



Remote sensing of fire for national greenhouse gas accounting

University of Leicester, UK, 7-8 September 2009

COURSE AIMS AND OBJECTIVES

This course aims to bring together international experts in the field of remote sensing of fire and carbon emissions to provide a training course combining state of the art science with the practicalities of reporting emissions from biomass burning under IPCC guidelines. The course is aimed at a range of stake holders, from research students and associates interested in the fire science and observations of fire activity to professionals with some knowledge of geospatial techniques (GIS or remote sensing). The course is particularly relevant to government agencies responsible for national communications to the UN Framework Convention on Climate Change (UNFCCC), i.e. the technical process of greenhouse gas accounting. Support is available through the UN FAO for interested parties from African countries. The workshop combines both lectures and practical experiments.

INSTRUCTORS

Instruction will be given from world-renowned experts in the observation of fire from remotely sensed data and the evaluation of carbon emissions from this data.

Prof. Heiko Balzter, University of Leicester, UK, www.le.ac.uk/geography/staff/academic_balzter.html

Dr. Kevin Tansey, University of Leicester, UK, www.le.ac.uk/geography/staff/academic_tansey.html

Diane Davies, University of Maryland, US, <http://www.geog.umd.edu/people/ra.html>

Prof. Martin Wooster, Kings College London, www.kcl.ac.uk/schools/sspp/geography/people/acad/wooster

Dr. Veiko Lehsten, University of Lund, Sweden, <http://www.lucci.lu.se/people.html>

Sally Archibald, CSIR Pretoria, South Africa,

http://www.csir.co.za/nre/coupled_land_water_and_marine_ecosystems/epd.html

LOCATION

The event will be held at the University of Leicester, UK, <http://www.le.ac.uk/portals/maps/maps.html>. The University of Leicester is a leading UK University with a proud past and an exciting future. We deliver high quality undergraduate, postgraduate and professional education and create research that has impact internationally. The event will be held on the University campus. High quality accommodation will be provided in our University Halls of Residence. Transport between the workshop venue and the accommodation is provided.

FEES

The fee includes access to all the lectures and practicals, lecture handouts, lunches, dinners and refreshments as shown in the preliminary programme above. It also includes transport between the University accommodation and the workshop venue on the University campus.

- Individual registration fee: £370
- Individual concessionary (student) registration fee: £270

Please note that because the workshop is being run prior to the Remote Sensing and Photogrammetry Society (RSPSoc) annual conference at Leicester, 8-11th September 2009 we are pleased to offer Society members the following rate to attend this workshop.

- Individual RSPSoc ordinary or concessionary member fee: £270

En-suite accommodation is available on a bed and breakfast basis at £40 per person per night in our University Halls of Residence. The price includes bed linen, towels, toiletry pack, tea/coffee making facilities. The rooms are serviced daily. Internet access is available.

More information about Bed and breakfast accommodations is also available at:

<http://www.bedandbreakfasts.co.uk/propertysearch.asp?browsecounty=Leicestershire>

For more information about the conference, details on how to register and pay for the workshop and accommodation please see <http://www.rspso2009.org/workshops.html>. Please note that these fees do not include registration for the RSPSoc 2009 annual conference.

FINANCIAL SUPPORT

Financial support for delegates from African countries is available from the UN Food and Agriculture Organisation (FAO). African delegates can apply for financial support up to £450 towards the registration and accommodation costs and max. £500 contribution to travel expenses. Delegates are normally expected to make a financial contribution towards the expenses and clearly indicate the expected total costs of attending the training event. Applications for financial support must be received by **31st May 2009** and must include a Curriculum Vitae, an estimate of the overall costs, own contribution and amount of support sought.

PROGRAMME

Sunday 6th September 2009

15.00-17.00	Arrival in Leicester
19.00-21.00	Dinner

Monday 7th September 2009

09.00-9.30	Welcome and introductions, round table, coffee
09.30-10.00	Lecture "Estimating national emissions from fires and their uncertainties" IPCC TIERS; Heiko Balzter, Martin Wooster
10.00-11.00	Lecture "Methods of detecting burnt area from space - a comparison of available products"; Kevin Tansey, Martin Wooster, Diane Davies
11.00-12.00	Lecture "Fuel load estimation"; Sally Archibald
12.00-13.00	Lunch
13.00-14.00	Computer Practical - Accessing fire data; Heiko Balzter
14.00-15.00	COMPUTER PRACTICAL "Fire data analysis - co-registration, reprojection, pre-processing"; Heiko Balzter
15.00-15.30	Tea
15.30-17.00	COMPUTER PRACTICAL "Fire data analysis - extracting statistics from geospatial data"
17.00-18.00	COMPUTER PRACTICAL ACTIVE FIRES; Martin Wooster, Diane Davies
19.00- 22.00	Dinner and social event

Tuesday 8th September 2009

09.45-10.30	Lecture "Estimating emission factors"; Sally Archibald
10.30-11.00	Coffee
11.00-12.00	Computer Practical - statistical analysis of fire data for greenhouse gas accounting
12.00-12.45	Lunch
12.45-13.00	Transport to the annual Remote Sensing and Photogrammetry Society conference (if registered) www.rspso2009.org