

TradeM International Workshop 2016

Assessing climate change adaptation and mitigation options: The regional and policy dimension

Tromsø – Trondheim, Norway
on board of the Hurtigruten Coastal Express
9-12 October 2016

1

Aims and objective

It is well established that Europe will face considerable regional differences with regard to climate change. This requires the regional dimension of climate change for a spatially diverse European agriculture to be better understood. Studies of policies that enhance resilience in the food sector and that formulate policy recommendations have to take into account the spatial nature of agriculture and the regional dimension of climate change. The workshop will focus on applications and methodological advancements.

The event has three major **goals**:

- (i) to discuss adaptation and mitigation options of agricultural systems under climate change
- (ii) to study and assess regional approaches implementing adaptation and mitigation options in agriculture
- (iii) to advance policy implications of climate change for agriculture and food security

Keynote speakers

Peter Wehrheim	Head of Unit “Land Use and Finance for Innovation”, European Commission, DG Climate Action
Alan Matthews	Prof. em. Trinity College, Dublin
Eric Nævdal	Senior Research Fellow, Frisch Centre at the University of Oslo
Ignacio Perez Dominguez	Senior Researcher, Institute for Prospective Technical Studies (IPTS), JRC Seville

Program

Sunday, 9 Oct.

- Individual arrival
- Take the airport buss “Flybussen” (<http://www.flybussen.no/Tromsø>) to the city centre. The bus stops on the public bus stop on the opposite side of the parking garage when you leave the arrival hall. 10 min ride. Single fare: 60 nkr (6.50 €). The bus leaves after the arrival of any incoming airplane.
- Dinner at 20.00 at Scandic Ishavshotell (Fredrik Langesgate 2), just a few steps from the Hurtigruten quay and the last stop of the airport buss.
- A lecture on “Arctic agriculture or agriculture in the circumpolar region” will be given by a NIBIO-researcher
- Arrival of the boat at 23.45, walk to the boat. Cabins are reserved in the name of the participants.

2

Monday, 10 Oct.

- Workshop (see scientific program)
- Coffee break with activity organized by the crew, open to all participants
- Meals include non-alcoholic and alcoholic beverages
- Informal dress code
- Special menu at dinner

Tuesday, 11 Oct.

- Workshop (see scientific program)
- Coffee break with activity organized by the crew, open to all participants
- Meals include non-alcoholic and alcoholic beverages
- Informal dress code

Wednesday, 12 Oct.

- Check out cabins before 08.00.
- Breakfast until 08.30.
- Bus transfer to Trondheim airport at about 09.00 (arrival at airport at about 09.45).
- Individual departure

Scientific program: Overview

Time	Monday, 10 October		Tuesday, 11 October		
	Program	Boat	Program	Boat	
07.00-07.30	Breakfast	At sea	Breakfast	At sea	
07.30-08.00		Harstad			
08.00-08.30		At sea			
08.30-09.00	Invited session 1	At sea	Invited session 2	At sea	
09.00-09.30			Special session: RAPs in Europe		
09.30-10.00					
10.00-10.30					
10.30-11.00					Risøyhamn
11.00-11.30					Nesna
11.30-12.00	At sea	At sea			
12.00-12.30	Lunch	Sortland	Lunch	Sandnessjøen	
12.30-13.00		At sea			
13.00-13.30	Contributed session 1	Stokmarknes	Contributed session 3	At sea	
13.30-14.00		At sea			Contributed session 4
14.00-14.30		At sea			
14.30-15.00	Coffee break with activity	Raftundet	Optional (ad-hoc) working group meetings	Brønnøysund	
15.00-15.30		Trollfjorden			
15.30-16.00		At sea			
16.00-16.30	Contributed session 2	At sea	Coffee break with activity	At sea	
16.30-17.00			TradeM Business		
17.00-17.30					Leisure
17.30-18.00	Leisure	Svolvær	Leisure		
18.00-18.30					
18.30-19.00					
19.00-19.30	Dinner	At sea	Dinner	Rørvik	
19.30-20.00				At sea	
20.00-20.30					
20.30-21.00	Leisure	Stamsund	Leisure	At sea	
21.00-21.30					
21.30-22.00	Leisure	Stamsund	Leisure	At sea	
22.00-22.30					

Scientific program: Details day 1

Invited session 1			Monday, 10.10. 8.30-12.30
Chair:	Knut Øistad		
Presenter	Affiliation	Title	
Peter Wehrheim	DG Climate	EU proposals for GHG-emission reductions for non-ETS	
Alan Matthews	Trinity College, Dublin	Is agriculture off the hook in the EU's 2030 climate policy?	
Erik Nævdal	Frisch Centre, Oslo	Learning in dynamic resource management	

4

Contributed session 1: Risk and uncertainty in climate change					Monday, 10.10. 13.30-15.30
Chair:	Gabriele Dono				
Presenter	Affiliation	Co-authors	Title	Discussant	
Martin Schönhart	BOKU, Vienna	Erwin Schmid, Franz Sinabell	Uncertainties from Climate Change on Ecosystem Services of a Grassland Dominated Austrian Landscape	Heikki Lehtonen	
Heikki Lehtonen	LUKE, Helsinki	Jarkko Niemi, Xing Liu	Framework of stochastic gross margin volatility modeling of crop rotation with farm management practices	Andreas Meyer-Aurich	
Andreas Meyer-Aurich	ATB, Potsdam	Markus Gandorfer	Risk efficiency of irrigation to cereals in North-East Germany with respect to nitrogen fertilizer	Martin Schönhart	

Contributed session 2: Climate change adaptation					Monday, 10.10. 16.30-18.30
Chair:	Reimund Rötter				
Presenter	Affiliation	Co-authors	Title	Discussant	
Ahmad Hamidov	ZALF, Müncheberg	Martin Schönhart, Katharina Helming, Pier Paolo Roggero	Challenges of climate change adaptation pathways for soil services – examples from MACSUR case studies	Franz Sinabell	
Milena Jancic	Uni Novi Sad, Novi Sad		Climate change adaptation in maize production in Serbia	Ahmad Hamidov	
Franz Sinabell	WIFO, Vienna	Karin Heinschink, Christoph Tribl	Adaptation to climate change in the European agriculture: A new tool for explicit cost accounting	Milena Jancic	

Scientific program: Details day 2

Invited session 2			Tuesday, 11.10. 8.30-9.30
Chair:	Klaus Mittenzwei		
Presenter	Affiliation	Title	
Ignacio Perez	JRC, Seville	EU Impact analysis on GHG-emission proposal: Focus on agriculture	

Special session on RAPs for Europe					Tuesday, 11.10. 9.30-12.30
Chair:	Franz Sinabell				
Presenter	Affiliation	Co-authors	Title	Discussant	
Anne Biewald	PIK, Potsdam	Hermann Lotze-Campen, Franz Sinabell, Andrea Zimmermann	Global Representative Agricultural Pathways for Europe	Peter Wehrheim	
Andrea Zimmermann	Uni Bonn	Peter Witzke, Heidi Webber, Frank Ewert	Integrated climate change assessments in AgMIP and MACSUR – from global to European level	Ignacio Perez	
Reimund Rötter	Uni Göttingen		Current CropM capabilities in modelling adaptation and mitigation options for European crop production systems	Martin Banse	
Gabriele Dono	Tuscan Uni		Using CAPRI regional results for case study work: User experiences	Peter Witzke	
Group work organized by Franz Sinabell, Anne Biewald and Andrea Zimmermann					

Contributed session 3: Various aspects of climate change					Tuesday, 11.10. 13.30-15.30
Chair:	Klaus Mittenzwei				
Presenter	Affiliation	Co-authors	Title	Discussant	
Pier Paolo Roggiere	Uni Sassari		MAGnet: An international network to foster mitigation of agricultural greenhouse gases	Heikki Lethonen	
Øyvind Hoveid	NIBIO, Oslo		Dynamics, dependencies and volatilities of food prices. A time series analysis	Eric Nævdal	
Heikki Lehtonen	LUKE, Helsinki		Evaluating competitiveness of clover-grass as a resilient feed production option in Finland	Øyvind Hoveid	

Contributed session 4: Yield gaps and yield responses					Tuesday, 11.10. 13.30-15.30
Chair:	Floor Brouwer				
Presenter	Affiliation	Co-authors	Title	Discussant	
Franz Sinabell	WIFO, Vienna	Karin Heinschink, Klemens Mechtler, Hermine Mitter, Erwin Schmid, Andrea Zimmermann	Yield potentials and yield gaps of soybean production in Austria - a biophysical and economic assessment	Peter Witzke	
Tibor Marton	NIBIO, Oslo		Assessing the impact of agro-climatic factors and farm characteristics on the yield variation of Norwegian fruits and vegetable sector	Franz Sinabell	
Andreas Meyer-Aurich	ATB, Potsdam	Yusuf Nadi Karatay	N fertilizer reduction as cost-efficient GHG mitigation with respect to site-specific crop yield response	Andrea Zimmermann	