



REPORT OF THE ABLOS CONFERENCE 2001

"ACCURACIES AND UNCERTAINTIES IN MARITIME BOUNDARIES AND OUTER LIMITS"



International Hydrographic Bureau Monaco
18-19 October 2001

Organised by the Advisory Board on Geodetic,
Hydrographic and Marine Geo-Scientific Aspects of the
Law of the Sea (ABLOS)

Sixty-five attendees from twenty-seven countries took part in the Conference, held in the premises of the International Hydrographic Bureau. The sessions and papers were organised by the Conference Committee chaired by Professor Chris Rizos, vice chairman of ABLOS. The conference proceedings, containing the 23 papers presented, was produced on CD-ROM, but is also available from the ABLOS web site:

http://www.gmat.unsw.edu.au/ablos/ablos01_papers.htm.

THURSDAY 18 OCTOBER

Convenor: Chris Carleton

0920-1245	SESSION 1 : LEGAL ASPECTS	
<p>HE Judge David Anderson, CMG Judge at the International Tribunal for the Law of the Sea</p>	<p>Keynote address "Maritime Boundaries and Limits: Some Basic Legal Principles"</p>	
<p>Robert Volterra International Lawyer, Smith, London Law Firm, UK</p>	<p>"The Impact and Some Observations on the Two Court Delimitation Cases Since UNCLOS Came into Force"</p>	
<p>George Taft Legal Adviser, US State Department, USA</p>	<p>"Solving the Ridges Enigma of Article 76 of UNCLOS"</p>	
<p>Tim Daniel Partner, DJ Freeman, London Law Firm, UK</p>	<p>"Maritime Boundaries in the Gulf of Guinea"</p>	
<p>Martin Pratt International Boundaries Research Unit, Durham University, UK</p>	<p>"The Maritime Boundary Dispute Between Honduras and Nicaragua in the Caribbean Sea"</p>	
<p>Sara Cockburn & Sue Nichols Dept. of Geodesy & Geomatics Eng., Univ. of New Brunswick, Canada Dave Monahan Director of Ocean Mapping, Canadian Hydrographic Service Ted McDorman Faculty of Law, Univ. of Victoria, BC, Canada</p>	<p>"Intertwined Uncertainties: Policy and Technology on the Juridical Continental Shelf"</p>	

THURSDAY 18 OCTOBER

Convenor: Bjorn-Geirr Harsson

1415 – 1700	SESSION 2 : GEODETIC ASPECTS	
Erwin Groten Darmstadt Tech. University, Germany	"New Results of Vertical Datum Evaluation within SC-3 of IAG"	
David Monahan Director of Ocean Mapping, Canadian Hydrographic Service Dave Wells Dept. of Geodesy & Geomatics Eng., Univ. of New Brunswick, Canada	"The Suitability of The IHO's 'Standards for Hydrographic Surveys, Version 4' for Determining Depth Accuracy in the Scientific & Technical Guidelines of the United Nations CLCS"	
Lars Sjoberg Dept. of Geodesy & Photogrammetry, Royal Institute of Technology, Sweden	"The Three-Point Problem of the Median Line Turning Point: Solutions for the Sphere and Ellipsoid"	
Çigdem Goksel, C. Ipbuker, I.O. Bildirici & N. Ulugtekin Civil Engineering Faculty, Istanbul Technical University, Turkey	"Technical Suggestion to Juridical Discussion: A Case Study for Aegean Sea"	
David Monahan, Sue Nichols, Sam Ng'ang'a Dept. of Geodesy & Geomatics Eng., Univ. of New Brunswick, Canada Robert van der Poll CLARIS, Canada	"Assessing the Impact of Uncertainties in the Locations of Baselines From Which the Breadth of the Territorial Sea is Measured on the Outer Limit of the Juridical Continental Shelf"	
Frank Leahy, Brian Murphy, Phil Collier & D.J. Mitchell Dept. of Geomatics, Univ. of Melbourne, Australia	"Uncertainties Issues in the Geodetic Delimitation of Maritime Boundaries"	

FRIDAY 19 OCTOBER

Convenor: Ron Macnab

0900 – 1200	SESSION 3 : MARINE GEO-SCIENCE ASPECTS	
Ray Wood Institute of Geological & Nuclear Sciences, Wellington, New Zealand	"Integration of Geophysical and Geological Data in Determining the Continental extent of New Zealand"	
Manuel Burgos Armada Nacional, Republica Oriental del Uruguay, Montevideo, Uruguay	"Numerical Methods for Determining the Outer Limit of the Juridical Continental Shelf of a Coastal State"	
L.M. Parson, B.J. Murton, P.R. Miles & P.J. Hunter Southampton Oceanography Centre, UK	"Non-Living Marine Resources within Coastal States' Maritime Jurisdiction – A Practical Analysis of Their Potential in the Extended Continental Shelf Area"	
Phil Symonds, Mark Alcock & Howard Stagg, Australian Geological Survey Organization, Canberra, Australia	"Uncertainties Associated with the 'in absence of evidence to the contrary' Provision for Foot of Slope Determination to Define the Outer Limit of the Continental Shelf"	
R. Greku & D. Greku Institute of Geological Sciences of NASU, SATMAR - Satellite Marine Technology Laboratory, Kiev, Ukraine	"Determination of the Continental Margin Outer Edge by the Satellite Altimeter Data and the Geoid Gravity Model"	



HE Judge David Anderson



Ron Macnab, Chris Carleton, Neil Guy

FRIDAY 19 OCTOBER

Convenor: Neil Guy

1330 – 1700	SESSION 4 : HYDROGRAPHIC ASPECTS	
Peter Vogt Naval Research Laboratory, Washington DC, USA Ron Macnab Geological Survey of Canada, Dartmouth, Canada	"The Global Ocean Mapping Project (GOMAP) and UNCLOS: Optimizing Article 76 Surveys for Re-use as Components in the Construction of a Global Bathymetric Model"	
Michael J. Carron US Naval Oceanographic Office, and Members of the GEBCO 'Gridder' Group, USA	"Building the New GEBCO Grid of Global Bathymetry: A Potential Information Resource for Determining the Outer Limit of the Juridical Continental Shelf"	
Martin Jakobsson, Brian Calder, Larry Mayer, and Andy Armstrong Center for Coastal & Ocean Mapping, University of New Hampshire, USA	"The Uncertainty of a Bathymetric Contour: Implications for the Cut-off-Line"	
Richard Gent Law of the Sea, UK Hydrographic Office	"The Use of GIS in the Law of the Sea"	
John Bennet Paradigm Imaging Inc., Reston, Virginia, USA	"Examples of Mapping the Foot of the Slope with the Surface Directed Gradient Algorithm using NOAA's ETOPOS Data Base"	
Richard Wonnacott Directorate of Surveys & Mapping, South Africa	"The Photogrammetric, Survey and Cartographic Defined Maritime Boundaries of South Africa"	

This was the second of the biannual ABLOS-sponsored conferences held at Monaco. The next one will be run in 2003. The organisers wish to thank all speakers and participants who made the conference a success. Special thanks go to the staff of the IHB for ensuring that all ran smoothly.

Chris Rizos
 October 2001