Financial support

The REDNEX project is also able to offer financial support of up to 500 euro, and exceptionally up to €1000/person, to help young scientists from the target countries (in case of Bucharest symposium - Romania, Moldavia, Bulgaria, Albania, Armenia, Georgia, Turkey, Hungary and Slovakia) to attend the meeting.

For details please check the attached form and information.
PROVISIONAL PROGRAMME
“Improving Nitrogen Efficiency on Dairy Farms” SYMPOSIUM

Thursday, May 16, 2013
12.30-14.00 – Registration and Lunch
14.00h – 16.00h First session
Welcome
Introduction of the FP7 Rednex project-
Setting the Scene
  Local (Regional) situation of the milk industry in the future
  Overview of environmental impact of dairy farming in Europe
Improving efficiency by the cow
  Feed evaluation
  Feeding systems comparisons
  Feeding strategies and the use of supplements
Poster Viewing and Reception
Conference Dinner

Friday, May 17, 2013
8.30-9.00 – Registration
9.00h – 13.00h Second session
Improving the efficiency of manure use
  Housing
  Manure storage
  Application of manure
Pasture and crop management strategies
Improving efficiency at Farm scale
  Economics - Efficiency of Protein/N use and profitability
  Whole farm models to predict efficiency and environmental impact

12.30h-13.30h Lunch

13.30h – 16.00h Workshop- Setting the regional priorities
Regional priorities for
  Improving nitrogen efficiency at animal scale
  Improving nitrogen efficiency at farm scale
Presentation of closely related EU FP7 projects
  FP7 Animal Change
  FP7 Ruminomics
16.00h - Closing of the conference
The project is coordinated by Ad van Vuuren of ASG Voehouderij B.V. in the Netherlands and involves ten other partners:

- Institut National de la Recherche Agronomique, France
- University of Aarhus, Denmark
- University of Reading, United Kingdom
- Aberystwyth University, United Kingdom
- Wageningen Universiteit, Netherlands
- Universiteit Gent, Belgium
- Universitat Autonoma de Barcelona, Spain
- Slovenske Centrum Potrosne Podpravke, Slovakia
- Friedrich Löffler Institut, Bundesforschungsinstitut für Tiergesundheit, Germany
- European Association of Animal Production, Italy

INNOVATIVE AND PRACTICAL MANAGEMENT APPROACHES TO REDUCE NITROGEN EXCRETION BY RUMINANTS.
EU FP7 PROJECT

OBJECTIVES
The objective of REDNEX is to develop innovative and practical management approaches for dairy cows to increase efficiency of N use. This will reduce N excretion into the environment through the optimization of rumen function, an improved understanding and prediction of dietary N utilization for milk production, and excretion in urine and faeces. The specific objectives within this project are:

- Developing standardized rapid tools to measure fermentation characteristics of feeds in the rumen to predict protein degradability and available fermentable organic matter for microbial synthesis
- Improving feeding strategies by optimising degradable amino acid (AA) flow from bypass feed protein and microbial protein while reducing total N intake
- Improving feeding strategies based on better understanding of AA absorption, metabolism and conversion to milk protein
- Improving feeding strategies to stimulate N recycling within the animal while reducing total N inputs
- Developing biomarkers in urine, plasma or milk to allow the evaluation and prediction of the rumen and animal N status in dairy cows
- Developing and expanding predictive models of N output at the cow and herd levels, contributing to a harmonisation of methods to estimate N output of dairy farms within the EU

![Diagram showing the nitrogen cycle and interaction between feed, animal, and environment]