

## Animal Health

- Climate change: an overview of the consequences for animal diseases and animal health  
*Jean-Pierre Lacaux, Université Paul Sabatier, France*
- New disease threat case study: Blue Tongue and Rift Valley Fever in livestock: A climate change perspective  
*Renaud Lancelot, CIRAD Montpellier, France*
- Distribution of ticks and tick-borne diseases in relation to climate change. Illustration with soft and hard ticks  
*Gwenaël Vouch, INRA Epidemiology, Clermont France*
- Ticks and Tick-borne diseases of livestock in North Africa, present state and potential changes in the context of global warming.  
*Mohamed Aziz Darghouth and Ali Bouattour, Ecole Nationale de Médecine Vétérinaire/ Institut Pasteur de Tunis, Tunisia*

## Case studies

- The challenge of sustainability to design the future dairy farms  
*Philippe Faverdin, INRA-UMRPL Rennes, France*
- Adapting intensive livestock systems  
*ICARDA*
- Potential of sheep production systems in Central Asia and Syria for adapting to climate change  
*Barbara Rischkowsky and Luis Inñiguez, ICARDA*
- Mitigating ruminants' methane emissions; from the animal to the farm scale  
*Cécile Martin, INRA URH Theix, France*

## The animal science we need

- Workshops to help identify R&D priorities in mitigation and adaptation
- Update on FP7 – what needs to be done

Submitted papers (short theatre or poster) are welcome. Please send titles to bsas now. Summaries will be needed by end February 2008. For details see [www.bsas.org.uk](http://www.bsas.org.uk)



Courtesy of Tunisian Tourism Office



## Livestock and Global Climate Change 17-20 May 2008 Hammamet, Tunisia

An International Conference to synthesise the latest scientific findings on:

- *predictions of climate change;*
- *the contribution that livestock production makes to these changes;*
- *how livestock production can help to mitigate them;*
- *how global supply of livestock products will be affected by climate change;*
- *how livestock production systems must adapt;*
- *future scientific priorities to address these issues.*

BSAS, INRA, ICARDA, EAAP, OEP, IRESA, CIRAD, ILRI, ESF  
International Conference - for further information [www.bsas.org.uk](http://www.bsas.org.uk)

# Livestock and Global Climate Change

## 17-20 May 2008

### Hammamet, Tunisia

This conference looks at the background to global climate change and actual and potential impact on livestock and production systems with strategies to reduce or mitigate negative aspects. Case studies will offer examples of solutions for different climatic zones and production systems. Participants will include policymakers, knowledge transfer experts and leading scientists who have contributed to the Intergovernmental Panel on Climate Change (IPCC) which was recently honoured with the co-laureate Nobel Peace Prize.

## Programme

### Setting the scene

- The latest scientific evidence of climate change and future predictions  
*Robert Watson, Chief Scientific Adviser, Defra, UK*
- Livestock's long shadow – livestock's role in global climate change  
*Henning Steinfield, FAO*
- The consequences of global warming for agriculture and food production  
*Bernard Seguin, Head INRA Climate Change Program, France*
- The role of the carbon cycle for the greenhouse gas balance of livestock production systems  
*Jean-François Soussana, INRA Agronomy, France*

### Food for thought

- Impacts of competition for land use  
*Chris Pollock, University of Aberystwyth, UK*
- Water and livestock  
*Theib Oweis and Don Peden (ICARDA & ILRI)*
- Vulnerability of poor livestock keepers  
*Philip Thornton, ILRI*
- Impacts on livelihoods  
*Chris Garforth, Reading University, UK*
- Livestock and Climate Change - Coping and risk management strategies for a sustainable future  
*Ahmed Sidahmed, ICARDA*

## Mitigation

- Agriculture's role in mitigating global climate change  
*Maggie Gill & Pete Smith, University of Aberdeen, UK*
- Reducing greenhouse gas emissions from livestock - some economic considerations  
*Dominic Moran, SAC, UK*
- Developing management and systems to assist mitigation  
*Jean-Yves Dourmad INRA-SENAH Rennes, France*
- Nutritional routes to attenuate heat stress in pigs  
*David Renaudeau, INRA URZ, Guadeloupe*
- Nutritional routes to mitigation (ruminants)  
*Frank O'Mara, TEAGASC, Ireland*
- Developing breeding schemes to assist mitigation  
*Eileen Wall & Geoff Simm, SAC, UK*

## Adaption

- Adapting livestock production systems to climate change - tropical zones  
*Reg Preston, Colombia*
- Adapting livestock production systems to climate change - temperate zones  
*Peter Rowlinson, University of Newcastle, UK*
- The role of farm animal genetic resources  
*Irene Hoffmann, FAO*
- How to use climate information for livestock/pasture impact studies
- Adapting livestock production to the changing climate: the Australian experience  
*Ron Leng, UNE, Armidale, Australia*

*(continued overleaf)*

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