Projection model workshop

# Uniformity among approaches

## Transparent ability to deal with split sex, multi-fishery cases

## Tiers 4 & 5

## New NSG1 (modification of current scenarios)

## Woods Hole and West coast projection models

# Stock status uncertainty

## MVN based on covariance matrix of begin-year N-at-age

### Done for Alt 3b, but requires a standard sdreport vector to be declared within the assessment model to produce an estimated covariance matrix

## MCMC expression

## Stock-recruitment relationship estimation

### Estimate

### Specify priors

### Autocorrelation

## Alternative 3b calculations

### Grant’s method of mapping F35% and B35% into stock-recruitment curve

### Another method using actual stock-recruitment estimates?

## Management strategy evaluations

### Use projection model in “automatic mode” for

# Tier 1 implementation methods for two and three-year projections

# Ability to evaluate catch-variability

## E.g., Grant’s Mean-Var/2 maximization

# Multi-species technical interaction projection model

## Linked by fishery bycatch rates

## Constrained optimization (LP) used

## Development needs

### Adding Stock-recruitment relationship

### Tier 1

### Modeled bycatch processes

#### E.g., function of abundances

#### Add stochasticity

# Production versions of mode

## Split sex, multiple fisheries

# Additional requests from assessment models

## Correlation matrix for N-at-age in most recent year

# Development of projection model documentation

# Tasks

## Scenario development (NSG)

### Grant

## Implementing MVN in N-at-age

### Dana?

## Implementing output from MCMC (develop standard input file format)

### MSE-like stuff

#### Teresa

## Retaining consistent interface with MSPPTIM

### Jim?

## Documentation

### Jim et al.

## Testing

### Martin, Dana

## Interface?

December 12th NYT article and December 13th Wall St. Journal article