## Thainestone House, Aberdeenshire, Scotland

## May 14th – May 16th, 2019

## **DAY 1 –** Tuesday 14th May

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| **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

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| **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

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| **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** | | |