

BSIERP-BEST ModelingKerim Aydin, 206-526-4225, Kerim.Aydin@noaa.govNick Bond, 206-526-6459, Nicholas.Bond@noaa.gov

<i>What</i>	<i>Who</i>	<i>Start</i>	<i>Other key dates</i>
Purchase of high-end workstation for simulations of “simplified” model	Aydin, Hermann	Now	Arrive by June 2008
Distribution and substantial review (internal and with EMC) of FEAST equations	Aydin	Now	Complete by June 2008
IPCC climate run data initial extraction of sample runs	Bond, Hermann	Now	Complete by Dec. 2008
Programming of initial set of FEAST equations into ROMS model	Aydin, Hermann	April 2008	Complete by July 2008
FEAST postdoc begins, first runs of (relatively data free) model)	Aydin	June 2008	
Mini-workshop , vertically-integrated modelers	Aydin, Bond, Gibson, Hermann, Punt, Ianelli, Dalton	July 2008	
Incorporation of retrospective data into FEAST	FEAST postdoc	July 2008	Complete by Dec. 2008
Spatially explicit integrated economic model postdoc begins	Haynie	July 2008	
Behavioral foraging postdoc begins	Mangel	Sept 2008	
Coupled model first transect/low res runs	Hermann, Gibson, Aydin	Sept 2008	Initial results Jan 2009 model/ field meeting, continues through 2009.
Initial NPZ/FEAST sensitivity analysis showing sensitive parameters for field research	Aydin, Hermann, Gibson	Sept 2008	Initial results Jan 2009
Incorporation of 2008 field data	Aydin, Gibson	Oct 2008	Ongoing through July 2009
Update of progress at PI meeting.	<i>All BEST/BSIERP PIs</i>	Oct 2008	Results not expected; work on model structure and preliminary runs will be outlined.
“First results” workshop/ teleconference for field/model integration (based in Seattle with teleconference facilities, with expected participation of modelers and field researchers).	<i>All modelers and field researchers.</i>	Jan 2009	Presentation of initial results with two-way feedback between model and data components.
Low-resolution/restrospective runs for Management strategy and model evaluation	Aydin, Gibson, Hermann, Punt, Ianelli	Jan 2009	Through Jan 2010

Economics postdoc begins - beginning of economic integration		April 2009	
Mini-workshop , vertically-integrated modelers.	Aydin, Bond, Gibson, Hermann, Punt, Ianelli, Dalton	July 2009	
MSE postdoc begins	Punt, Ianelli	July 2009	
High resolution ensemble runs for “final synthesis”. Ongoing incorporation of field data	Aydin, Gibson, Hermann	July 2009	Through July 2010
Biomass dynamics postdoc begins	Kruse, Mueter	Sept 2009	
“Second results” at annual PI meeting for field/model integration (may be held at annual PI meeting depending on timing).	<i>Modelers and field researchers (all PIs)</i>	Oct 2009-Jan 2010	
Scenario examination using ensemble runs, focusing on future scenarios including humans, birds and marine mammals, evaluations of “uncertainty” in projections, comparisons with parallel models	Aydin, Punt, Ianelli	Jan 2010	By July 2011
MSE modeling workshop I , initial integration of multiple models (“parallel” models), driven by management needs.	<i>Modelers, outside management stakeholders/scientists.</i>	July 2010	
Hypothesis evaluation workshop at annual PI meeting (evaluation of primary field “hypotheses” from the results of the models, and final field season (hypothesis testing season))	<i>Modelers and field researchers (all PIs)</i>	Oct 2010-Jan 2011	Begin “final publication” on combined model and data syntheses of “Bering Sea Structure and Function”)
MSE modeling workshop II on results of management strategy evaluation, recommendation of a “prediction strategy” for future use of these models and field work, especially within an ongoing NPFMC management context.	<i>Modelers, outside management stakeholders/scientists.</i>	July 2011	
Completion of publications, final reports	<i>All modelers</i>	July 2011	
Final wrap up PI /AMSS meeting	<i>All PIs</i>	Oct 2011 - ?	

MAJOR EVENTS SUMMARY, all years

July 2008 Mini-workshop, vertically-integrated modelers.

October 2008 **Update of progress at PI annual meeting**. “Results” not expected at this stage, however all work on model structure and preliminary runs will be outlined. *Participants: all PIs.*

January 2009 **“First results” workshop/teleconference** for field/model integration (based in Seattle with teleconference facilities, with expected participation of modelers and field researchers). Presentation of initial results with two-way feedback between model and data components. *Participants: modelers and field researchers.*

July 2009. Mini-workshop, vertically-integrated modelers.

Oct 2009-Jan 2010 **“Second results” at annual PI meeting** for field/model integration (may be held at annual PI meeting depending on timing). *Participants: modelers and field researchers.*

July 2010: **MSE modeling workshop I**, initial integration of multiple models (“parallel” models), driven by management analyses of needs. *Participants: modelers, outside management stakeholders/scientists.*

Oct 2010-Jan 2011: **Hypothesis evaluation workshop at annual PI meeting** (evaluation of primary field “hypotheses” from the results of the models, and final field season (hypothesis testing season) begin “final publication” on combined model and data syntheses of “Bering Sea Structure and Function”) *Participants: modelers and field researchers.*

July 2011: **MSE modeling workshop II** on results of management strategy evaluation, recommendation of a “prediction strategy” for future use of these models and field work, especially within an ongoing NPFMC management context. *Participants: modelers, outside management stakeholders/scientists.*

July 2011- Completion of publications, final reports