

RCN Disease Modeling and Transmission Workshop Schedule
May 11-15, 2015
Center for Coastal Physical Oceanography, Old Dominion University
Norfolk, VA 23508
Room 3200, CCPO

Monday, 11 May

- 1300 Arrival/welcome (Hofmann)
Presentation 1: General talk on abalone biology, species differences, distribution (Friedman)
Presentation 2: Transmission models (Bidegain/Ben-Horin)
Presentation 3: Abalone disease – history, biology (Friedman)
- 1500 Coffee/Tea
- Abalone model structure and outline (Klinck)
- 1530 Overview of abalone data and parameter estimation (Ben-Horin)
- 1730 *Icebreaker* at Cogans North

Tuesday, 12 May

- 0845 Arrival – Logistics information
- 0900 Presentation 1: Host-pathogen proliferation models (Hofmann)
Presentation 2: Genetics of disease resistance (Guo)
Presentation 3: Introduction to use of SI models including computer/matlab tutorial (Klinck, with Bidegain, Ben-Horin, Levin)
- 1030 Coffee/Tea
- 1100 Continue presentations
- 1215 Lunch – catered at CCPO
- 1330 Breakout Groups and/or Model Implementation
- BG1 - Parameter discussion for abalone SI models (mortality, transmission, particle release)
BG2 - Discussion of transmission dynamics
- Use of SI models (hands-on) (Klinck, Bidegain, Ben-Horin, Levin)
- 1500 Coffee/Tea

1530 Reconvene

1800 *Group Dinner* at Chow Restaurant and Bar

Wednesday, 13 May

0845 Arrival – Logistics information

0900 Presentation 1: Physical oceanography of the abalone system (Haidvogel)
Presentation 2: Metapopulation models (Munroe)
Presentation 3: Experimental studies of disease transmission (Bushek/Ford)

1030 Coffee/Tea

1100 Continue presentations

1215 Lunch – catered at CCPO

1330 Breakout Groups and/or Model Implementation

BG1 - single species metapopulation model
BG2 - multi-species model metapopulation model

Implementation of SI models (Klinck, Bidegain, Ben-Horin, Levin)

1500 Coffee/Tea

1530 Presentation 4: Using data-driven models to quantify sea louse infestations on wild and farmed salmon (Groner)

1600 Reconvene in Breakout Groups

1800 *Dinner on your own*

Thursday, 14 May

0845 Arrival – Logistics information

0900 Presentation 1: Long-term evolution of virulence (Carnegie)
Presentation 2: MPAs, reference points, area management (Powell)
Presentation 3: Statutory/regulatory constraints of marine disease management (Otts)

1030 Coffee/Tea

1100 Continue presentations

1215 Lunch – catered at CCPO

1330 Participant presentations (5-minute talks on research)

1515 Coffee/Tea

1545 Breakout Groups and/or Model Implementation

BG1: Evaluation of model results – how to do this and available data sets

BG2: Inclusion/linking of economic and management issues in marine disease models

Model Implementation (Klinck, Bidegain, Ben-Horin, Levin)

1800 *Cookout* at Hofmann/Klinck house

Friday, 15 May

0845 Arrival – Logistics

0900 Presentation 1: A different view – white spot disease in shrimp (Lotz)

Presentation 2: Impacts of disease management practices on the virulence and transmission of a salmonid virus (Wargo)

Discussion 1: Summary of models and implementation and evaluation of results (All)

Discussion 2: Possible special issue and manuscripts (All)

1015 Coffee/Tea

1045 Continue discussions

1215 Lunch/Adjourn