

FISHERIES MANAGEMENT (REVISED 28/4/2023)

Innovation Campus, North Wollongong, University of Wollongong. Monday 22th May to Friday 26th May, 2023

ITAMS Building (233) Room 112

Course content

Fisheries Management examines the principles and legal obligations for sustainable fisheries in the fisheries management process and the economics of fisheries management. The development and objectives of fisheries regulation and use-rights based fishing regimes are explained. Precautionary and ecosystem approaches to fisheries, are set within the adaptive management and climate change challenges facing management. The role of marine protected areas in fisheries management and spatial marine development are discussed as future challenges posed by the developing Blue economy to domestic fisheries management. Participants are made aware of international legal obligations and the management framework established by regional fisheries organisations and ways to limit Illegal, Unreported and Unregulated fishing.



Program

Monday, 22nd May

09.00-10.30	 Introduction to Fisheries Management Welcome to ANCORS. Objectives of fisheries management. Fisheries management within the context of responsib FAO framework on fisheries management. Overview of issues with fisheries management regimes 	
10.30-11.00	Morning Tea	
11.00-12.30	Fisheries Management Processes - Components of fisheries management: multidisciplinar - Introduction to fisheries governance and management - Development of fisheries policy and to management p	: the differences.
12.30-13.30	Lunch	
13.30-14.15	International Legal Obligations for Fisheries Manageme -Law of the Sea Convention obligations. -Fisheries in the Exclusive Economic Zone. -High Seas, post-LOSC measures and Regional Agreemer	
14.15-15.00	Legal considerations in fisheries management -Legislative empowerment. -Legal decisions and fisheries management. -Administrative law principles and fisheries managemen	(Dr Camille Goodman) nt.
15.30	Welcome Drinks	
Tuesday, 23rd	May	
09.00-10.30	Fisheries Economics(Prof Alistair McIlgorm and Dr Rachel Nichols)- Common property and the open access fisheries problem- Why does over exploitation occurs?- Regulation and management	
10.30-11:00	Morning Tea	

- **11.00-12.30Economics and Fisheries Management** (Dr Rachel Nichols and Alistair McIlgorm)
- The economics of fisheries management.
- Regulation and Input regimes.
- 12.30-13.30 Lunch

13.30-15.00 Fishery Management Tools

(Prof. Alistair McIlgorm and Dr Rachel Nichols)

- Input and output regimes.
- The costs and benefits of fisheries management.
- Fisheries management in the Blue economy.

Wednesday, 24th May

- 09.00-10.30 Fishery Science the Evidence Base for Management (Dr Johann Bell)
 - Stock assessment in single species and multi-species fisheries.
 - Collection and verification of data.
 - Use of data in fisheries policy development and management.
- 10.30-11.00 Morning Tea
- **11.00-12.30**Implementing a Precautionary Approach
- Stock status, reference points and harvest control rules.(Dr Johann Bell & Prof McIlgorm)
 - Precautionary reference points under harvest strategy policy.
 - Precaution in quota setting & under UN Fish Stocks Agreement.
 - Precautionary reference points in multi-species fisheries.
- 12.30-13.30 Lunch
- **13.30-15.00** Fisheries Management Planning & Processes for Allocation (*Prof. Alistair Mcllgorm*) -Strategic principles in fisheries management.
 - -Fisheries management plans and strategies (examples).
 - -Allocation processes in Australian fisheries management.

18.30 Course Dinner

Thursday, 25th May

 09.00-10.30
 Fisheries Governance & the Western Central Pacific (Prof. Quentin Hanich)

 -Fisheries governance.
 -Regional fisheries Management Organisations.

 -Politics and marine conservation issues.

- **10.30-11.00** Morning Tea
- **11.00-12.30 CITES and Fisheries Management** (Glenn Sant, TRAFFIC)

 -The role of CITES in fish trade. How does the CITES process work?
 -Recent developments with endangered species.

 -Addressing traceability and
 -Illegal, Unreported and Unregulated fishing aspects.

- 12.30-13.30 Lunch
- 13.30-15.00 The ecosystem approach, adaptive management and climate change (Dr Johann Bell)

 Ecosystems approaches to fisheries management.
 What is adaptive management? Principles and practice.
 Climate change in fisheries examples.
 How can Fishery managers address climate change?

Friday, 26th May

- 09.00-10.30 Social Well Being and Fisheries Management- a NSW fishing industry case study (Dr Michelle Voyer) -What is social well being and how do we measure it? -A case study of Socio-economic well being in the NSW Fishing industry.
- 10.30-11.00 Morning Tea
- **11.00-12.30**Marine Protected Areas and Fisheries Management (Prof. McIlgorm/ C. Rambourg/ Dr
Freya Croft)
Background to the development of marine protected areas.
MPAs and fisheries management.
Future spatial marine management issues in the Blue economy.
- 12.30-13.30 Lunch and close of course



Administrative contact – Ms Anica Damcevski anica@uow.edu.au

Program leader – Professor Alistair McIlgorm amcilgor@uow.edu.au

Program tuition cost: Aud \$2,850 incl. gst. (includes morning, afternoon teas and lunch). Participants cover own accommodation cost.

Registration form: (Complete and send to Anica above please).

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