Hands-on model running with automation - Webinar Q&A 20th August 2025 Question Details

#	Question	Answer	Answer Name
		Jaap no doubt knows, but I might have to plead ignorance. What is DNV? JV: I'm sorry to say it does not ring a bell, and I can't tell what the	
		context is of the question - perhaps it's just a misspelling on a single letter, but it's hard to say. If whoever asked the question reaches out	Phillip Ryan, Jaap van
1	Is DNV used?	to support@tuflow.com, I'm sure we could provide an answer.	der Velde
		TUFLOW FV works on both Windows and Linux. JV: There are packages available as either .rpm or .deb. There is development currently	
		underway to release TUFLOW Classic/HPC on Linux as well, but we cannot say with certainty what the first release will be that will be fully	
	The CLI tooling is usually better on POSIX systems such as MacOS, Linux or	supported on Linux. Keep an eye on TUFLOW news though, because we're getting close. There are no plans currently to also build	
	even WSL. Does tuflow work on those systems or are there any plans to make	specifically for MacOS. But on a Mac, running TUFLOW in Docker should be a lot easier than getting the Windows version to work without	Phillip Ryan, Jaap van
2	tuflow available on MacOS and Linux?	issues, once a Linux build is available.	der Velde
		I hear you Henry. I'll ask Jaap to give his comment as well, but my take is:	
		- It would immensely helpful if you can get non-Python-coder on board explaining the power of automation.	
		- you can make the input easier for non-coder, by limitting the number of inputs or by using text/csv file as input	
		- you can also configure consistent python environment on your colluege's PCs, so that it becomes easier for everyone to kick off any	
		scripts	
	Many users of tools I write aren't comfortable editing YAML or Python configs,	JV: Writing a YAML configuration seems very close in technical complexity to writing a TUFLOW configuration file. I think it's often a matter	
	so I often end up building GUIs. These help, but they add development and	of users not understanding what the values they need to enter represent, rather than the format itself being the problem. Instead of a GUI,	
	maintenance overhead. Do you have any tips for enabling non-programmers		Shuang Gao, Jaap
3	to adjust configs and run scripts independently?	helping them write a better one, beyond just an error message.	van der Velde
		It can go a bit further than that. You can read the results generated by the model, and use some algorithm to decide the model parameters	
		used in the next simulation rather than running all snenario combinations. There have been more and more studies on "machine-	
		assisted" model parameter calibration in the past few years. PEST is a great example. We've attempted to use Genetic Algorithm, which	
		was presented by a keynote speaker in last year's HWRS conference.	
	Thank you for the presentation. I've heard that AI is already being applied in	PEST: https://pesthomepage.org/	
	model calibration, and I'm curious about the extent of automation it provides.	Genetic Alorithm: https://en.wikipedia.org/wiki/Genetic_algorithm	
	Is it primarily focused on generating multiple scenarios, or does it go further		01
4	than that?	and there must be more!	Shuang Gao
		In the presentation, I was using ChatGPT, and the command line tool I demonstrated was using OpenAl's GPT API as well. However, in VS	
	As a sure and with the second first background in ObetODT. For seed Alfan and other	Code I use GitHub Copilot, and for programming chat in general, I prefer Claude. In all cases I have found that the paid tiers of any model	
		performs better than the free tiers of the rest. I would recommend trialling a few you like and selecting one that goes well with your	loon von dor Voldo
	codes or there are some better AI models for better results? If we run 3 batch at the same time with powershell, would we get the error for	favourite tools for a paid subscription. Also consider privacy when comparing free to paid services. Hi Sima, you should be able to run mulitple models concurrently with the latest TUFLOW release (2025.1.2). XF filename command might	Jaap van der Velde
,			
			Abigail Lilla
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		Yes, have a look at the additional materials provided with the presentation .PDF. There's an example that shows how you can obtain	
		information about NVIDIA GPUs from the CLI as well. It's not trivial, but you could certainly check how many GPUs are in use for example,	
9	Can PowerShell be used to direct TUFLOW runs to available GPUs as well?	and only start new runs if a GPU is available for one.	Jaap van der Velde
		I don't think it's a requirement, but I certainly think it's a benefit. You can be much more productive and save yourself a lot of repetitive	
ł		work if you have some basic coding skills. Learning about coding and using your computer will also greatly improve the benefit you will be	
		able to get from using Al. Whenever you ask an LLM chatbot a question and it gives you an answer that involves scripts, commands, or	
		code, it would be bad to just enter what it says and hope for the best, and certainly limiting - how far are you willing to trust it not to	
		damage your data or computer? And if you no longer understand what it is you are doing, is the Al on its way to take over your job? On the	
		other hand, if you use the AI to help you learn about code and automation, you'll end up being able to do more yourself and the AI will work	
	Do you think being able to write code is a standard requirement for a flood	for you instead of the other way around. Even without AI though, I think coding is a very helpful skill to have. A lot of work is repetitive, and	
10	modeller?	some work is simply impossible to do by hand, while still adding value.	Jaap van der Velde
		Check what is provided as extra materials with the presentation in PDF format - the examples that were demonstrated have been	
	Hi, Thanks for the presentation. just a general question. do we have these	provided as code with some minimal explanation. Some of them have documentation where they are available. If you have need for a	
	automation tools on tuflow websie? if not can the developers make a few? to	specific tool, feel free to ask support@tuflow.com if they can recommend a solution, or perhaps we can use your idea to develop new	
11	save our time	solutions for our users.	Jaap van der Velde