TUFLOW 2026 Release Q&A Report

#	Question	Answer	Answer Name	Updated Answer
1	Does TUFLOW FV support modelling of 1D pit and pipe networks?	TUFLOW classic/HPC is specifically used to model 1D pit and pipe networks through the integrated ESTRY engine. For TUFLOW FV, integration of ESTRY is on the development roadmap, but it is not currently available.	Saman Ansari	
2	What is the advantage of TUFLOW HPC over TUFLOW FV? TUFLOW FV seems more flexibly applicable; why not use that for flood studies?	Both TUFLOW FV and TUFLOW HPC (and fixed grid / flexible mesh modelling in general) have pros and cons. TUFLOW HPC started in flood modelling, where fixed grid has advantages in ease of model setup and speed and TUFLOW FV from coastal / estuarine modelling where flexible mesh, 3D, sediment transport are more likely to be required.	Phil Ryan	
3	Conversely to Anonymous Attendee 01:12PM question - why use TUFLOW FV now that TUFLOW HPC Quadtree exists - for hydrodynamics only?	TUFLOW FV offers capabilities such as 3D, sediment transport, and water quality processes, which are not currently available in TUFLOW Classic/HPC. For example, in 3D, FV can represent density variations and stratification through the water column, which allows you to capture processes that can't be resolved in depth-averaged approaches.	Saman Ansari	
4	Can flow be exchanged between two adjacent 2D domains?	The flow exchange between HPC and FV is one way at the moment. The flow caclulated in the HPC domina (the upstream catchment) is applied as inflow to the FV domian. The water level/flow from the FV domian is NOT used in the HPC simulation. However, the live data exchange between HPC and FV is also on the development roadmap.	Shuang Gao	
5	What is the maintenance cost for TUFLOW FV?	It depends on what lock type and licence you have. We have a pricing list on the TUFLOW website which outlines the different options. https://www.tuflow.com/pricing/ If you have any further questions, please email sales@tuflow.com and we can get back to you.	Emilie Nielsen	
6	Are there any example models or tutorials available for learning TUFLOW CATCH?	Yes there is. We have four tutorials on the TUFLOW Wiki and a suite of demonstration models. Please see the following links for more information. Tutorials: https://wiki.tuflow.com/TUFLOW_CATCH_Tutorial_Introduction Demo models: https://wiki.tuflow.com/TUFLOW_CATCH_Demo_Models	Emilie Nielsen	
7	Is there any advantage in running TUFLOW HPC in linux vs windows based on the same hardware?	On the same hardware, Windows may incur a bit more overhead and will require a paid licence, unlike many Linux distributions. Performance will be very comparable, and there will be a performance penalty when running on WSL under Windows. The benefit of still doing so would be for design purposes, to be able to deal with Linux-specific issues in the model configuration. (during the webinar, the answer given assumed running on WSL vs. just Windows, which is not the literal question)	Live answered by Jaap	
8	How is TUFLOW CATCH different from eWater MUSIC? When would we use TUFLOW CATCH instead of MUSIC for water quality modelling?	As far as I understand it, MUSIC subdivides the catchment into nodes (urban/forest/agricultural etc) and simulate the runoff/water quality based on hydrology model. On the other hand, TUFLOW CATCH models the runoff and the fate of the pollutants based on the hydrodynamic solver at the resolution of 2D HPC mesh. As such TUFLOW CATCH has higher spatial and temporal resolutions, and is good at preserving fine scale on-ground connectivity of water pathway and pollutant treatment facilities, and capturing the sub-daily changes in hydraulic conditions. In short, TUFLOW CATCH is more suitable for short term fine scale assessment, while MUSIC is still much faster and suitable for long term broadscale simulation. Note that the impact of water treatment node in MUSIC can be added as an "intervention" object in TUFLOW CATCH, so these 2 methods can really compliment each other. I believe Michael will be happy to answer more during the Q&A.	Shuang Gao	
9	I noticed the older releases used names like 2020-10, then we moved to 2025.0.0 and 2026.0.0. For those of us who are easily confused before our second coffee, can you explain the new naming convention, and how we should know whether a release is a major, minor, or patch update?	The three numbers, major, minor, and patch have a broadly accepted standard meaning. An uptick in major version indicates possibly breaking changes, like changing defaults, or different values due to technical changes to the solvers. An uptick in minor version can mean new features or changes, but will not change the defaults. A functional change that corrects some model outcome would also be released as a new minor version. A patch indicates a fix of a problem or bug that needs an urgent fix, and won't affect results.	Jaap van der Velde	
10	Is there a plan to get wind stresses integrated into HPC Quadtree? My current understanding is it works in HPC, but not when Quadtree is used	Wind stress via the .tesf works for Classic, HPC and also Quadtree.	Phil Ryan	
11	Has the TUFLOW team tried / considered supporting use of compute management utilities available for Linux including use of GPUs, e.g. using SLURM to manage job scheudling?	We run TFV on HPC with slurm. The biggest challenge was the licence management, we had to run in a container so the WIBU software could be running and seen by TFV without having it run globally on the HPC. What can also be challenging is sharing resources like GPU if multiple simulations run on a single machine with access to a limited number of GPU instances - this is more of a SLURM matter than a restriction of TUFLOW. TUFLOW allows you to select a specific instance in a predictable way. Generally, TUFLOW for Linux works well with tools like SLURM and pbs+torque, as well as cloud-based solutions like Azure Batch and AWS Batch.	Matt Gibbs / Jaap van der Velde	
12	For new TUFLOW users, can you explain why GDAL integration in TUFLOW HPC 2026 is a big deal in plain language? Does it mainly mean fewer file format problems when working with rasters from GIS?	It uses an external library (the same as QGIS does), but in short better support / fewer issues. GDAL integration will likely be extended further in the future. See also https://docs.tuflow.com/classic-hpc/changelog/2026.0.0/#opt-in-option-to-use-gdal-library-to-read-and-write-some-raster-grid-formats	Phil Ryan	
13	Previously, we used to download TUFLOW and save it to computer, now I can see windows installer .msi, what will be the difference? after installing it, the way we used to run TUFLOW will be same? Thank you	Running TUFLOW after is has been installed will be the same, except the exe location will be different. There is also a .zip file which contains a similiar .zip file you are used to. In addition TUFLOW products can be installed in c:\program files (all users) or just for the current user (C:\Users\your.name\AppData\Local\Programs\TUFLOW).	Phil Ryan	
14	We are still using QGIS version 3.28.11-Firenze. It's very hard to get the latest version in my companies IT environment. Will TUFLOW Viewer v2? interface with older QGIS versions?	We don't have a definitive minimum version of QGIS required to use the TUFLOW plugin. However, we suggest to use at least QGIS 3.38 or QGIS 3.34.13 LTR. There are more details on the reasoning for this in the TUFLOW Viewer documentation: https://docs.tuflow.com/qgis-tuflow-plugin/2026.0/tuflow-viewer/installation/#supported-qgis-versions	Emilie Nielsen	
15	More of a comment than a question, huge kudos to TUFLOW Support. My crash logs have not yet become my resignation letter thanks to youu	Thanks for the feedback!	Phil Ryan	
16	which QGIS3 version compatible is for TUFLOW Viewer v2? and would it be also available in QGIS 4 (coming in Oct)?	In terms of QGIS 4, pre release versions are currently available. I am using the TUFLOW Viewer v1 in QGIS 4.0.1-Norrköping We suggest to use at least QGIS 3.38 or QGIS 3.34.13 LTR. There are more details on the reasoning for this in the TUFLOW Viewer documentation: https://docs.tuflow.com/qgis-tuflow-plugin/2026.0/tuflow-viewer/installation/#supported-qgis-versions	Phil Ryan	
16	which QGIS3 version compatible is for TUFLOW Viewer v2? and would it be also available in QGIS 4 (coming in Oct)?	thanks Phil, i cant use a pre-release version in the office, waiting for QGIS4 LTR	Sri Adiyanti	
17	does the v2 viewer come with default styles for usual-suspect outputs? e.g. depth, vel. bss etc -are these in the pytuflow bank and forced to the viewer upon install (assuming the user hasn't yet changed the default to a new style?)	There is not a default style that comes with the viewer, however the user can set their own default style and save it. E.g. Set a default style for 'depth' and this will be used each time a result with 'depth' in it is loaded. In this case, this would also be applied to 'maximum depth'. This is cached locally and can be copied to other computers if you want a consistent styling across the team. Link to the documentation: https://docs.tuflow.com/qgis-tuflow-plugin/2026.0/tuflow-viewer/xmdf/#default-styling		
18	Is there an update on the status of the ArcGIS Pro TUFLOW plugin?	Unfortunately nothing to report. We will try and get PyTUFLOW into the addin at some point. However, ArcGIS Pro doesn't support the XMDF format, so it will never quite be the same as the QGIS plugin. On the positive side, the nice thing about ArcGIS Pro is that it has a lot of native plotting functionality already, so you don't need an addin to do this for you.		
19	gor support questions, should users be contacting the info email or support email?	Please use the support@tuflow.com email for all support questions.	Emilie Nielsen	
20	my question might be outside of the scope of this presentation. apology. I was wondering whether it's possible for TUFLOW to have an option that outputs all errors in a single run, rather than stopping after each run with error. At the moment, we have to fix one error, re-run the model, then fix the next error and run it again, just to see if any additional errors appear. Hopefully that makes sense.	possible. However, it is not possible to capture all errors in a single pass through, for example, when processing 2d_bc 'SX' points (which should be snapped to 1d nodes), we can only check if these are snapped after the node locations are known. The node locations are determined in the processing of the 1D channels and nodes. Errors in the 1D (such as duplicate channel / node IDs), would mean that we are unable to determine where the 1D nodes are. However, in the example above, all SX connections that are not snapped should be reported at the same time before TUFLOW exits. If these errors are occurring in the 1D stormwater drainage network (which is quite common) we would recommend using the QGIS TUFLOW plugin '1D Integrity Tool'. For more information please see: https://wiki.tuflow.com/1D_Integrity_Tool. There is always more that we can do to improve, so if you are able to provide more information on the errors that you were getting that you needed to work through, we can investigate improving this. Please email	Phil Ryan	
20	my question might be outside of the scope of this presentation. apology. I was wondering whether it's possible for TUFLOW to have an option that outputs all errors in a single run, rather than stopping after each run with error. At the moment, we have to fix one error, re-run the model, then fix the next error and run it again, just to see if any additional errors appear. Hopefully that makes sense.	This is a great idea. We encounter the same issue during debugging as well. We're looking some errors that can be output toghther rather than stopping at the first one. Meanwhile, if you know a specific error type that has this issue, could you please let TUFLOW support know so that we can keep track of them?	Shuang Gao	
21	Are there plans for more frequent online training during the 2026, especially for users wanting to build skills between major releases? Seems like there's more focus on face to face, and petrol's expensive right now ;)	Yes, online training allows us to access users across the globe. Please check the training cataloguehttps://tuflow.com/training/training-course-catalogue/and set the Delivery filter to online. Online training is also so much better for the environment.	Robert Graham	
22	More of a comment, but thank you for incorporating gdal in 2026. Few people realise what a game changer gdal is, i.e. how much it can reduce the file size of your output rasters with compression, no extra outside steps needed. Clients/Councils will be happy with smaller data transfers. Input raster compression with gdal is also highly recommended for those not using it already, e.g. input DEMs	Noted		
23	Has TUFLOW considered offering the training catalogue as a subscribable Outlook .ics calendar to keep track of upcoming courses and updates?	We do not currently have this as an option but it is a great idea! I will forward it onto the web development team.	Robert Graham	
24	Is there an equiavalent (and capable) TUFLOW plugin for ArcGIS?	There is an addin, and it is very similar for most of the editing and importing tools. Where it differs a lot is on the output viewing side. ArcGIS Pro does not support the XMDF format. For this reason, it will mostly likely never be exactly equivalent to the QGIS plugin. On the positive side, the nice thing about ArcGIS Pro is that it has a lot of native plotting functionality already, so you don't need an addin to do this for you.		
25	Firstly, thank you to TUFLOW team and their great support throughout years from TUFLOW Forum till now. Then, the question: Are TUFLOW FV and Catch compatiable with third-party software packages such as 12d?	TUFLOW products accept the shape spatial file format. Products that can export this format and have control over the attribute order and type can be used.TUFLOW CATCH models are usually based on an HPC model. This portion of the CATCH model build would be well suited to the 12d TUFLOW functionality.	Robert Graham	
26	Can this updated version used for river morphological modelling?	Yes. This is a core TUFLOW FV capability, with the sediment trasnport module		
27	Could there be a dedicated webinar focused on the TUFLOW ARR plugin? We still have many grads who are confused on how to use it properly. And many thanks to recent TUFLOW training team. It is one of the few places where beginner questions feel welcome.	Thank you for your suggestion, we will take it into a consideration. In the meantime, please see followign Wiki page: https://wiki.tuflow.com/QGIS_ARR_to_TUFLOW		
28	Does TUFLOW support modelling of linear drainage structures, i.e. grated channels, slotted channels, and slotted barriers?	TUFLOW 1D (ESTRY) does not have these types of channels as standard channel types. However, these are typically modelled as Q type pit inlets (user defined depth-flow relationship), Q Channels (Upstream Depth-Discharge Relationship) or M Channels (User Defined Flow Matrix). Note that when using TUFLOW with EPA SWMM 1D networks, that SWMM has a range of standard inlet types (including a slotted inlet). It is possible to connect 1D network (either ESTRY or SWMM) to the groundwater layers refer https://docs.tuflow.com/classic-hpc/manual/2026.0/OneD2dLinking-2.html#SXBoundaryGW-4. These may be of use when modelling these types of drainage structures.	Phil Ryan / Rusty Jones	
29	Any list of upcoming conferences where we can expect to see TUFLOW present and have a direct chat with you guys/ladies?	Water New Zealand Stormwater Conference 12-14th May 2026 ASFPM Milwaukee, 31st May June 1st 2026	Chris Huxley	
30	Do you support/operate in Europe or Africa, Northern hemipshere?	Yes. We have staff in the UK and USA, and resellers in France. We supportall users worldwide, regardless of where they are based.		