## Draft programme, subject to changes

Day 1	Day 2	Day 3	Day 4	Day 5
Section 1 Visit to fish farm and Veterinary sevices in Jutland	Section 2 Laboratory introduction and sample preparation	Section 3 PCR analysis and Cell culture methods	Section 4 PCR, blast and phylogeny	Section 5 Cell culture /bacteriology and evaluation
8:00 – 11:00 Transport by car to Danish Veterinary and Food Administration, in Jutland. 11:00 – 12:15 Introduction to surveillance programs  Aquaculture surveillance and sampling procedures in Denmark	9:00 - 10:30 Introduction and practicalities. Participants experience and expectations Coffee break 10:30 - 10:50 10:50 - 12:15 Theoretical introduction to sample preparation, cell cultivation, virus ID and qPCR for surveillance programs for the non-exotic listed fish disease in Europe	9:00 – 10:30 : PCR and real time PCR theory. <u>Coffee break 10:30 - 10:50</u> 10:50 - 12:15 Result analysis Practical exercises.	9:00 - 10:30 PCR and Real Time PCR Troubleshooting. The diagnostic laboratory – PCR flow.  Coffee break 10:30 - 10:50 Sequencing theory and practical exercises	9:00 - 10:30 Cell culture observation with different reference viral isolates <u>Coffee break 10:30 - 10:50</u> 10:50-12:15 Fish bacteriology demonstration
Lunch: 12:15 - 13:00	Lunch: 12:15 - 13:00	Lunch: 12:15 - 13:00	Lunch: 12:15 - 13:00	Lunch: 12:15 - 13:00
13:00 – 13.30 Transport to Fish Farm 13:30 – 15:30 Inspection and sampling 15:30 – 19:00	13:00 - 14:30 Sample preparation for cell culture, PCR and bacteriology on samples collected Monday <u>Coffee break 14:30 - 14:45</u> 14:45- 16.45 Practical cell culture passaging and	13:00- 16:30 13:00-13:45 Reading cells and inoculation of samples 13:45-14:30 Use of cell culture in fish virology Coffee break 14:30 - 15:00	13:00 – 17:00 Blast analysis and practical exercise <u>Coffee break 14:30 - 15:00</u> Introduction to phylogenetic analysis	13:00 – 14:45 Assignment + presentation and assessment of data obtained by each group Discussion and recommendations Conclusion 14:45-15:00