ESME Workbench 2011 11 March 2011

New in this version:

NUWC Scenario Simulator Integration

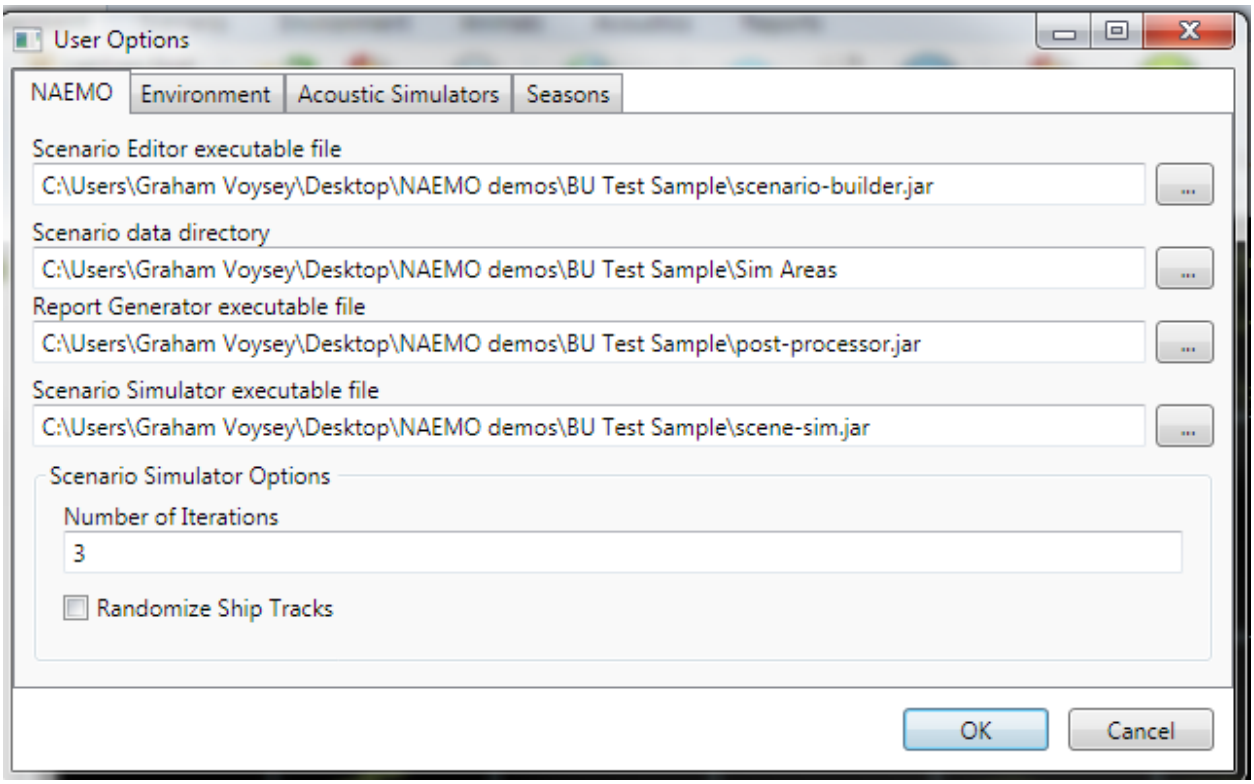
Support for the NUWC Scenario Simulator, with a properly configured data directory structure, is now present.

Given a properly configured NUWC directory structure as in this example:

Jacksonville	Monday, 07 March 2011 19:01	File folder	
lib	Monday, 07 March 2011 18:59	File folder	
logs	Monday, 07 March 2011 19:01	File folder	
msmt	Monday, 07 March 2011 18:59	File folder	
Sim Areas	Monday, 07 March 2011 18:59	File folder	
post-processor.jar	Wednesday, 01 December 2010 16:28	Executable Jar File	200 KB
scenario-builder.jar	Wednesday, 01 December 2010 16:28	Executable Jar File	377 KB
scene-sim.jar	Wednesday, 02 February 2011 11:03	Executable Jar File	155 KB

The steps to run a full scenario are as follows:

1. Launch ESME Workbench and configure the NAEMO Options Dialog:



   a. The Scenario Editor file should point to scenario-builder.jar
   b. The Data Directory is the Sim Areas directory
   c. The Report Generator and Scenario Simulator executables are set as well.
2. Open a preexisting .nemo file, or create one using the scenario builder, and locate it in Jacksonville/*.nemo. At the time of this writing, Animat positions are set within the NUWC Scenario Builder.

3. Open this .nemo file in ESME Workbench 2011.
4. Extract relevant environmental data inside ESME Workbench in the usual manner.
5. Populate Analysis Points as desired.
6. Click the Export button in the Sound subgroup to export CASS run files.
7. (complete a CASS run that populates the correct subdirectories with computed transmission losses)
8. Click Simulate in ESME Workbench. A dialog will launch allowing the number of iterations and randomization state to be changed from their default values for the given simulation.
9. Click OK.
10. The Scenario Simulator will launch in the system tray and queue the correct number of simulations
11. When complete, launch the Report Generator from the ESME Workbench.

Bugs fixed:

- Multiple scenarios cannot be simultaneously loaded.

Known Bugs:

- On a clean install of ESME Workbench 2011 onto a machine that has never been used before, it is necessary to fully populate the user options dialog with valid options before attempting to load a scenario file or perform any other major action. In future releases, this will be made explicitly mandatory though a “first-run” configuration wizard.
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