AD Model Builder for stock assessment development and application

**Day 1**

Tuesday, March 13

9:00 – 10:00 Introduction of participants and instructor, course overview and expectations

10:00 – 11:00 Introduction to ADMB and statistical overview

11:00 – 12:30 ADMB approach, syntax, files, and output

12:30 – 1:30 Lunch

1:30 – 2:00 Software check

2:00 – 3:00 Exercise: simple

3:00 – 4:00 Exercise: growth model

4:00 – 5:00 Using ADMB with R

**Day 2**

Wednesday, March 14

9:00 – 10:00 Summary Day 1: Using ADMB with R

10:00 – 11:30 Overview of stock assessment and age-structured models

11:30 – 12:30 Work with age-structured model example

12:30 – 1:30 Lunch

1:30 – 2:30 Debugging

2:30 – 4:00 Exercise: age-structured models

4:00 – 5:00 Exercise: visualizing results

**Day 3**

Thursday, March 15

9:00 – 10:00 Summary Day 2: Age-structured models

10:00 – 11:00 Using ADMB for simulation

11:00 – 12:30 Exercise: simulation

12:30 – 1:30 Lunch

1:30 – 2:30 Retrospective analysis

2:30 – 3:30 Running MCMC with ADMB

3:30 – 5:00 Exercises

**Day 4**

Participants bring in their own data and work to build models in ADMB, with the instructor available to help.