



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

Framtidens lantbruk / Future Agriculture

## A conference on a hot topic

Last fall, the report - *Turn down the heat — why a 4°C warmer world must be avoided* — was launched by the World Bank. The report, which was produced for the World Bank by the Potsdam Institute for Climate Impact Research, gained world-wide attention in media and among policy makers. Another report that will surely not pass by unnoticed, is the 5<sup>th</sup> Assessment Report of the IPCC which will be completed in 2013 and 2014.

Agriculture is one of the human activities that is most affected by climate change. Therefore, Future Agriculture wants to devote a day to the future of agriculture in a changing climate. The conference aims at providing an update on the effects of a changing climate on agriculture, and discussions about the preparedness in Sweden.

Future Agriculture encourages discussion and fresh thinking on agriculture in a changing world. We address the industry, organisations, government agencies, and researchers.

## Welcome!

**Programme:** Please turn to the back of the leaflet.

**Registration:** Please register at [www.slu.se/13-10-16](http://www.slu.se/13-10-16). no later than 9 October. (Registration is mandatory. Participation in the conference is free of charge).

**Venue:** Loftet and Undervisningshuset, Ultuna, Uppsala.

*Future Agriculture is a multidisciplinary research platform where researchers at SLU together with the agricultural sector, authorities and nongovernmental organisations work to develop research on sustainable utilisation of our natural resources, with the emphasis on agricultural production and land use.*

**Future Agriculture**  
**FRAMTIDENS**  
**LANTBRUK**

# Agriculture in a 4°C warmer world



**A day about Future Agriculture**  
Ultuna, Uppsala, 16 October 2013, 10–16

# Programme (If not otherwise stated, presentations will be held in English)

09.30	<b>Registration and coffee</b> (Place: Loftets stora sal. Unmanned wardrobe available)			
10.00–10.15	<b>Introduction to the day's event and a short presentation of the future plans of the research platform Future Agriculture</b> (Place: Loftets hörsal) <ul style="list-style-type: none"> <li>▪ Prof. Ulf Magnusson, Future Agriculture steering committee, SLU</li> <li>▪ Prof. Erik Westholm, Programme director of Future Agriculture, SLU</li> </ul>			
10.15–11.00	<b>Agriculture in a 4°C warmer world</b> (Place: Loftets hörsal) <ul style="list-style-type: none"> <li>▪ Dr Hermann Lotze-Campen, agricultural economist and chair of Research domain II: Climate impacts and vulnerabilities, Potsdam Institute for Climate Impact Research, Germany. In 2012, the institute produced the report Turn down the heat — why a 4°C warmer world must be avoided for the World Bank</li> </ul>			
11.00–11.15	<b>Leg stretcher</b>			
11.15–12.00	<b>Climate change — in what way is it already visible in Sweden and what may we expect from Swedish weather in the future?</b> (Place: Loftets hörsal) <ul style="list-style-type: none"> <li>▪ Pererik Åberg, meteorologist and journalist, Swedish public service television (SVT). To most Swedes, Pererik Åberg is a familiar face on the tv screen. He has presented the weather in Swedish tv since the end of the 1990 's, and in 2007 he hosted a tv series on climate change called "Vädrets makter"</li> </ul>			
12.00–13.30	<b>Lunch mingle with organic/locally produced food from Johanna &amp; Mat</b> (Place: Loftets stora sal)			
13.30–14.00	<b>Parallel session 1</b> (Place: Undervisningshuset [see below for details]). Unmanned wardrobe in room B			
	<p><i>In Swedish</i></p> <p><b>Markavvattning i Sverige 2.0</b> Det svenska klimatet förändras och ökade nederbördsmängder är att vänta. Anläggningarna för markavvattning är i stort behov av renovering och nyinvesteringar för att säkra en resurseffektiv markanvändning. Vem ska ansvara för det, och vem ska betala? Hur ska en resurseffektiv produktion vägas mot miljömål som rör natur, vatten och biologisk mångfald?</p> <ul style="list-style-type: none"> <li>▪ Tomas Johansson, chef för vattenenheten, Jordbruksverket</li> </ul> <p>Rum: F, Undervisningshuset</p>	<p><i>In English</i></p> <p><b>What is happening in Future Agriculture and is there something in it for me?</b> New project leaders in Future Agriculture present themselves and their projects. A chance to ask questions and to sign up for collaboration.</p> <ul style="list-style-type: none"> <li>▪ Sustainable protein consumption in Sweden, Anne Lundén, Associate prof., SLU.</li> <li>▪ Risks and threats to Swedish agricultural food production, Prof. Henrik Eckersten, SLU</li> <li>▪ Current structural changes in Swedish agriculture, Anders Wästfelt, Associate prof., SLU</li> </ul> <p>Room: C, Undervisningshuset</p>	<p><i>In English</i></p> <p><b>Growing needs for plant breeding</b> A changed climate will put plant that are currently used in agriculture to the test. Increased CO<sub>2</sub> -levels, increased precipitation and a prolonged growing season will have effects on plant physiology. So, which plant traits do we need in a changed Swedish climate? What is our readiness? What is done in plant breeding in Sweden to meet the challenges?</p> <ul style="list-style-type: none"> <li>▪ Jens Sundström, Associate prof. and External collaboration specialist, SLU</li> </ul> <p>Room: D, Undervisningshuset</p>	<p><i>In Swedish</i></p> <p><b>Mellan forskning och praktisk tillämpning</b> I projektet Gradvis hjälper Hushållningssällskapetets rådgivare lantbrukare att anpassa produktionen till klimatförändringarna. Forskningsresultat omsätts till konkreta råd. Vilka är de största utmaningarna i arbetet? Hur stor är efterfrågan hos lantbrukarna, och hur tas råden emot?</p> <ul style="list-style-type: none"> <li>▪ Line Strand, rådgivare, Hushållningssällskapet i Uppsala</li> </ul> <p>Rum: G, Undervisningshuset</p>
14.10–14.40	<b>Parallel session 2</b> , repetition of Parallel session 1 (see above)			
14.40–15.10	<b>Coffee break</b> (Place: Upper entrance hall, Undervisningshuset)			
15.10–15.50	<b>How does your organisation prepare for a 4°C warmer world?</b> (Place: Room L, Undervisningshuset) Discussion with and between representatives from Swedish authorities and organisations, lead by professor Ulf Magnusson of the Future Agriculture steering committee (SLU): <ul style="list-style-type: none"> <li>▪ Harald Svensson, Chief economist, Swedish Board of Agriculture (Jordbruksverket)</li> <li>▪ Ann Albihn, Associate professor, National Veterinary Institute (Statens veterinärmedicinska anstalt)</li> <li>▪ Bengt Persson, board member, The Federation of Swedish Farmers (Lantbrukarnas riksförbund)</li> </ul>			
15.50–16.00	<b>Closing of the conference</b> (Place: Room L, Undervisningshuset) <ul style="list-style-type: none"> <li>▪ Prof. Ulf Magnusson, Future Agriculture steering committee, SLU</li> </ul>			