

AGMET

25 years supporting Agricultural Meteorology in Ireland

The Coach House, Dublin Castle,
Monday 7th December 2009

PROGRAMME

- 09:30 Registration (Tea and coffee)
- 10:00 Welcome
25 Years of Agricultural Meteorology in Ireland
Tom Keane, Met Éireann (retired) and founding member of AGMET
International Invited Speaker
- 10:30 Impacts of Climate Change and Variability on European Agriculture - COST Action 734
Simone Orlandini, University of Florence
- 11.30 Coffee break and poster session
Invited Speakers
- 12:00 Meteorology and Agricultural Research
Séamus Walsh, Climatologist, Met Éireann
- 12:30 Regional Climate Modelling: Certainties and Uncertainties
Tido Semmler, Climate Modeller, Met Éireann
- 13:00 Lunch and poster session
- 14:00 Austin Burke Bronze Medal presentation
Research presentations
- 14:10 Using a dynamic system simulation model to assess the influence of climate, soil and climate change on grass-based dairy production
Joanne Fitzgerald, Teagasc (Austin Burke Bronze Medal 2009 Recipient)
- 14:30 Comparing the greenhouse gas balance of managed ecosystems: implications for mitigation options
Bruce Osborne, UCD
- 15.00 Modeling the effects of climate change on the incidence of pests and diseases: a spatial analysis of the potential impacts on Irish agricultural productivity
Catriona Duffy, NUI Maynooth
- 15.30 The Frontal waves: how agro-meteorological science is shaping agricultural and environmental policies
Rogier Schulte, Teagasc
- 16:00 Close

Asmet

25 years supporting Agricultural Meteorology in Ireland

The Coach House, Dublin Castle,
Monday 7th December 2009

POSTER PRESENTATIONS

Towards development of a land classification method for allocating land parcels to 'hybrid soil moisture deficit model' drainage classes

A. Kerebel and N.M. Holden, UCD

Soil Moisture Deficit: the simple tool to predict soil damage in grazed pastures

A. Piwowarczyk, G. Giuliani and N.M. Holden, UCD

SMD prediction of soil damage experiment

P. Viola¹, N.M. Holden¹, S. Lalor², ¹UCD and ²Teagasc

Reducing the carbon footprint of Irish dairy farming

Mingjia Yan¹, James Humphreys², Nicholas M. Holden¹, ¹UCD and ²Teagasc

Impact of land-use change on greenhouse gas emissions.

G. Benanti, E. Cacciotti, M. Helmy, M. Saunders and B. Osborne, UCD

Transport and fate of *Cryptosporidium Parvum* in Irish agriculture

S. McDonald¹, M. Berzano¹, P. Ziegler¹, X. Peng¹, S. Samadder¹, T. Murphy², N.M. Holden¹, ¹UCD and ²Department of Agriculture

The growth response of Sitka spruce forest stands to severe drought events

B. Tobin¹, A. Tene^{1,2}, J. Dyckmans³, D. Ray², K. Black⁴ and M. Nieuwenhuis¹, ¹UCD, ²Forest Research (Scotland), ³University of Göttingen, ⁴FERS Ltd

The Irish contribution to an Infrastructure for Measurements of the European Carbon Cycle (IMECC)

F. Albanito¹, M. Saunders² and M. Jones¹, ¹Trinity College Dublin, ²UCD

C fluxes in C4 crops - using isotopes to assess shifts in ecosystem productivity

G.J. Lanigan¹, J. Kromdijk², M.B. Jones³, M. Williams³, B.A. Osborne⁴ and H. Griffiths², ¹Teagasc, ²University of Cambridge, ³Trinity College Dublin, ⁴UCD

Life cycle analysis to evaluate the environmental consequences of increased miscanthus cultivation

Joanne Fitzgerald, Teagasc