

# Daily Programme

Registration Sunday Evening 30 November 2003

Late registration 8.00am Monday

## Sunday 30 December 2003

### Time

5.30 to 7.30pm

### Session

Welcome and registration cocktail function at the Millennium Hotel

## Monday 1 December 2003

### Time

8.45am

### Session

Delegates assemble in Conference Room for the Maori welcome ceremony or powhiri. The powhiri removes the tapu of the Manuhiri (visitors) to make them one with the Tangata Whenua (home people). It is a gradual process of the Manuhiri and the Tangata Whenua coming together.

Powhiri and welcome addresses from:-

- His Worship Clive Geddes - Queenstown Lakes District Mayor
- Mr Dave Sharp - New Zealand Seafood Industry Council Ltd
- Dr Changchui He - United Nations Food and Agriculture Organisation
- Rt. Hon. Damien O'Connor

9:00 -10:15am

MORNING TEA

### Setting the Scene

Presentations on perspectives of the major issues facing the governance and management of deep sea fisheries by:

- Rt Hon Simon Upton - OECD Round Table on Sustainable Development
- Mr Alastair Macfarlane - New Zealand Seafood Industry Council Ltd
- Mr Matt Gianni - Environmental Consultant
- Dr Wendy Craik - Australian Fisheries Management Authority
- Mr Michael Lodge - International Seabed Authority
- Mr Volker Kuntzsch - Unilever

10:15-10:45am

10:45-12:40pm

LUNCH

12:40-1:45pm



1:45-3:20pm

**Theme 1: Environment, ecosystem biology, habitat and diversity, oceanography**

**Chair - Dr Andy Rosenberg - University of New Hampshire, USA**

**Keynote - Dr John Gordon** - Environmental and biological aspects of deep-water demersal fishes

**1.1 - Carter L & Clark M** - Form, flow and fisheries - seeking the relationships between bathymetry, oceanography and fisheries.

**1.2 Thresher R.** - What the coral told us: scales of oceanographic variability relevant to deep water fisheries

**1.3 - Williams A., Barker B., Kloser R., Bax N., Butler A.** - A seascape perspective for managing deepsea habitats  
AFTERNOON TEA  
**Continuation of Theme 1**

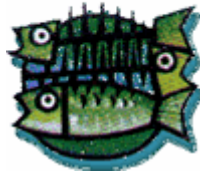
**1.4 - Uiblien F., Youngbluth M., Jacoby C., Pages F., Picheral M., Gorsky, G.** - In situ observations of deep-water fishes in 4 canyons off the Georges Bank, NW Atlantic

**1.5 - Belyaev V.A. and Darnitsky V.B.** - The effect of seamounts and above-water archipelagos on ecosystems of the Pacific Ocean

**1.6 - Bergstad O. and Falkenhaus T.** - Patterns and processes of the ecosystems of the northern mid-Atlantic (MAR-ECO) - an international census of marine life project on deep sea biodiversity

**1.7 - Yarincik K.** - The Census of Marine Life: Providing basic science to the user-community  
Poster session and cocktail hour

**AUSTRAL  
FISHERIES  
PTY LTD**



3:20-3:50pm

3:50-5:00 pm

5:15 - 6:15

7.00 - 10.00pm

Leave Millennium Hotel for Welcome Dinner at Gibbston Valley Winery hosted by Austral Fisheries Pty, Australia

**Tuesday 2 December**

**Time**

**Session**

8:30-10:10am

**Theme 2: Population biology and resource assessment**

**Chair - Dr John McKoy - National Institute of Water and Atmospheric Research, NZ**

**Keynote - Dr Andre Punt** - The challenges of and future prospects for assessing deep water marine resources: experiences from Australia, NZ, South Africa and the US

**2.1 - Large P. and Bergstad O.** - Deep-water fisheries resources in the Northeast Atlantic: Fisheries, state of knowledge on biology and ecology and recent developments in stock assessment and management

**2.2 - Japp D. and James A.** - Potential exploitable deepwater resources and exploratory fishing off the South African coast and the development of the deepwater fishery on the South Madagascar Ridge

**2.3 - Clark M.** - Counting deepwater fish: challenges for estimating the abundance of orange roughy in NZ fisheries

10:10-10:40am

MORNING TEA

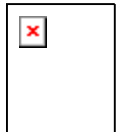
**Continuation of Theme 2**

**2.4 - Machete M., Ahrens R., Gomes T., Menezes G.** - Modelling the distribution of some fish species in seamounts of the Azores

10:40-12:00noon

**2.5 - Clarke M.** - A life history approach to the assessment of deepwater species in the Northeast Atlantic **2.6 - De Olivera E., Bez N., Duhamel, G.** - Local fishing efficiencies estimated from observers' recordings of Patagonian tooth fish **2.7 - Girad M., Mahe K., Aubert E., Biseau A.** - Preliminary results of a research programme carried out in close collaboration between scientists and fishermen

12:00-1:00



LUNCH

**Theme 3: Harvesting and conservation strategies for resource management**



**Chair - Dr Keith Sainsbury - Commonwealth Scientific and Industrial Research Organisation, Australia**

1:00-3:00

**Keynote - Dr Andy Rosenberg** - Between the Devil and the Deep Blue Sea - the challenges of managing deep sea living marine resources

**Second Keynote - Mr Simon Cripps** - Conservation of deep-sea fish stocks and ecosystems

**3.2 - Butterworth D., and Brandao A.,** - Experiences in Southern Africa in the management of deepsea fisheries

3:05-3:35pm

**3.3 - Constable A. and Nichol S.** - CCAMLR: a case study for ecosystem-based management

**3.4 - Francis, C. Haist, V. and Stokes, K.** - Management strategy evaluation can help fishery managers and industry

AFTERNOON TEA

**Continuation of Theme 3**

3:35-4:55 pm

**3.5 - Boutilier J. and Gillespie G.** - combining 2 papers - A phased approach to fishery development in the Deep Sea, and A Case study for Tanner Crab **3.6 - Rivas D.** - The challenges for management of the orange roughy fishery in Chile

**3.7 - Gunn J. and Cade R.** - Ecological risk assessment, NZ hoki fishery

**3.8 - Bax N., Tilzey R., Sainsbury K., Lyle J., Smith T., Wayte, S.** - Deepwater orange roughy fisheries

**Theme 4:**

**Technology Requirements**

**Chair - Mr Ian Knuckey - Fishwell Consulting Ltd, Australia**

5:00-6:00pm

**Keynote - Dr Amos Barkai** - Use and Abuse of data in fishery management

**4.1 - Kloser R.** -Observation technologies for sustainable deepwater orange roughy fisheries

**4.2 - Hampton I., Soule M., Clement G.** - Use of commercial vessels for the acoustic estimation of orange roughy biomass on the Chatham Rise, NZ

6:00-7:00

Poster session with cocktail hour



*Hoki Fishery Management Company Ltd*



**SQUID FISHERY**  
MANAGEMENT COMPANY LIMITED



7.30 -11.30pm

Leave Millennium Hotel for a Kiwi Country Night dinner hosted by the Hoki Management Company, Squid Management Company and Orange Roughy Management Company

## Wednesday 3 December

### Time

### Session

#### Continuation of Theme 4

8:30-10:35am	<p><b>4.3 - McClatchie S., Coombs R., Macaulay G., Dunford A., Barr, R.</b> - Review of the recent advances in deep seas fisheries acoustic surveys</p> <p><b>4.4 - Segura M. Ramirez M., Guardia A., Atiquipa J.</b> - Achievements and advances in science through the use of the satellite monitoring technology applied to the industrial fishery in Peru.</p> <p><b>4.5 - Cryer M. Downing K., Hartill B., Drury J., Armiger H., Middleton C., Smith M.</b> - Underwater digital photography as a stock assessment tool for <i>Metanephrops challengeri</i> on NZ's continental slope</p> <p><b>4.6 - Trenkel V. and Lorance P.</b> - The contribution of visual observations to surveying the deepsea fish community</p> <p><b>4.7 - Thiele W.</b> - Technical requirements and prerequisites for deep water trawling</p> <p><b>4.8 - Lapshin O. and Korotkov V.</b> - The results of deep sea fisheries development in Russia/USSR and related scientific research</p> <p><b>4.9 - Malahoff A. and Kelley C.</b> - An overview of research on Hawaiian bottomfish populations using submersible, ROV and acoustic techniques.</p>
10:35 - 11:00am	<p>MORNING TEA Report back and discussion:</p> <p><b>Chair - Kevin Stokes - New Zealand Seafood Industry Council</b></p> <ul style="list-style-type: none"><li>• Themes 1-4 - <b>Dr John Gordon, Dr Andre Punt, Dr Andy Rosenberg, Dr George Rose</b> respectively</li><li>• Pre-conference meetings in Dunedin: Artisanal and Small Scale Deepwater Fisheries - <b>Dr Ross Shotton</b></li></ul>
11:00-12:30am	<p>The Conservation and Management of Deepwater Elasmobranchs - <b>Ms Sarah Fowler</b></p> <p>Bioprospecting - <b>Dr Julia Jabour Green</b></p> <p>The Assessment and Management of Deepwater Fisheries - <b>Dr Kevin Stokes;</b></p> <ul style="list-style-type: none"><li>• CoML Workshop on Seamounts and Undersea Canyons - <b>Karen Stocks</b></li></ul>

12:30-1:30pm	<p>LUNCH</p> <p><b>Theme 5: Monitoring, compliance and control</b></p> <p><b>Chair - Mr Dave Wood - NZ Ministry of Fisheries</b></p> <p><b>Keynote - Mr Stephen Stuart -</b> Creating and implementing an effective deterrent</p>
1:30-3:15pm	<p><b>5.1(a) - Kuruc M.</b> - VMS evidence proves the case in court</p> <p><b>5.1(b) - Botwin B.</b> - Technology solutions and international opportunities for improved maritime domain awareness</p> <p><b>5.2 - Lugten G., Bache S., Warner R.</b> - Prosecuting fisheries law breaches - the "roughy" end of compliance</p> <p><b>5.3 - Riddell - A.</b> - Gearing for optimal compliance at State level</p>
3:15-3:45pm	<p>AFTERNOON TEA</p> <p><b>Theme 6: Review of existing policies and instruments Chair - Dr Marcus Haward - University of Tasmania, Australia</b></p> <p><b>Theme 6 Keynote - Dr Douglas Johnston -</b> Towards a high seas management regime: Vision and reality</p>
3:45-5:20pm	<p><b>6.1 - Molenaar E.</b> - Global, Regional and Unilateral Approaches to Unregulated Deep-Sea Fisheries</p> <p><b>6.2 - Hedley C.</b> - International law and deepsea fisheries</p> <p><b>6.3 - Sabourenkov E., Miller D., Ramm D.</b> - CCAMLR's approach to managing Antarctic Marine Living Resources</p>
7.00 - 11.00pm	<p>Leave for Conference Gala Dinner at Skyline Restaurant</p>

## Thursday 4 December

Time	Session
8:30-10:20am	<p><b>Continuation of Theme 6</b></p> <p><b>6.4 - Clarke M. and Patterson K.</b> - Deep sea fisheries management: the approach taken by the European Community</p> <p><b>6.5 - Serdy A.</b> - Schrodinger's tac - superposition of alternative catch limits from 2003 under the South Tasman Rise orange roughy arrangement between Australia and NZ</p> <p><b>6.6 - Wallace C. and Weber B.</b> - The devil and the deep sea. Economics, institutions and incentives: the theory and the NZ quota management experience in the deep sea</p> <p><b>6.7 - Annala J., Clark M., Clement G., Cornelius J.</b> - Management of NZ orange roughy fisheries - a deep learning curve</p> <p><b>6.8 - Oelofsen B.</b> - The Namibian orange roughy fishery: lessons</p>

10:20-10:50am	<p>learnt for future management MORNING TEA <b>Continuation of Theme 6</b></p>
11:50-11:30am	<p><b>6.9 - Johnston P. and Santillo D.</b> - Conservation of seamount ecosystems: application of an MPA concept</p> <p><b>6.10 - Verona C., Campagna C., and Croxall J.</b> - Sea and Sky: The Patagonian Large Marine Ecosystem Program. Integrating the continental shelf reality with the deep sea potentialities. <b>Theme 7: Governance and management</b></p>
11.35 - 12.30pm	<p><b>Chair - Mr Grant Bryden - NZ Ministry of Foreign Affairs and Trade</b></p> <p><b>Keynote - Dr Moritaka Hayashi</b> - Governing Deep Sea Fisheries: Future Options and Challenges</p>
12:30-1:30	<p><b>7.1 - Miller, D.</b> - Conventions and protocols - SEAFO, MHLC and SADC LUNCH <b>Continuation of Theme 7</b></p>
1:30-3:30	<p><b>7.2 - Balton D</b> - Managing living marine resources multilaterally: what works, and what doesn't work</p> <p><b>7.3 - Constable A., Davies C., and Williamson A.</b> - A future management - can we learn from past mistakes?</p> <p><b>7.4 - Wallace C.</b> - Principles and criteria for management and governance of human impacts on the deep sea</p> <p><b>7.5 - Cox A.</b> - Subsidies and deep sea fisheries management: policy issues and challenges</p> <p><b>7.6 - Shotton R. and Haward M.</b> - Managing the high seas - requirements for a Global High Seas Fisheries Trust</p> <p><b>7.7 - Westberg A.</b> - Governance and management of living marine resources and fisheries on the continental slope and in the deep sea - issues and challenges</p>
3:30-4:00	<p>AFTERNOON TEA <b>Chair - Grimur Valdimarsson - United Nations Food and Agriculture Organisation</b></p>
4:00-5:15pm	<p><b>Report back and discussion:</b></p> <ul style="list-style-type: none"> <li>• Themes 5-7 - <b>Mr Marcel Kroese, Prof. Douglas Johnston</b> and <b>Mr Michael Lodge</b> respectively</li> <li>• World Conference on Deep Sea Fisheries - <b>Dr Ross Shotton</b></li> <li>• Workshop on the Governance of High Seas Biodiversity Conservation - <b>Donna Petrachenko</b></li> </ul>
5.15-6.30pm	<p><b>Special COML/OBIS Session - Presentations and cocktails hosted by COML</b></p> <p>The Census of Marine Life and the Ocean Biogeographic</p>

Information System: Collecting and serving data on the diversity, distribution and abundance of marine life

1. Census of Marine Life: Overview of research and global partnership - **Kristen Yarincik**
2. A Demonstration of the Ocean Biogeographic Information System - **K. Stocks**
3. Biodiversity of seamounts: A global field project - **K. Stocks**
4. Life on the Mid-Atlantic Ridge: First Views from the Mir Submersible Dives - **M. Vecchione**
5. History of Marine Animal Populations - **A. Rosenberg**

## Friday 5 December

### Time

7:00-8:45am

### Session

Breakfast on the Lake Wakatipu on the "Lady of the Lake" - the Earnslaw Steamer

### The Way Ahead

**Chair - Dr Ross Shotton - United Nations Food and Agriculture Organisation**

Perspectives panel session:

9:00-10:30am

- Dr Mike Sissenwine - NOAA Fisheries, USA
- Dr Carlos Verona - Wildlife Conservation Society consultant, Argentina
- Dr Denzil Miller - CCAMLR
- Nominee - Department of Agriculture, Forestry and Fisheries, Australia
- Mr Michael Lodge - International Seabed Authority
- Ms Kristina Gjerde - IUCN
- Prof. Moritaka Hayashi - Waseda University, Japan

10:30-11:00am

MORNING TEA

**Continuation of Perspectives panel session:**

11:00-12:00

- Mr Martin Exel - Austral Fisheries Pty Ltd, Australia
- Mr David Sharp - NZ Seafood Fishing Industry Council

Question and answer / discussion

12:00-12:30

- **Conference Synthesis: The Future and Closure**
- **Rt Hon Pete Hodgson - NZ Minister of Fisheries address**

12:30-1:30pm

LUNCH