



**Bâtiments  
d'élevage  
du futur**



# EUROPEAN FORUM Livestock housing for the future



OCTOBER 22/23 2009 - LILLE (FRANCE)

***Within a context of major reorganisation and adaptation of livestock housing to meet tomorrow's issues, this forum provides an overview of recent and current research and extension initiatives, with the aim of creating together a coherent visualisation of what will be livestock housing of the future.***

With plenary presentations, workshops for each sector and conversations around the poster presentations, we look forward to facilitating contacts between livestock housing specialists from different countries who have common or complementary interests. We intend to create the first links in a network of European skills involving the participants in livestock housing research and development for ruminants (cattle, sheep, goats) and monogastrics (pigs and poultry).

There will be a wealth of useful contacts as representatives from over 15 countries are already confirmed: Germany, Belgium, Bulgaria, Denmark, France, Greece, Ireland, Italy, Holland, Portugal, United Kingdom, Slovakia, Sweden, Switzerland...

## **PARTICIPANTS**

The forum is intended for researchers, farmers' advisors - consultancy, teachers.

## **THE ORGANISERS**

This forum is organised by "RMT\* Livestock housing of the future which" is co-presented by the Institut de l'Élevage (French Livestock Institute) and the Chamber of Agriculture of La Manche, in close collaboration with the Pig Breeding Technical Institute (IFIP) and Poultry Breeding Technical Institute (ITAVI), and also the French Chambers of Agriculture network. The ISA Lille (Life and Earth Engineering Institute) also supports this event.

\* A RMT is a framework, proposed by the French Ministry of Agriculture and Fishing, which will encourage exchanges and the emergence of research projects / experimentation / extension / training around a specific theme.

# Thursday 22 October 2009

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## 9.00 am - Registration

**10.00 am - Forum opened by Daniel Grémillet, co-chairman of the Permanent Assembly of the French Chambers of Agriculture (APCA)**  
Welcome address delivered by Pascal Codron, ISA Lille director

## 10.30 am - Plenary session "Housing - Energy - Landscape"

Chairman: Prof. Jorge Meneses, Higher Institute of Agronomy, Lisbon (Portugal)

👉 4 presentations, 30 minutes each:

- A method to diagnose energy consumptions of livestock buildings (Michel Marcon, IFIP - Pig Breeding Technical Institute, France)
- Combined electrical and thermal use of photovoltaic panels in rural buildings (Ludo Van Caeneghem, ART, Switzerland)
- A method and a charter to engage a green design of farm buildings (Jean-Yves Blanchin, Institut de l'Élevage - French Livestock Institute)
- Combining farm building and rural landscape (Hervé Cividino, CAUE du Loiret, France)

## 12.30 pm - Lunch

## 2.00 pm - Plenary session "Low cost housing - cost reduction"

Chairman: Paolo Zappavigna, University of Bologna (Italy)

👉 5 presentations, 30 minutes each:

- Out-wintering pads - French experiments and references (Jean-Luc Ménard, Institut de l'Élevage - French Livestock Institute)
- Out-wintering pads for beef cattle; factors affecting improved performance (Padraig French, Teagasc, Ireland)
- Woodchip pads for sustainable out-wintering of cattle (Paolo Dumond, IGER, UK)
- Simplified cubicle housing systems for cattle (Jean-Luc Ménard and Jacques Capdeville, Institut de l'Élevage - French Livestock Institute)
- Building and labour cost in dairy production depending on herd size, level of mechanization and building construction (Kristen Sällvik, SLU - Swedish University of Agricultural Sciences, Sweden)

## 5.00 pm - Plenary session "Housing and working conditions"

Chairman: Joop Lensink, ISA Lille (France)

👉 3 presentations, 30 minutes each:

- Farm buildings and working conditions in goat farms: current situation in Trás-os-Montes (Portugal) and future developments (José-Carlos Barbosa, CIMO-Escola Superior Agrária de Bragança, Portugal)

- Taking working conditions into account in the design and layout of livestock housing (Jean-Charles Commandré, OIER-SUAMME, France)
- Trying to define the optimal attitude to an improved welfare for both animal and man in the physical contacts linked to breeding activities; "BEHATTITUDE" (Serge Ourliac, Bergerie Nationale de Rambouillet, France)

### 7.00 pm - End of day one

### 8.00 pm - Informal dinner in Lille town centre

## WORKING LANGUAGES

The plenary sessions will be given in French or English, there will be simultaneous interpretation in these two languages.

The workshop presentations will be in either French or English and will not be translated.

The participants can choose to have the papers from the sessions in either French or English.

# Friday 23 October 2009

## 8.30 am - Workshops for each sector

↳ 3 presentations, 30 minutes per workshop:

### Ruminant housing workshop

Chairman:  
Jacques Capdeville  
(Institut de l'élevage)

- Design of walkway floors for dairy heifers and cows in loose housing systems (Michael Ventorp, SLU - Swedish University of Agricultural Sciences)

- A simulating model to evaluate the performances of robotized traditional milking parlours (Paolo Liberati, University of Bologna, Italy)

- A simulation model to predict the internal climatic condition in livestock houses as a tool for improving the building design and management (Paolo Zappavigna, University of Bologna, Italy)

### Pig housing workshop

Chairman:  
Claude Aubert  
(ITAVI)

- Some experiments to recover heat from the poultry buildings (Audrey Bonnouvrier, Chamber of Agriculture of Pays de la Loire, France)

- Innovative solutions for pasture based poultry production systems (Evangelia Sossidou, NAGREF - National Agricultural Research Foundation, Greece)

- How to give a positive value from integrating in the landscape the outside areas of the open-air poultry housing systems (Sophie Lubac, ITAVI, France)

### Poultry housing workshop

Chairman:  
Michel Marcon  
(IFIP)

- A new prefabricated 3.200 sows pig unit and its environmental impact assessment (Jorge Ferro Meneses, CEER - Instituto Superior de Agronomia, Portugal)

- Noise in animal housing (Jan Venglovsky, University of Veterinary medicine in Kosice, Slovakia)

- Fresh liquid manure: how to scrape out frequently the liquid manure from the piggeries (Brigitte Landrain, Pig Group - Chambers of Agriculture of Brittany, France)

## 10.15 am - Poster session

The participants will have the chance to discuss the posters with their authors.

### 11.00 am - Plenary session "Housing and the environment"

Chairman: Krister Sällvik, Swedish University of Agronomical Sciences (Sweden)

👉 2 presentations, 30 minutes each:

- Manure management, hygienic conditions and greenhouse gas emissions in dairy farms using recycled manure solids as bedding for cows (Paolo Ferrari, CRPA Regio Emilia, Italy)
- Reduction of odour and odorant emissions from slurry stores by means of straw covers (Victoria Blanes-Vidal, University of Southern Denmark)

### 12.00 pm - Lunch

### 1.30 pm - Plenary session "Housing and animal welfare"

Chairman: Josi Flaba, Directorate-General for Agriculture of the Walloon Region (Belgium)

👉 4 presentations, 30 minutes each:

- Increasing milk yield by improving cow comfort (Frank Van Eerdenburg, Vet Faculty Utrecht, The Netherlands)
- Future challenges in animal buildings due to emerging hot climate conditions in Portugal (Fatima Batista, University of Évora, Portugal)
- Automatic on-line monitoring of animal health and welfare by precision livestock monitoring (Daniel Berkman, Catholic University Leuven, Belgium)
- Relations between housing conditions and animal welfare (Isabelle Veissier, INRA, France)

### 3.45 pm - Closing address

delivered by André Le Gall, Livestock Institute (France)

### 4.00 pm - End of forum

# Useful Informations

## INFORMATION – INSCRIPTION

Bernadette AROL  
Institut de l'Élevage - Agrapole  
23, rue Jean Baldassini  
69364 Lyon Cedex 07  
FRANCE

bernadette.arol@inst-elevage.asso.fr  
Tel. +33 (0) 4 72 72 49 70 - Fax +33 (0) 4 72 72 49 92

## VENUE - DIRECTIONS

The forum venue is the ISA Lille  
48, boulevard Vauban  
59046 Lille  
France

## HOW TO GET TO THE ISA

- **By train:** Lille has numerous daily services from many large cities in Europe, via Eurostar, the TGV or Thalys.

*From the stations Lille Europe or Lille Flandres:*

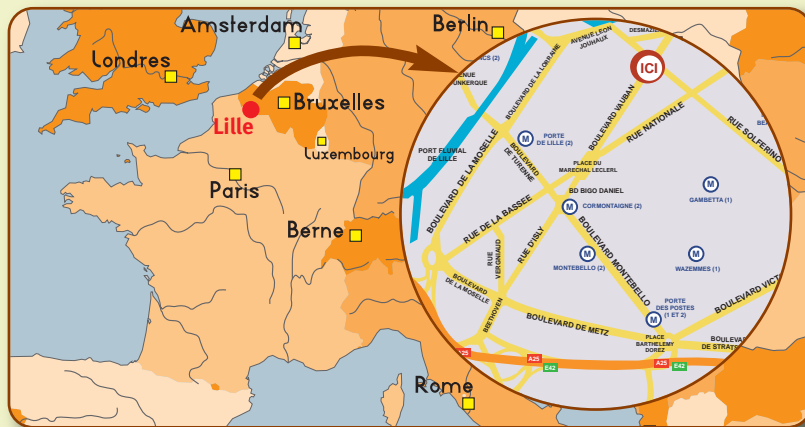
- take the Citadine bus Line C1-C2, get off at the Université Catholique stop which is right opposite ISA
- or Metro line 2, Cormontaigne station

## (... Continuation) Useful Informations

For more information on public transport in Lille:  
[www.transpole.fr](http://www.transpole.fr)

- **By Plane:** take a taxi from Lille Airport to the ISA
- **By car:** from Paris, Valenciennes or Tournai via the autoroute, follow the signs to "Dunkerque" (A25), then take Exit 5 "Lille centre/ Port Fluvial / Lambersart"  
Go straight over the lights and the roundabout and you are on Boulevard de la Moselle. Then follow the map below.

**Parking:** Champ-de-Mars (opposite the Boulevard Vauban - Boulevard de la Liberté crossroads). *Please note it is very difficult to find somewhere to park around the ISA.*



## PLACES TO STAY

The participants are responsible for finding somewhere to stay. Lille has many hotels, below you will find a selection of hotels close to the venue.

Citea Lille-Vauban  
17 rue Colson  
Tél. +33 (0) 3 20 15 43 00

Hôtel Kanai  
10 rue de Béthune  
Tél. +33 (0) 3 20 57 14 78

Best Hôtel  
66 rue Littré  
Tél. +33 (0) 3 20 54 00 02

Novotel - Lille Centre  
116 rue de l'Hôpital militaire  
Tél. +33 (0) 3 28 38 53 53

Hôtel Express Holliday Inn  
75 rue Léon Gambetta  
Tél. +33 (0) 3 20 42 90 90

## PARTICIPATION

100 euros net VAT, this includes participation in the forums on 22 and 23 October, the papers, the lunches on 22 and 23 October and the dinner on 22 October.

Payment by cheque made out to Institut de l'Élevage or by bank transfer:

Domiciliation : PARIS C.AFF.RENNES						
Institut de l'Élevage 149 rue de Bercy – 75012 PARIS - France						
IBAN						
FR76	1820	6002	8042	5001	9200	135
BIC (Bank Identifier Code) : AGRIFRPP882						

# Booking form

Surname.....

First Name.....

Organisation.....

Address.....

Postcode..... Town.....

Country.....

Tel..... Fax.....

e-mail.....@.....

- I would like to book for the Livestock Housing for the Future Forum which will be held on 22 and 23 October 2009 in Lille.*

*I will be :*

- giving a presentation*  
 *presenting a poster*

*I am paying by :*

- Cheque made out to Institut de l'Elevage*  
 *Bank transfer*



Return before  
1<sup>st</sup> October 2009 to:

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