2.6 Batch operation

The SEAMCAT's Batch function allows automation of repetitive compatibility studies by scheduling several SEAMCAT simulations to be done in one run of the programme. This is done by setting up a simulation schedule with instructions on how to change certain variable scenario input parameters in several consecutive simulations. One typical example of using SEAMCAT batch functionality would be to perform multiple simulations in order to study interference probability on identical scenarios with only small frequency changes between them.

A new batch can be created directly from the quick menu button or you can open an existing batch file using the usual open icon. The following menu button can be used for the batch

	new batch		close workspace or batch
	open (workspace or batch)		start event generation (workspace or batch)
	save		stop event generation (workspace or batch)

Table 3: Overview of the batch operation menu buttons

The batch environment, as shown in Figure 28 consists of 3 panels (#1), identification, control and Workspaces.

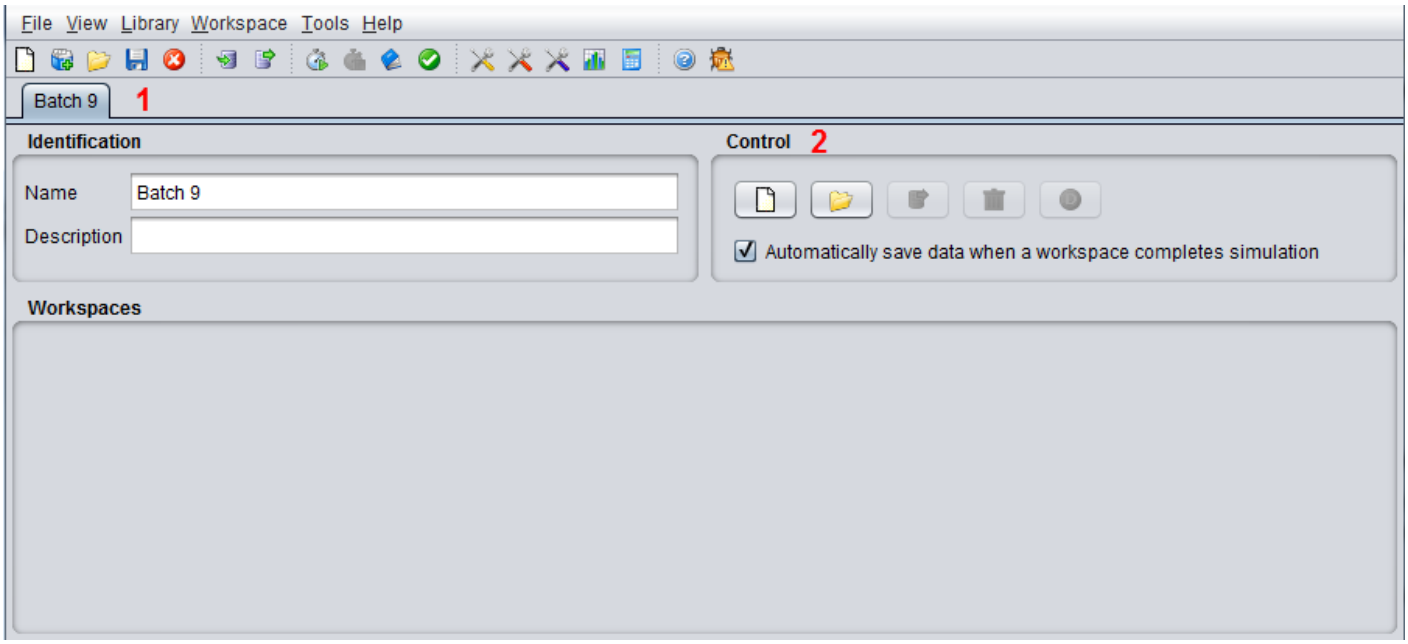

Figure 29: Batch environment

The control panel provides the following buttons dedicated to workspaces:

Table 4: Overview of batch control panel

	New workspace to add in the batch		Remove a workspace from the batch
	open a workspace to the batch		Duplicate a workspace inside a batch
	Save a workspace		

When several workspaces are opened in the batch mode environment, parameters can be directly modified in the workspace with an unlimited number of times by adding new simulations to the batch schedule until the intended variation of input parameters is fully covered by all entries.

It is also possible to save workspace results automatically after completing their simulation.

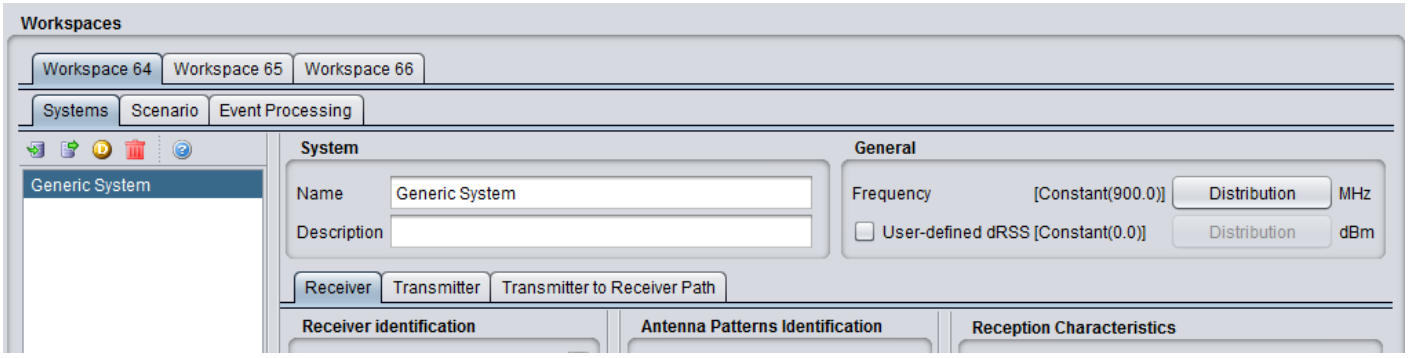

Figure 30: Workspaces panel, where you can load as many workspaces as your memory can handle

Batch results (Figure 29 #1) are available when the batch simulation is started. A result tab (#2) is by default active indicating the progress of the batch work (#3) and provides interference calculation engine capability (#5). When pressing the analyse button the ICE is activated and the probability of interference is displayed (#6).

The results vectors for each workspace are also available (#4) for scrutiny.

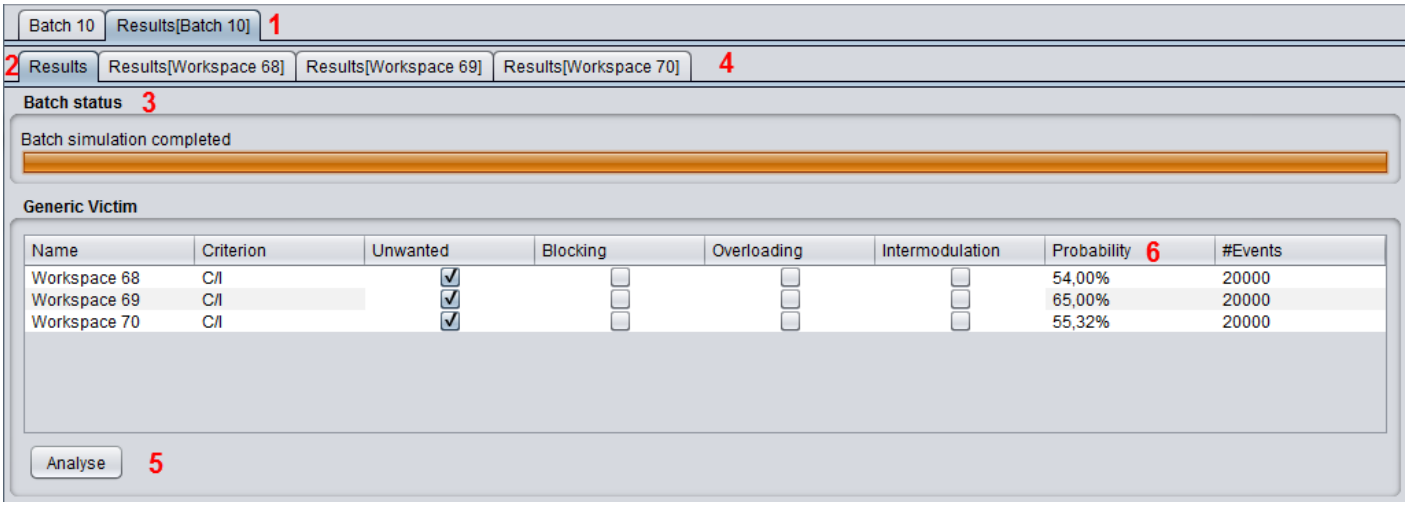

Figure 31: Batch results environment

If the “debug mode” is selected and a batch is run, the batch will stop until the log window is closed.

Revision #1
Created 2026-04-14 08:36:59 UTC by ECO TECH
Updated 2026-04-14 08:51:18 UTC by ECO TECH