



Tuesday 6th March

DAY ONE start at 08:30

Great Hall, Dartington Hall

Programme & Agenda overview

- Background: components, processes and history of the course
- Agenda and housekeeping

Alexa Dayton (GMRI – USA) & Jim Masters (FitF)

Introductions & welcome

- Around the room: What do you hope to get from this workshop?

Peter Williams, David Stevens & Mike Warner

SCIENCE (1) Setting the Scene

Course overview:

- Brief history of fisheries science – origins and evolution
- From science to management in context
- Challenges and competition for space

Carl O'Brien (Cefas)

SCIENCE (2) Fisheries Science Overview

- Oceanography and coastal production – the importance of the continental shelf
- The role of fisheries scientists
- The importance of good quality data

Michel Kaiser (Bangor University)

BREAK

SCIENCE (3) Fisheries science in practice

Sampling and data collection for data poor species

- Scallops, whelks, crabs and bass
- What data is needed and why
- Technology and data collection in inshore fisheries
- The importance of collaborative science

Michel Kaiser (Bangor University)

SCIENCE (4) Biological Sampling Programmes for finfish and shellfish

- Types of data collected
- Ageing finfish and shellfish
- Offshore & Onshore sampling programmes
- Future issues and advances to consider

Rob Forster (Cefas)



LUNCH + Optional practical activities: otolith extraction/ageing whelks

SCIENCE (5) Survey Design: Inshore Crab Fishery, Devon

- Introduction to activity and instructions
- Groups design and carry-out their own fishery-dependent survey for a crab fishery in Devon
- Groups discuss and debrief after the exercise

Jim Masters (Fishing into the Future)

WORKING BREAK

Moderated Discussion

- Matters arising from all presentations

David Stevens

Demonstration Expo + Social Hour (drinks available)

- Expo demonstrations:
 - REM: MMO cameras on boats;
 - Succorfish technology
 - Gearing Up web tool
 - Bycatch reduction – SNTech lights in nets
 - Seafish Responsible Fishing Scheme
 - Pot and trap innovations
 - Boat stability demonstrations
 - Natural England local team MPAs
 - Animating the EMFF: Finance for Fisheries
 - Defra – fisheries science and data collection in to the future

Various



Wednesday 7th March

DAY TWO: Start 08:30

Great Hall, Dartington Hall

Reflections on Day 1

- Round-room recap and capture of stand-out messages
- Aspirations for Day 2 and any remaining issues that need to be discussed

Mike Warner & Alexa Dayton

SCIENCE (6A) Who's who in fisheries science

Background to different data collection frameworks and organisations

Hazel Curtis (Seafish)

- Changes to the Data Collection Framework – the current work of Defra
- Small sale fisheries and economics – paying for changes to the DCF, priorities and building economic arguments

Jen Ashworth (Defra) & Cee McDonald (Defra)

SCIENCE (6) Stock Assessment “Master-Class”

- Biological background information
- The assessment and advisory processes
- Case studies – state of stocks
- Interpreting ICES advice sheets

Carl O'Brien (Cefas)

BREAK

MANAGEMENT (1) Local Governance – the IFCA

- Who's who and what they do across the 6nm limit
- Current Role & evolution from Sea Fisheries Committee
- Duties and relationships: Co-management and democracy
- How to participate

Tim Robbins (Devon and Severn IFCA)

MANAGEMENT (2) UK and EU annual quota negotiations

- EU Common Fisheries Policy
- Annual Negotiations within the EU
- Allocating Quota
- History of the system
- Previous attempts at change

Andy Carroll (Defra)





LUNCH

MANAGEMENT (3) Participation & Data

1. Wrasse Fishery Case Study management: participation and data
 - Background to the fishery
 - The role of research in improving management
 - Participation and fishery management
2. Whelk Fishery Case Study:
 - Characteristics of the fishery
 - Current management
 - Data and research requirements
 - Engaging the industry
 - Impacts on management
 - Science and collaboration
3. Devon Inshore Potting Agreement (IPA) Case Study:
 - Conflict resolution and management in the Inshore Potting Agreement
 - Conflict issues
 - Future management

Sarah Clark (D&SIFCA) & Shane Farrow (fisherman)

MANAGEMENT (4) Fisheries Management Role Play

Using a fictitious fishery to explore issues in fisheries science and management

- Examining why participation in fisheries management is important
 - Bringing together learning from previous sessions
- Alexa Dayton***

WORKING BREAK

MANAGEMENT (5) Moderated discussion and reflection

Examining issues from the day

- Debrief from role-play
 - What works and what needs to change for inshore small-scale fisheries management and science
- Mike Warner***

CLOSE + move to social hour



Thursday 8th March

DAY THREE: Start 08:30

Great Hall, Dartington Hall

Morning Welcome

- Housekeeping, evaluations, announcements, reimbursements

Peter Williams & Alexa Dayton

ECONOMICS (1) Economics and Social Science

- Economic data for fisheries management
- Data Collection
- Outputs – evidence base
- Bespoke Analysis
- Economic Advice in fisheries management

Hazel Curtis (Seafish)

ECONOMICS (2) Improving Access to Markets

- Identifying issues familiar to fishermen and the supply chain
- Identifying ways of improving access to markets
- Sourcing seafood: risk and consumer awareness
- Case studies: fishermen taking the lead in market access initiatives

Andy Pillar (Interfish)

BREAK

ECONOMICS (3) Certification, FIPS and a flexible supply chain

Introduction to the Marine Stewardship Council

- Background and benefits
- Ecolabel and sustainability
- MSC 'Theory of Change'
- Markets and supply chain
- Project UK: Fishery Improvements

Rhiannon Holden (MSC)

ECONOMICS (4) Case Study: Cornish Sardines

- The history and recent rise of the Cornish sardine fishery

Gus Caslake (Seafish)



ECONOMICS (5) Community Supported Fisheries: Case Study

- Fresh from the Boat: Increasing access to market and profits for Small Scale Fisheries
Chantelle Williams (Fresh from the Boat)

LUNCH

Open Forum – moderated discussion

- Issues arising from the workshop
- Role of Science in Management
- Signposts for the Future
- Brexit consensus

Pete Williams and Mike Warner

Wrap up

- professional pledge
- take-home messages
- anecdotal evaluation of the course

Alexa Dayton & Jim Masters

WORKSHOP CLOSES: 2:30 / 3:00