

Webinar Q&A: Unify your flood modelling

| Question # | Question | Answer(s) |
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| 1 | From my experience in flood modelling, I found different software(s) produce flood maps such as flood depth, level, velocity, hazard, flow, risk, hydraulic categories etc. However, the final output maps have discrepancies even the flood modeller use same input data such as landuse, DEM, hydrological inputs, stormwater assets network etc. Can flood platform address these discrepancies in results? | Hi Prabin – this is a challenge. While Flood Platform is looking to incorporate quality assurance tools, these differences between mapped outputs are not only based on the input data but how a modellers or modelling team chooses to develop those models; a subtle change in the alignment of the computational grid will result in different mapping products. |
| 2 | Could you share any case study highlighting how real-time data is analysed and results communicated to stakeholders for saving lives and assets of communities? | Hi Wesley - Here's a link to Real-time Flood Forecasting that Jacobs has been developed with the Environment Agency in the UK. It discusses a use case of using real time data to develop flood information for dissemination to the public - https://www.jacobs.com/newsroom/news/real-time-flood-forecasting-climate-response |
| 3 | Is it like model set ups were done in the local PC? | That's right Sonam - currently models will be built on local machines and run through the Flood Platform. In the future we aim to have functionality in Flood Platform to build models. |
| 4 | What's the subscription fee like for Flood Platform? | live answered |
| 5 | How can the platform handle feeding multiple scenarios, AEPs, durations, temporal patterns, etc into a single simulation's tcf (control) file? | live answered |
| 6 | Is Flood Platform of most use to consultants, or do you perceive a role for it for clients e.g. local governments who have their own flood model, the results of which are viewed by the public, and the model being purchased and used by developers? | We see uses for both flood modellers and organisations with suites of flood model. For flood modellers there will be all of the features that Adam is talking about. For organisations, there will be significant model management, collaboration and visualisation features. |
| 7 | How flexible is this system for different types of models and their folder structures? We aren't always just doing flood modelling, we could do erosion modelling, for example. | live answered |
| 8 | In the interest of comparing my company's modelling machine simulation speed, how powerful is the cloud resource when simulating say a TUFLOW GPU simulation (with Quadtree)? | live answered |
| 9 | Are the 'pre-flight' checks most developed for Tuflow CPU Classic models? What sort of checks are done for Tuflow GPU HPC models? | Both - they are still being developed and will be based on user feedback. |
| 10 | Are the results stored in Flood Platform's cloud? does the client need a Flood Platform account to access the model or can the model be exported? is the IP of the model developed in Flood Platform owned by the users? | live answered |
| 11 | Do you also have to purchase your own TUFLOW license with this, or does your subscription cover the solver license? | live answered |