## Thainestone House, Aberdeenshire, Scotland

## May 14th – May 16th, 2019

## **DAY 1 –** Tuesday 14th May

|  |  |  |
| --- | --- | --- |
| **TIMING** | **CONTENT** | **WHO** |
| 7.30 | **Breakfast and Coffee** |  |
| 8:30  | **Introductions & Welcome*** Programme & Agenda Overview
 | *Alexa Dayton;* *Jim Masters* |
| 9:00 | **Welcome from the moderators:** * Why you need this information as fishermen
* Round-table introductions:
 | *Mike Park; Kenny Coull; Derek Cardno* |
| 9:15 | **Science 1: Setting the Scene*** The International context of fisheries science and management:
 | *Eskild Kirkegaard* |
| 9:30 | **Science 2: Marine Science, Fisheries and Oceanography*** Marine science and scientists in Scotland
* Biological cycles in the sea
* Introduction to oceanography
 | *Bill Turrell*  |
| 10:30 | ***BREAK*** |
| 10:45 | **Science 3: Fishery Sampling & Data Collection*** What information is needed and why
* How it is collected
* How it is used
 | *Steve Mackinson* |
| 11:30  | **Science 4: Fish Biology and Sustainability** * Biomass, population growth and age
* Growth, maturation, recruitment, mortality
* Why fish sustainably? ICES sheets & biology
 | *Tara Marshall* |
| 12:30 | ***LUNCH*** *(Otolith Removal: Demonstration & Optional Practical)* | *Jane Mills* |
| 1:30 | **Science 5: Swept Area Survey*** Group Activity (with working break)
* Planning and completing a swept-area survey: can you accurately calculate the population of fish?
* Discussion
 | *Steve Mackinson* |
| 4.00 | **Science 7: Moderated Discussion*** An opportunity to dive deeper in to the issues raised throughout the day
 | *Moderators* |
| 5:00 | **Close and final comments** (followed by drinks in the bar) | *Alexa Dayton* |

## **DAY 2 –** Wednesday 15th May

|  |  |  |
| --- | --- | --- |
| **TIMING** | **CONTENT** | **WHO** |
| 7.30 | **Breakfast and Coffee** |  |
| 8:30  | **Welcome** * Reflections on the previous day
* Outlining agenda for the day
 | *Alexa Dayton;* *Moderator (Mike Park)* |
| 9:00 | **Science & Management 1: Stock Assessment & Modelling Overview** * Demystifying the stock assessment process:
	+ What is a stock
	+ Using models and why they help
	+ What cohort analysis tells us about trends in stocks
 | *Neil Campbell* |
| 10:15 | ***BREAK*** |
| 10:30 | **Science & Management 2: ICES – Who Do They Think They Area?*** Behind the scenes at ICES
* Changes and new responsibilities for the UK as a Coastal State
* New directions in ICES
 | *Eskild Kirkegaard* |
| 11:15 | **Science & Management 3: Demystifying ICES Stock Assessment Sheets** * How to get what you need
* Reading what you get
* Interpreting what you read
 | *Steve Mackinson* |
| 12:45 | ***LUNCH***  |
| 1:30 | **Science & Management 4: Negotiating for Real*** Who’s Who in fisheries negotiations
* How TACs are set
* Setting TACS as a Coastal State: opportunities and challenges
	+ New alliances
	+ Zonal Attachment
	+ A dynamic vision for fisheries
 | *Allan Gibb* |
| 2.30 | **Science & Management 5: Fisheries Negotiation Exercise*** Group Activity: negotiating fishing opportunities for a fictional stock in the North Sea
* Activity de-brief and discussion
 | *Alexa Dayton*  |
| 4.30 | **Science & Management 6: Governance*** How to get involved – building on lessons from the day
* Coastal State: opportunities and challenges for governance
 | *Mike Park* |
| 5:30 | **Close and final comments** (followed by drinks in the bar) | *Alexa Dayton* |

## **DAY 3 –** Thursday 16th May

|  |  |  |
| --- | --- | --- |
| **TIMING** | **CONTENT** | **WHO** |
| 7.30 | **Breakfast and Coffee** |  |
| 8:30  | **Welcome & Housekeeping*** Evaluation forms and reimbursement
* Reflections on Day 2
* Outlining agenda for the day
 | *Alexa Dayton;* *Moderator (Derek Cardno); Jim Masters* |
| 9:00 | **Economics 1: Economics and Social Science: business decisions in the real world** * Economic data and data collection – how we do it
* Outputs and evidence base – what they mean
* Economic Impact Assessments, advice and principles in fisheries
 | *Hazel Curtis* |
| 10:45 | ***BREAK*** |
| 11:00 | **Economics 2: Markets and Access*** Sustainable Sourcing Policies for major retailers:
	+ Trends and changes
	+ Common themes
	+ New and emerging markets for seafood
 | *Cameron Moffat* |
| 11:45 | **Economics 3: Markets as Drivers of Change*** The role and benefits of Fishery Improvement Projects (PUKFI)
* Supply-chain partnerships – reducing risks for suppliers
* MSC – Myth-busting
 | *Claire Pescod* |
| 12:30 | **OPEN PANEL DEBATE, Q&A + LUNCH*** All moderators, presenters and delegates
* Returning to all themes from the course – addressing outstanding issues
* What next? Take-home messages from all participants
 | *Alexa Dayton* |
| 2:00 | **WRAP-UP*** Final thoughts; certificate-presentation
* Evaluation forms and expense claims
 | *Alexa Dayton; Jim Masters* |
| 2:30 | **PROGRAMME CLOSES** |