Simulation setup

Get case arguments given scenario ID
`get_caseval`

Validate input models, copy folders, and rename files;
copy bias-adjusted .ctl file if needed
`verify_input`, `copy_ss3models`

Operating model

Replace recruitment deviations
`change_recdevs`

Replace F, M, selectivity, and growth values in .par file
`change_f`, `change_m`, `change_sel`, `change_growth`

Run the OM
`run_ss3model`

Copy new .dat file to the EM folder

Survey and composition sampling

Sample the survey index, fishery index,
age composition, and length composition data
with observation error; write to EM .dat file
`change_index`, `change_agecomp`, `change_lcomp`

Manipulate the EM starter file for retrospective analysis
`change_retro`

Estimation model

Change options in the EM; add forecasting if needed
`change_e`

Run the EM
`run_ss3model`

Find bias-adjustment factor if needed
`run_bias_ss3`

Repeat for
scenarios
and iterations