

Conference

Danish Cattle: Powered by Science

"Danish Cattle: Powered by Science" is an international conference for representatives from the industry. **80 Danish and international guests** are already confirmed to attend the conference which will be held at Aarhus University Foulum in Central Denmark Region.

Activities: Plenary sessions, networking activities, workshops and site visits.

Danish Cattle Goes Global

The Danish cattle sector is among the most modern and most well developed in the world, with a strong focus on environment, food safety, efficiency and competitiveness at the same time. The industry is of great importance to the Danish society, providing more than 45.000 jobs and an annual turnover reaching 7.5 billion euros.

The high competitiveness of the Danish dairy and cattle farms and the industry as a whole is the result of a strong tradition for close cooperation between universities, knowledge centers, companies and farmers. This tradition can be supplemented and improved further through an even stronger international cooperation. Even greater competitiveness can be achieved by promoting systems and concepts instead of single product solutions.

The purpose of the conference is to catalyze further co-operation within the industry, and to present state of the art Danish solutions for a sustainable cattle industry in an international context. The conference will pave the way for further cooperation between Danish companies and knowledge institutions - stimulating Danish systems and concepts for economic and environmentally sustainable cattle production.

The conference visitor will get the chance to hear experts present their newest results while having the opportunity to network with key stakeholders within the industry. Danish Cattle: Powered by Science is also the conference where future industry challenges will be discussed.

Date: 1st of May 2014 from 9.30AM to 5PM.

Place: Aarhus University Foulum, Blichers Allé 20, 8830 Tjele - Main entrance

Initiators and organizers: Agro Business Park, GLOBALmidt, Aarhus University and S.A Christensen & Co.

Price: Free of charge. No show fee: 1000 DKK.

Language: English

More information: Project Manager Claus Mortensen, Agro Business Park, cm@agropark.dk

Sign up before 24th of April at:

https://auws.au.dk/Danish_Cattle_Powered_by_Science



Program – Danish Cattle: Powered by Science

Place: Auditorium

09.30-10.00

Registration and networking

Setting the scene: Danish Innovation and Export of services and technologies for sustainable cattle production in an international context.

Moderator: Mr. René Meyer Johannsen, Managing Director SAC



Research in support of the future dairy production by *Mr. Klaus Lønne Ingvartsen, Head of Department, Department of Animal Science, Aarhus University*



The future dairy farm – how we envision it at Dairy Campus, part of Wageningen University & Research Centre by *Mr. Kees de Koning, Managing director Dairy Campus*



World Class Cattle Production: Creating sustainable cattle and dairy production systems through innovation by *Mr. Jan Mousing, Managing Director, Knowledge Center for Agriculture*



Growth through cooperation – how Danish Food Cluster works toward higher value in the food value chain by *Ms. Lone Ryg Olsen, CEO, Danish Food Cluster*



The Danish agro industry and future export opportunities cattle technologies by *Mr. Allan Pedersen, Manager for The Danish Agro Industry and Agromek, The Danish Agriculture and Food Council*

The GoGlobal-partners (Danida, IFU, EKF and the Trade Council) provide advisory services and financial products by *Mr. Niels Egerup, Chief Adviser, Danida*

GoGlobal is a cooperation between Danida, Danish Trade Council, IFU and EKF. The four organizations provides various financial services related export or expansions abroad. During the lunch, it will be possible to meet with representatives from GoGlobal at the GoGlobal booth.

12.00-13.30

Standing lunch and networking: Meet representatives from research, innovation and export at the different booth, among other:

- Ph.D's and researchers from Aarhus University
- Sector experts from The Danish Trade Council from emerging markets
- Speednetwork with representatives from GLOBALmidt (export activities) and GoGlobal (export financing)
- Agrotech: Learn more about the Serviceplatform network
- Knowledge Centre for Agriculture (Dairy and Cattle Farming)

Focused sessions: Challenges in tomorrows cattle industry

13.30-15.30

The purpose of these sessions is to present new project result and catalyze new cooperation between companies, universities and knowledge institutions.

1: Production Management

Moderator Chief advisor Trine Barrett, Knowledge Centre for Agriculture

1. Rumination in feeding management by Ph.d. Malene Vesterager Byskov, VFL, Kvæg
2. Products for measuring rumination and rumen status by Ann Louise Christensen, RuminAct®
3. Compact total mixed rations by Advisor Katrine Bjørn and Advisor Vibeke Duchwaider, Heden og Fjorden
4. Mixer wagons for total mixed rations by Product manager Jesper O. Christensen, JF Stoll
5. Plenary discussion



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2: Welfare & Health Management

Moderator Head of Department Klaus Lønne Ingvartsen

1. The Opportunities and Challenges of China Dairy Sector by Chairman Caroline Li, Beijing GOKE Agriculture Machinery Co. Ltd, China
2. Biology and hardware – do that increase welfare by Professor Lene Munksgaard, Aarhus University
3. In-line technologies for dairy cow surveillance by Biological specialist Jens Yde Blom, Lattec I/S
4. Animal Health Economics as an integrated part of the veterinarian's advisory work by Senior scientist Søren Østergaard, Aarhus University
5. Plenary discussion



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3: Environment & Emission Management

Moderator Senior Consultant Peter Kai, Agrotech

1. Environmental technologies to reduce the environmental impact of dairy production by Senior Consultant Peter Kai, Agrotech
2. Hybrid ventilation in cow barns – a technology for substantial decrease of emissions by Development Director Erling Friis Pedersen, Agrifarm
3. High milk yield with low nitrogen output – a challenge for the Danish dairy production by Senior Advisor Ole Aaes, Knowledge Centre for Agriculture
4. Practical Solutions for Practical Challenges by Research & Development, Lars Smed Pedersen, Jørgen Hyldgård Staldservice
5. Emission of enteric methane from ruminants by Senior Scientist Peter Lund, Aarhus University.
6. Serviceinnovation Platform by Senior Consultant Thomas Krogh Hansen, Agrotech
7. Plenary discussion



15.30-17.00

Visit at either **A)** AU Biogas Plant, B) the Danish Cattle Research Centre, or **C)** Aarhus University cattle facilities



A. AU Biogas Plant: The world's largest plant for research purposes

The biogas plant at AU Foulum was commissioned in 2007 and is the world's largest plant for research purposes. It can be used by scientists and private companies - Danish and foreign - for projects in biogas production and slurry separation. The plant cost 25 million DKK to build and is expanded on an ongoing basis.

Animal manure, feed residues and silage from the animal houses at Foulum are used as feedstocks in the biogas plant. The biogas produced is used to generate heat and electricity with the electricity being sold to the national grid, and the heat being used to heat the research centre.



B. Danish Cattle Research Centre

The centre consists of a cowhouse for 210 dairy cows with milking robots as well as housing facilities for 150 offspring, 150 slaughter calves and 100 young calves. The buildings are modern Danish cattle houses, characterised by loose-housing system, uninsulated units and natural ventilation. The purpose of this centre is to have ultramodern facilities for practice-oriented cattle research. The resulting know-how is to contribute to continuous development and adaptation of Danish cattle farming.



C. Aarhus University cattle facilities

In the cattle section of the research center, Aarhus University have approximately 200 Holstein dairy cows. The stables are decorated differently, depending on the nature of research. In addition, a feed barn, up to 25 different feeds can be mixed each day. A section of the center includes 10-12 fistulaed dairy cows, which provides access to the rumen and the intestine.

GLOBALmidt is Central Region Denmark's export and internationalization program for small and medium sized enterprises. The program runs until the end of 2014 and aims to assist companies in the region to fulfill their ambition and potential through international partnership and export. The program is financed by the Central Region Denmark, the European Regional Development Fund and the participating companies.

The activities are organized and implemented by a consortium of partners. External consultants implement some activities. The partners in the GLOBALmidt project are Central Denmark Business Development Centre, Agro Business Park, VIA University College, Horsens and Central Denmark EU Office, Brussels.

For more information, please visit <http://startvaekst.dk/vhmidtjylland.dk/globalmidt>

