Step-by-step Guideline DISPLACE version 0.8.4

Setup and run a queue of DISPLACE simulation from the scheduler

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The scheduler can be found in DISPLACE main menu



Then click on the add icon button to add new jobs...



Insert new job(s)	8 X
Simulation Model Path	
Model Name	
Output folder name	

Look for a scenario by clicking on '...'

Select a scenario file - look at simusspe_* directory					
00- <mark>1 «</mark> M	My Documents 🕨	GitHub 🕨 DI	SPLACE_input	simusspe_myfish	• 4
Organize 🔻 🛛 N	lew folder				
🔆 Favorites		<u>^</u>	Name		^
Nesktop			📄 baseline.	dat	≡

Select a scenario .dat file...

The job is then automatically filled in:

Insert new job(s)		? ×
Simulation Model Path		
C:/Users/fbas/Documents/GitHub/DISF	LACE_input	
Model Name		
myfish		
Output folder name		
baseline		
Simulation Name		
simu[0-5]		
Simulation Length		
8762 steps		-
Record Vessels position		
Verbosity Level		
0		
Shortest paths		
Preexisting paths		
1		÷
Use static paths		
1		•
Multithreading		
Number of threads:	4	*
	OK Can	cel

We now have to specified how many runs we want for the same scenario to be put in the queue:

Simulation Name	5
	4

For example 5 runs for the baseline scenario:

Batch job creation		l	? X
Base Name	simu		
First Sequence Number	0		* *
Last Sequence Number	5		* *
		ОК	Cancel

Which gives the text pattern:

Simulation Name	
simu[0-5]	

After clicking ok the scheduler is now filled in with:

Displace Scheduler tool					
File Edit					
	0 × 0			6	
Job Name	Model Name	Jutput folder nam	Steps		
myfish	simu0	baseline	8762		
myfish	simu1	baseline	8762		
myfish	simu2	baseline	8762		
myfish	simu3	baseline	8762		
myfish	simu4	baseline	8762		
myfish	simu5	baseline	8762		

Under Windows, we want to generate a batch file (extension .bat) to gather the command line for launching DISPLACE and the sequence of runs. Under Windows a batch file is lauched by double clicking on it. But first we need to generate the file, by clicking on the icon:



And save it somewhere:



And voilà! By clicking on the batch file the queue of simulation will be launched.

For more advanced use, the job queue can be saved, modified if necessary and loaded later on trought using a very simple format called .dsf:

E D	isplace Scheduler tool		
File	Edit		
	New		
	Open		
B	Save		
	Generate Script		
ወ	Quit		
-		-	
E S	ave scheduler file		
Ο	🕞 – 🚺 🕨 Compu	ter 🕨 Default (C:) 🕨 test 🔍 🗸	Search test
	File name: jobs		
	Save as type: Sche	duler files (*.dsf)	
	Browse Folders		Save

With the content being in our case:

```
C:/Users/fbas/Documents/GitHub/DISPLACE_input,myfish,baseline,simu0,8762,4
C:/Users/fbas/Documents/GitHub/DISPLACE_input,myfish,baseline,simu1,8762,4
C:/Users/fbas/Documents/GitHub/DISPLACE_input,myfish,baseline,simu2,8762,4
C:/Users/fbas/Documents/GitHub/DISPLACE_input,myfish,baseline,simu3,8762,4
C:/Users/fbas/Documents/GitHub/DISPLACE_input,myfish,baseline,simu4,8762,4
C:/Users/fbas/Documents/GitHub/DISPLACE_input,myfish,baseline,simu4,8762,4
```

So the user can imagine to directly add some jobs in this file before loading it back into the scheduler with:

