

Boundary Demarcation & Maintenance

14-16 September 2009

Durham University, United Kingdom



Tutors:

- John Donaldson, Research Associate, International Boundaries Research Unit
- Kyle Hipsley, Acting US Commissioner, Canada-USA International Boundary Commission
- Alastair Macdonald, Former Director of Surveys & Production, Ordnance Survey, UK
- Ray Milefsky, Office of the Geographer and Global Issues, United States Department of State
- José Elias Mucumbo, Director of Boundaries, Mozambique National Institute of the Sea & Boundaries
- Jochen Petring, Project Manager, Hansa Luftbild Consulting International
- Martin Pratt, Director of Research, International Boundaries Research Unit

Introduction

Delimitation of a boundary in a treaty is a crucial first step in boundary-making, but on its own delimitation is of limited value. For borderland populations, boundaries rarely have much meaning until they are identifiable on the ground – and it is arguable that it is only when a boundary has been physically demarcated that it can begin to function effectively.

Many of the world's international boundaries have never been made visible on the ground, and many of those that have been demarcated have subsequently become invisible due to inefficient maintenance regimes. Led by a hugely experienced team of tutors and combining classroom sessions and practical exercises, this unique workshop will assist policymakers and practitioners in developing strategies for the effective demarcation and maintenance of international boundaries in different physical and human landscapes.

Who should attend?

The workshop will be of particular value to:

- Surveyors
- Diplomats
- Border guards
- Cartographers
- Boundary commissioners
- Legal advisors
- Borderland resource managers
- Remote sensing specialists

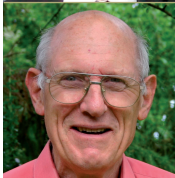
Tutors



John Donaldson joined the International Boundaries Research Unit as a Research Associate in 2003. Since that time he has conducted archive research and written extensively on a variety of boundary issues. His current research examines the structure of historic and contemporary boundary commissions and their roles in boundary demarcation, border management and transboundary cooperation. John obtained an MA in International Boundaries from Durham University in 2002, and has recently completed his PhD research on boundary demarcation in southern Africa.



Kyle Hipsley's surveying career began as a temporary employee for the Canada-USA International Boundary Commission (IBC) in the summer of 1973, working on the Maine-New Brunswick boundary. He trained as a geodetic surveyor while serving in the US military and subsequently worked for the State of Florida and the Defense Mapping Agency. He joined the IBC in 1986, opening its first one man field office in Houlton, Maine. During his field career with the IBC, Mr Hipsley has worked on or inspected the entire Canada-USA boundary. He has served as Deputy Commissioner since 2000 and is currently Acting US Commissioner.



Alastair Macdonald spent his whole career as a professional surveyor in the service of the UK Government. For 15 years he worked in the field in Africa and Southeast Asia before returning to UK to work for the Ministry of Defence. His final posting before retirement in 1992 was as Director of Surveys and Production at the Ordnance Survey, the national mapping agency of Great Britain. Since retirement he has advised the Governments of Nigeria, Ethiopia, Sudan and the Palestinian Authority on boundary-related matters. In 2009 Alastair was awarded an MBE for services to mapping and the resolution of boundary disputes in Africa.



Ray Milefsky has served for eight years in his capacity as a lead geographic advisor to the US Department of State providing briefs, reports, and analyses to policy-makers on matters related to boundary, territorial, and sovereignty claims and disputes. He collaborates closely with the Department's Legal Bureau as well as government, commercial and international mapping and research organizations. He lectures regularly to various universities and institutions, and has briefed several heads of state on boundary matters.



José Elias Mucumbo has more than 30 years experience as a land and engineering surveyor, cartographer and mapping scientist. He has held a variety of senior posts within the Mozambique National Directorate of Geography and Cadastre (DINAGECA), and has served as both Director General of DINAGECA and Director General of Lands. Since 2006 he has been Director of Boundaries and President of the Commission of Experts for the Reaffirmation of Continental Boundaries at the National Institute of the Sea and Boundaries, leading Mozambique's demarcation activities with Malawi, South Africa, Swaziland, Tanzania, Zambia and Zimbabwe. José is also a member of the steering committee of the African Union Border Programme.



Jochen Petring is Project Manager at Hansa Luftbild - German Air Surveys, an engineering company operating internationally in the fields of geospatial data acquisition, data processing, and related consultancy services. Mr Petring has worked on several large scale boundary demarcation projects, most recently as head of surveying, demarcation and mapping for the Boundary Demarcation Project between the Kingdom of Saudi Arabia and the Republic of Yemen (2001-06). While continuing as Project Manager, he has been appointed Quality Manager of Hansa Luftbild, having upgraded the company's Quality Management System to certified ISO 9001 standards.



Martin Pratt joined the International Boundaries Research Unit in 1994 and is now the Unit's Director of Research. He has written extensively on land and maritime boundary issues around the world and has advised governments, commercial organisations and NGOs on a wide range of boundary and sovereignty disputes. Recent projects include providing technical advice on delimitation of a disputed section of the boundary between Guinea and Sierra Leone, and acting as an advisor to the African Union Border Programme. Martin coordinates IBRU's training workshop programme and consultancy activities; he also manages IBRU's website, the Unit's GIS resources and the int-boundaries email list.

Cover picture:

Monuments marking the boundary between Brazil and Venezuela in the Pacaraima mountains (photo courtesy of Dauberson Montiero Da Silva, First Brazilian Commission for Boundary Demarcation)

Programme

Monday 14 September	0900-0930	Introduction
	0930-1030	Principles of boundary demarcation and maintenance <ul style="list-style-type: none">• The purpose and value of boundary demarcation• The changing nature of boundary-making• Demarcation options in different physical and human landscapes• The importance of field research• Key challenges in boundary demarcation and maintenance
	1030-1100	<i>Refreshments</i>
	1100-1300	Maps and imagery in boundary demarcation & maintenance <ul style="list-style-type: none">• The use and abuse of maps, aerial photographs and satellite imagery• Maps and imagery as tools for boundary research and recovery• Working with imprecise mapping• Base maps for boundary demarcation• Practicalities of map production
	1300-1400	<i>Lunch</i>
	1400-1530	Practical exercise <ul style="list-style-type: none">• Participants will seek to use maps and imagery in support of a range of demarcation-related tasks.
	1530-1600	<i>Refreshments</i>
	1600-1700	Technical support for demarcation negotiations <ul style="list-style-type: none">• Tools for landscape visualisation• Case studies

Tuesday 15 September	0900-1030	Boundary commissions <ul style="list-style-type: none">• Types of commission• Mandate and rules of procedure• Resolving disputes• Communicating with the public
	1030-1100	<i>Refreshments</i>
	1100-1230	Case study: Demarcation and maintenance of the Canada-USA boundary
	1230-1330	<i>Lunch</i>
	1330-1700	Practical exercise <ul style="list-style-type: none">• Working in teams, participants will undertake a field-based survey of a fictional border landscape in preparation for boundary demarcation.
	1900	Workshop dinner, Durham Castle

Wednesday 16 September	0900-1000	Case study: Demarcation and maintenance of the boundaries of Mozambique
	1000-1030	<i>Refreshments</i>
	1030-1230	Developing good practice in boundary demarcation and maintenance <ul style="list-style-type: none">• Demarcating river, swamp and lake boundaries• Positional accuracy requirements• Boundary visibility requirements• Maximising flexibility• Involving borderland communities in demarcation and maintenance
	1230-1300	Closing discussion & wrap-up
	1300	<i>Lunch</i>

What will it cost?

The cost of the workshop will be £1,495 per participant. Fees for UK-based participants are normally subject to Value Added Tax (VAT) of 15%.

We regret that payment can only be accepted in GBP sterling. However, we are able to accept payment by most major credit and debit cards.

Full payment **MUST** be received prior to the workshop to guarantee the booking.

In addition to tuition and all course materials, the fees cover the following:

- accommodation in a single en-suite room at Collingwood College for the nights of 13-15 September
- evening dinner on 13-15 September
- breakfast, lunch and refreshment breaks on 14-16 September

Accommodation for additional nights can be arranged at cost, subject to availability.



Durham Castle - previously the chief residence of the Bishops of Durham, part of Durham's World Heritage Site and the venue for the IBRU workshop dinner.

How to book

Places are limited and early booking is highly recommended:

- 1 Contact Jane Hogg at IBRU to confirm availability of places.
- 2 Once confirmed, please complete an online booking form at www.durham.ac.uk/workshops/booking or request a hard copy from IBRU.
- 3 Acknowledgement of the provisional booking will be sent by email (or letter/fax) with information on how to pay.
- 4 If payment is not received by the deadline specified, the place will be released. The original booking will be transferred to a waiting list and the place only confirmed when payment is received, if a place is still available.

Other administrative information

Venue

Workshop accommodation and teaching will be based at Collingwood College, which is part of Durham University (approximately 20 minutes walk from the city centre).

Language

Teaching and workshop materials will be in English. We regret that we are unable to provide translation or interpreting services.

Cancellation

Cancellations must be received in writing not later than Friday 28 August 2009, and will be subject to a £50 cancellation fee, unless a substitute participant is offered. After this date the full registration fee will apply. Substitutions for registered participants may be made at any time, but we would appreciate prior notification.

Programme changes

IBRU reserves the right to modify the programme as may be necessary without notice to participants.

Travel to Durham

Full details of the venue, plus maps and travel information will be sent to all participants following registration.



Further information

If you have any questions about the workshop please contact:

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Department of Geography, Durham University, DH1 3LE, United Kingdom

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