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Notification of Proposed Peer Reviewers for the Northeast Arctic cod & haddock fishery by Euronor and Compagnie de Pêche de St. Malo

MacAlister Elliott and Partners Ltd. (MEP) is undertaking the full MSC certification assessment process for the following fishery:

Cod (*Gadus morhua*) & haddock (*Melanogrammus aeglefinus*) otter trawl fishery by Euronor and Compagnie de Pêche de St. Malo in ICES Subareas I & II.

MEP proposes the following experts to conduct peer reviews of the Public Comment Draft Report:

- Helen Davies (private consultant specialising in sustainable fisheries management and oceans governance)
- Dr. Matthew Cieri (marine resource scientist)

Full CVs of the proposed peer reviewers are shown below. All interested stakeholders are encouraged to contact Chrissie Sieben on chrissie.sieben@macalister-elliott.com before 17:00 GMT on 30th August 2011.



Helen Davies

1 SUMMARY OF RELEVANT EXPERIENCE:

1. Over 20 years experience in the field of natural resource management and sustainable development in the marine environment working for UK and New Zealand Governments, eNGOS and as a private consultant
2. Excellent understanding of marine biodiversity and sustainable fisheries management and of policies and practice in relation to the reduction of discards and bycatch
3. Many years experience of working with biodiversity data and in data collection methodologies particularly in relation to birds
4. Excellent working knowledge of biodiversity agreements (MEAs), the CFP and international law in fisheries and oceans governance
5. Excellent knowledge of industrial fisheries from the North East Atlantic and small scale fisheries in Africa
6. Dual expertise in natural resource economics and biological sciences with masters degrees in both

CURRENT ROLE: Programme Officer for fisheries and biodiversity. GEF/UNDP Yellow Sea Large Marine Ecosystem Project. RoK. October 2010-March 2011

Provision of specialist advice to the programme office and project partners (China and RoK) on reducing the impacts of unsustainable fisheries practices. Developing a strategic action plan for fisheries and biodiversity for the next implementation phase. Preparation of project documents relating to monitoring and assessment, final evaluations and research summaries for fisheries and biodiversity in the Yellow Sea.

CAREER HISTORY Self Employed Consultant specialising in sustainable fisheries management and oceans governance .Sustainable Fishing Solutions is a private consultancy set up to promote the sustainable management of the oceans resources to improve food security and safeguard biodiversity. Current and previous projects include (i) Peer review expert for fishing companies applying for certification by the Marine Stewardship Council ii) co-author of a report on policy coherence in development and sustainability in EU fishing agreements for the EU Parliament iii) developing case studies on fish processing and trade, supported by a research fellowship from Oregon State University, US iv) project advisor on UK Government funded projects developing a framework for vulnerability analysis in fishing dependant communities v) project evaluator for marine research projects (up to 3.5m euro) for DG Research (EC) vii) designer of project proposals for co-management of natural resources and MPA management in East Africa

Programme Manager for marine and freshwater fisheries research for the Department of Environment, Food and Rural Affairs (Defra), London, UK (November 2007-November 2008). Duties included: management of the Department's portfolio of fisheries research projects, , undertaking mid term and final evaluations of projects, translating research outputs for policy customers, co-ordinating programme reviews of the marine environment and marine biodiversity thematic areas, developing of a new programme of socio economic research to support the ecosystems based approach. Provided comments and analysis on substantive projects relating to valuation exercises in marine protected areas and an economic analysis of the benefits of improving fisheries management. Provided support to Dfid's activities in respect of illegal fishing (IUU) and its impact on developing countries.

Fisheries Policy Officer (WWF UK April 2004- February 2006). Lead officer for the development and advocacy of fisheries policy within WWF in areas such as recovery plans, bycatch and discarding, closed areas, (illegal) IUU fishing and the impacts of climate change. Provided technical support for the development of the East African Marine Ecosystem Seascapes project and capacity building projects in the West African marine ecoregion. Also participated in WWF International's RFMO performance review project and WWF's European Marine Programme campaign on discards and bycatch. Frequent liaison with Birdlife International, Seas at Risk and other relevant NGOs. Development of policies

specifically related to the reduction of bycatch in gill net fisheries in the SW England using a risk based approach to the deployment of avoidance devices. Commissioned research in strategic environmental assessments in fisheries and economic tools to promote sustainable fisheries. Advocated emergency measures to reduce bycatch of deepwater sharks within the North East Atlantic in consultations with the UK Government. Also acted as main WWF contact for Dfid's Tsunami relief task force in 2005 and subsequently provided a focal point for collaboration between WWF's marine programme and Dfid. As a result of earlier written submissions, gave oral evidence to a Parliamentary Environment Select Committee hearing on the reform of the fishing industry in the UK.

Project Manager (English Nature now Natural England, 1996-1999) for a large cross border marine protected area. Duties included; supporting the executive committee-a multi-agency stakeholder group (more than 30 experts from England and Scotland), reporting progress and all aspects of project co-ordination and management, providing scientific advice including the development of conservation objectives for marine species, developing monitoring programmes, engaging scientific contractors, publicity and stakeholder engagement. The aim of the project was to develop a long term management plan for the marine resources in the area and engage coastal users in sustainable management.

Conservation officer (English Nature/Scottish Natural Heritage 1992-96, 1999-2004). including 2 periods of detached duty as; (a) specialist maritime officer in HQ, editing and drafting natural area profile (status) reports on sea areas around UK to publication standard and (b) case officer for a large port development proposal in the UK reporting to the director of operations. Also responsible for discharging the Agencies' statutory functions in a number of local offices around England and Scotland, designating special sites, responding to numerous statutory consultations in development planning and coastal protection, working with protected species, acting as expert witness in planning inquiries. Supervised 2 other scientific staff, one at the same grade,-higher scientific officer.

COUNTRY EXPERIENCE

Country	From - To
Zanzibar,Tanzania	2005 Fieldwork research into marine protected areas and livelihoods issues in small scale fishing villages for WWF and MSc dissertation
Canada	2003 Sabbatical study to study the socio- economic effects of the cod moratorium St Johns Newfoundland
New Zealand	1988 Research into rocky shore ecology, public outreach for the Leigh Marine Reserve no take zone, North Island, NZ 1988 Conservation officer for Dept of Conservation (fish farming) Wellington
Australia	1989 Year long working holiday including 4 months working in the outback 5 months travelling in SE Asia, India and Nepal
Europe and North Africa	1984 Private overland expedition (4 months)
Zimbabwe	1982 Assistant in a public relations company, Harare (6 months)

2 RELEVANT PUBLICATIONS

De Lafayette L., Bartels L., Davies H., Campling L., (2007) *Policy Coherence for Development and the effects of EU Fisheries Policies on Development in West Africa*. European Parliament. Brussels.

Davies H., Jiddawi N., 2006. *The Impact of the Menai Bay Marine Protected Area on the Livelihoods of Small Scale Fishing Communities on Zanzibar. Tanzania*. 11 pages. In Proceedings of the 13th Biennial Conference of the International Institute of Fisheries Economics and Trade: Rebuilding Fisheries in an Uncertain Environment, Portsmouth, UK. IFFET, Oregon, US.

Davies H., Jones L. A., Coyle M.D., Evans D, Gilliland P M., Irving R., & Murray A.R., Mid North Sea Marine Natural Area Profile: *A contribution to regional planning and management of the seas around England*. English Nature. Peterborough.

3 QUALIFICATIONS & EDUCATION:

2003-2005, MSc. in Fisheries Economics, Portsmouth University, UK

1991-1992, MSc. in Ecology and Environmental Science, Lancaster University, UK

1986-1988, Higher National Diploma in Conservation Management, Farnborough College of Technology, UK

4 PROFESSIONAL TRAINING/COURSES:

Courses attended in project and programme management, policy cycles, expert witness training, negotiating and influencing, planning and development, legislation and enforcement, basic and advanced media training. All provided by employers as 'in house' training with assistance of external experts.

5 ADDITIONAL DETAILS:

Date of birth	7 June 1964
E mail address	info@sustainablefisheriesandoceans.com
Nationality	British
Languages	English (native tongue)
Affiliations/ memberships	Member of the International Institute of Fisheries Economics and Trade IIFET (2006-10), member of IUCN's Commission on Ecosystem Management and it fisheries experts group (2006-10).
Activities in public bodies	Active participant (WG chair) in seminars and workshops on IUU fishing hosted by Dfid, the Commonwealth Secretariat and Chatham House, London (2004-2009), member of the Marine Fisheries Science Advisory Group (UK Government 2006-9), part of WWF delegation to FAO's Committee on Fisheries (COFI) and author of WWF's submission on small scale fisheries (Rome, 2005), member of fisheries expert group of the North Sea Ministerial Conference (Stockholm 2004-6)) and the International Centre for Sustainable development and Trade (Geneva, 2005), NGO observer at the North East Atlantic Fisheries Commission (2004-6), English Nature (now Natural England) observer on The Northumberland Sea Fisheries Committee (UK 1997-1999).

Oct 2010

Dr. Matthew Cieri

EDUCATIONAL EXPERIENCE

B.S.	Marine Science, Stockton College of New Jersey	1993
M.S.	Biology (Marine Ecology), Rutgers University	1995

PROFESSIONAL EXPERIENCE

Marine Resource Scientist, Maine Department of Marine Resources, 2/01-present
Post-Doctoral Scientist, The Ecosystem Center, Marine Biological Laboratory, 9/99-2/01
Graduate Research Assistant, School of Marine Science, University of Maine, 5/95-9/99
Research Technician, Cranberry/Blueberry Research Laboratory, Rutgers /USDA, 5/95-9/95
Graduate Teaching Assistant, Department of Biology, Rutgers University, 9/93-9/95
Graduate Research Assistant, Institute of Marine Sciences, Rutgers University, 10/93-4/94
Animal Laboratory Technician, Department of Natural Sciences, Stockton College, 10/92-9/93

CURRENT DUTIES

Atlantic Herring: New England Fishery Management Council (NEFMC) and Atlantic States Marine Fisheries Commission (ASMFC)

- Oversee catch and landings reporting. Use of VTR (Vessel Trip Reports), Dealer Reports, & IVR (Interactive Voice Reports) to analyze and report landings and catch data to NMFS (National Marine Fisheries Service) regional office, NEFMC, and ASMFC
- Monitor IVR system: Query IVR database and report landing weekly to interested parties. Design and execution of a catch and effort model to predict appropriate "Days Out" needed to extend the fishery in some areas
- Commercial and Bycatch Sampling: Oversee the collection, inventorying, processing, and ageing of herring samples, also verify data entry. Make data available to interested parties. Supervise two full-time and one part-time technician. Produce compliance reports for ASMFC
- Monitor Herring spawning condition: Analyze biological sample data to determine spawning activity status. Indicate when areas should be closed to fishing to protect spawning herring
- Herring PDT (Plan Development Team) & Stock Assessment Subcommittee member (NEFMC & ASMFC): Participate in Stock assessments and analysis of catch and landings statistics for the Herring SAFE report. Develop the catch at age matrix for use in Virtual Population Analysis (VPA) and Age Structure Assessment Program (ASAP) models. Provide technical advice to management; Current Technical Committee Chair (ASMFC)

Whiting and Small mesh Multispecies (NEFMC):

- PDT & Stock Assessment Subcommittee member (NEFMC): Participated in stock assessment activities; Revision of overfishing and biomass reference points; Analysis of catch and landings statistics; Provide technical advice to management.

Spiny Dogfish (ASMFC):

- Participated in stock assessment activities and management analysis; Revision of overfishing and biomass reference points; Analysis of catch and landings statistics; Provide technical advice to management.

Assessment Science Committee (ASMFC):

- Provide stock assessment and technical advice to ASMFC Policy board including; Sampling targets for fishery independent and dependent sampling; Workload and scheduling for ASMFC stock assessment and participating scientists; coordinate Advanced Stock assessment training workshops

Multispecies Technical Committee Chair (ASMFC):

- Provide stock assessment and technical advice to ASMFC Policy on predator/prey relationships; Update and Expand MS-VPA (Multispecies Virtual Population Analysis) model as appropriate; Assist in incorporating

Predator/prey and natural mortality estimates in the Atlantic Menhaden Assessment. Current Chair

Atlantic Menhaden (ASMFC)

- **Stock Assessment Subcommittee:** Provide estimates of natural mortality and participate in general assessment activities.

Biological Review Panel (ACCSP):

- Provide recommendations of priority and scope of fishery dependent and independent sampling for East Coast Fisheries

PREVIOUS DUTIES

Monkfish

- **PDT & Stock Assessment Subcommittee member (NEFMC):** Participated in stock assessment activities; Revision of overfishing and biomass reference points; Analysis of catch and landings statistics; Provide technical advice to management.

Atlantic Menhaden (ASMFC)

- **Technical Committee Chair:** Writing consensus documentation from technical meetings; Provide analysis of catch and landings data; Analyze current assessment methods; Present findings to the Menhaden Management Board. Produced compliance reports for the state of Maine
- **Multispecies Subcommittee Chair:** Provide technical guidance on conceptualization and implementation of the Menhaden Multispecies ecosystem model; Report progress to the Menhaden Management Board.

American Eel (ASMFC)

- **Stock Assessment Subcommittee Chair:** Organized and lead meetings with both scientific and stakeholder participants. Writing consensus documentation from technical meetings. Provided analysis of catch and landings data. Analyzed assessment methods for use in the stock assessment. Presented results during ASMFC external peer review and Eel Management Board.

COURSES AND WORKSHOPS

Computer courses

- MS Access intermediate and advanced
- Visual Basic intermediate
- Arc GIS 8

Advanced Stock Assessment training

- Modeling M (natural mortality) in fish populations
- ASAP and forward projection modeling in Fisheries Science
- Surveys of Fisheries Resources: Fishery Independent Surveys
- Maximum likelihood methods in fish stock assessments
- Standardization of fishery independent and dependent sampling using R

ASSESSMENT WORK

- Atlantic Herring Trans Boundary Resource Assessment (2003, 2006, 2009)
- Atlantic Menhaden (2003, 2006, 2010)
- Monkfish Assessment (2004)
- Multispecies Virtual Population Analysis (2005, 2008)
- American Eel Stock Assessment (2005)
- Spiny Dog fish (2009)

OTHER SELECTED ACCOMPLISHMENTS

- Peer reviewer and participant Groundfish Assessment Review Meeting (GARM 3) final review for New England ground fish stocks
- Recent member of the South Atlantic Fishery Management Council (SAFMC) Science and Statistical Committee (technical advisory to management)
- Peer reviewer for South East Data Review (SEDAR 18) for Red Drum
- Peer reviewer and participant in Stock Assessment Workshop (SAW 35) for Summer flounder, scup, index-based assessment methods, and silver hake
- Peer reviewer Atlantic States Marine Fisheries Commission (ASMFC) internal review of current ASMFC multispecies assessment methodologies and reference points
- Current reviewer for the journal *Marine Ecology Progress Series*
- Current reviewer for the journal *Fisheries*
- Participant in the Atlantic Herring TRAC (Trans-boundary Resource Assessment Committee), 2003, 2006, and 2009
- Helped develop, test, and present an ecosystem predatory/prey model (MSVPA-X) during SAW 42. Presented results at a workshop for fishery managers
- Co-Chaired a workshop examining localized depletion of menhaden in the Chesapeake Bay (ASMFC)
- Chaired assessment sub-committees, technical committees, and stock assessment/data workshops for ASMFC and the NEFMC
- Assisted in writing, presenting, and data analysis for many white paper document including; technical documents, Frameworks, Amendments, fishery evaluation reports, and stock assessment reports

PROFESSIONAL SOCIETIES

- American Fisheries Society
- Estuarine Research Federation

PUBLICATIONS

Cieri, M.D. & D.E. Stearns. (1994). The relationship between estuarine zooplankton gut fullness and degree of visual predation by fish. Bulletin of the New Jersey Academy of Natural Sciences. 39:33-34

Cieri, M.D. (1996). Reduction in grazing activity by two estuarine copepods in response to the chemical presence of a visual predator. Masters thesis, Department of Biology, Rutgers the State University of New Jersey, Camden, NJ

Cieri, M.D. & D.E. Stearns. (1999) Reduction of grazing activity of two estuarine copepods in response to the chemical presence of a visual predator. Marine Ecology Progress Series 177:157-163

Cieri, M.D. (1999) Migrations, Growth, And Early Life History of the American Eel (*Anguilla rostrata*) Doctoral Dissertation. School Of Marine Sciences (Department of Oceanography). University of Maine, Orono, ME.

Cieri, M.D & J.D. McCleave (2000) Discrepancies between otoliths of larvae and juveniles of the American Eel (*Anguilla rostrata*): Is there something fishy happening at metamorphosis?. Journal of Fish Biology 57:1189-1198

Cieri, M.D & J.D. McCleave (2001) Validation of daily otolith increments in juvenile glass eels (*Anguilla rostrata*) Journal of Experimental Marine Biology and Ecology. 257:219-227

Tobias, CR, M.D. Cieri, B.J. Peterson, L.A. Deegan, J. Vallino, & J. Hughes (2003) Processing watershed-derived nitrogen in a well-flushed New England estuary. Limnology and. Oceanography, 48(5), 1766–1778

Overholtz, W.J, L.D. Jacobson, G.D. Melvin, M.D. Cieri, M. Power, D. Libby, & K. Clark (2004) Stock assessment of the Gulf of Maine - Georges Bank Atlantic herring complex. Northeast Fisheries Science Center Reference Document 04-06 Northeast Fisheries Science Center Woods Hole, Massachusetts.

Friedland K.D, J.E. O'Reilly, J.A. Hare, G.B. Wood, W.J. Overholtz, & M.D. Cieri (2006) Environmental Preferences of Atlantic Herring under Changing Harvest Regimes

Northeast Fisheries Science Center Reference Document. 06-18. Northeast Fisheries Science Center Woods Hole, Massachusetts

Fry B, M Cieri, J Hughes, C Tobias, LA Deegan, & B Peterson (2008) Stable isotope monitoring of benthic-planktonic coupling using salt marsh fish Marine Ecology Progress Series 369: 193-204.

McKown K, S. Correia & M. Cieri (2008) Development and Use of Reference Points. Atlantic States Marine Fisheries Commission, Washington DC

Cieri, M., G. Nelson, & M. A. Armstrong. (2008). Estimates of river herring bycatch in the directed Atlantic herring fishery. Massachusetts Department of Marine Fisheries. Gloucester.

Shepherd G., M. Cieri, M. Power, & W. Overholtz (2009) Gulf of Maine/Georges Bank Atlantic Herring Stock Assessment Update. Transboundary Resources Assessment Committee. Reference Document 2009/04

Garrison, L.P, J.S. Link, D.P. Kilduff, M.D. Cieri, B. Muffley, D. Vaughan, A. Sharov, B. Mahmoudi, & R.J. Latour. (2010). An expansion of the MSVPA approach for quantifying predator-prey interactions in exploited fish communities. ICES Journal of Marine Science. 67: 856-870.