Question Report

Report gen	25.06.2026 08:54:03					
Topic	Webinar ID	Actual Start Time	# Question			
Autodesk |	897 1702 9057	24.06.2026 11:30:50	19			

Question Details

#	Question	Asker Name	Answer	Question Time	Answered Time	Answer Name
1	Hi, we are prototyping a hydrokinteic turbine generator/pump to fit in Australian water utilities and storm waterways. Does Autodesk have a hydraulic flow database to validate our research in different regions and pipeline netwroks?	Tewfik George Saad	Hi Tewfik, thank you for your question. Do you refer to simulating the hydraulic behaviour of the pump during operations? If yes, then InfoWorks ICM can validate by replicating the actual pump operations via real-time controls	24.06.2026 12:37:32	24.06.2026 12:52:	Eland Afuang
2	Can this handle larger AEP design events than the ones directly downloaded from BoM ?(I.e., up to the 1 in 2,000). Or do you have to use a workaround	Angus Rose	Hi Angus, yes ICM has a tool (ARR Storm Generator) that can extract rare IFD (up to 1in2000) as well as frequent IFD (down to 12EY) directly from BOM to generate these design events.	24.06.2026 12:54:16	24.06.2026 13:17:	Matthew Piggott
2	Can this handle larger AEP design events than the ones directly downloaded from BoM ?(I.e., up to the 1 in 2,000). Or do you have to use a workaround	Angus Rose	Thanks Matt, how about past these though? I.e. up to the PMP for example? There isnt a built in tool to generate a PMP however we can use the ICM scripting function to automate this task. Any custom rainfall can be setup in ICM.	24.06.2026 12:54:16	24.06.2026 13:22:	Angus Rose
2	pls send me info. great if we cn catch up after	Angus Rose	Here is a specific example to give some ideas. Happy to connect to discuss further https://www.autodesk.com/support/technical/article/caas/sfdcarticles/sfdcarticles/Using-RTC-in-InfoWorks-ICM-How-to-use-a-variable-as-a-timer-to-track-time.html	24.06.2026 12:54:16	24.06.2026 13:22:	Angus Rose
3	How do you define catchment boundaries in urban and rural environments?	Tewfik George Saad	Hi Yuwana, thanks for your question. We have provided an answer to a related question. External tools like GIS packages or other Autodesk's design tools like InfraWorks and Civil 3D have tools to auto create/delineate catchment boundaries which can be imported into ICM.	24.06.2026 12:54:25	24.06.2026 13:03:	Eland Afuang
4	How do you define catchment boundaries in urban and rural environments?	Yuwana Sriraharjo	In practice, how do you balance topographic boundaries with engineered drainage systems when defining catchments in urban environments, compared with predominantly natural rural catchments? This is one of the advantages of having basemaps available inside the product. If we dont have on-the-ground survey information to tell us where urban systems are draining, we can make informed assupmtions through an areal view as well as combining any avilable GIS asset information.	24.06.2026 12:55:50	24.06.2026 13:08:	Eland Afuang
4	Hi @Matthew Piggot - is there a plan to integrate groundwater pathways and associated risks to flooding from return flows into the ICM?	Yuwana Sriraharjo	live answered	24.06.2026 12:55:50	24.06.2026 13:12:	Yuwana Sriraharjo
5	Does ICM have automated function to create / deliniate cathment based on the availabel DTM?	Dan Evans	InfoWorks ICM typically directly imports catchments generated from external GIS packages or from other Autodesk's applications like InfraWorks and Civil 3D which have tools to automatically generate/delineate catchments using your 3D surface model to identify drainage boundaries and flow paths	24.06.2026 12:56:58	24.06.2026 13:23:	Eland Afuang
6	What types of monitoring data provide the greatest value for improfing catchment planning and stormwater model reliability?	Mohammad Hira	Aside from rainfall data (eg gauge, radar, etc), which would be key to any catchment/stormwater operational model, this can really depend on the type of study / purpose of our catchment model. For example water quality vs water quantitiy. You would also want to consider monitoring hydraulic properties of critical water infrastucture, such as depth/flow in a key stormwater trunk main.	24.06.2026 13:01:01	24.06.2026 13:06:	Eland Afuang
7	Can cross-sections be generated from digital elevation model and imported to the software?	David Pasaribu	Hi Iqbal, yes ICM can sample cross section data at given chainage intervals from a DEM	24.06.2026 13:01:33		
8	How can InfoWorks ICM be used to model the integration of rainwater harvesting with Managed Aquifer Recharge (MAR), and what outputs or performance indicators can be used to evaluate the effectiveness of such systems?	Iqbal Hossain	Hi Faiz, InfoWorks ICM can represent groundwater primarily through groundwater infiltration into drainage networks, rather than as a full 3D hydrogeology / aquifer modelling package. For groundwater, the key capability is the Groundwater Infiltration Model. It is designed to model the slower groundwater-driven response that conventional runoff models do not capture well.	24.06.2026 13:02:40	24.06.2026 13:19:	Matthew Piggott
9	Is there a way to seamlessly transfer the modelled pipe networks including alingment and inverts in infoworks ICM or infodrainage to civil 3d to avoid recreating the network	Faiz Raza Hassan	Hi Emmanuel, thanks for your question. Civil 3D has an ICM import/export tool to integrate. Similarly, InfoDrainage directly integrates with Civil 3D for a full design/analysis roundtrip	24.06.2026 13:04:49		
10	Can you also integrate groundwater drainage into the system?	Emmanuel Peralta	InfoWorks ICM can represent groundwater primarily through groundwater infiltration into drainage networks, rather than as a full 3D hydrogeology / aquifer modelling package. For groundwater, the key capability is the Groundwater Infiltration Model. It is designed to model the slower groundwater-driven response that conventional runoff models do not capture well.	24.06.2026 13:05:30	24.06.2026 13:11:	Eland Afuang
11	Which product package do we need to have access to ICM?	Leo Caguimbal	Infoworks ICM is a standalone solution and is not included in a collections, there are 3 configurations Infoworks ICM Sewer, Infoworks ICM Flood and Infoworks ICM Ultimate. If you would like to know more happy to connect to discuss.	24.06.2026 13:06:04		
12	How can InfoWorks ICM be used to optimize the design and operation of rainwater harvesting systems for MAR?	PHILLIP HARRIS	Answered in Q9	24.06.2026 13:06:12	24.06.2026 13:08:	Des Ceronio
13	Can InfoWorks ICM evaluate the impact of rainwater harvesting and MAR on urban flood mitigation and groundwater recharge simultaneously?	Anonymous Attendee	Answered in Q9	24.06.2026 13:07:54		
14		Faiz Raza Hassan		24.06.2026 13:08:36		

	Has InfoWorks ICM been widely adopted as a hydraulic modelling and flood assessment platform by local councils across New South Wales and Victoria, Australia?My understanding is that most local councils and state government agencies in NSW and Victoria predominantly use TUFLOW for flood studies and floodplain risk management projects. In contrast, InfoWorks ICM appears to be more commonly adopted by water authorities and some councils for integrated stormwater and urban drainage network modelling.		Hi Zhao, InfoWorks ICM is increasingly used where integrated drainage-network and floodplain interactions are important. Various deployments are present accross councils/utilities typically delivered through their consulting firms. The platform's combined 1D/2D capabilities are particularly useful in urban catchments where stormwater pipes, pits, overland flow paths, and floodplain behaviour need to be assessed together. Happy to connect to discuss this further.		
15		zhao Hao		24.06.2026 13:09:55	24.06.2026 13:15: Des Ceronio
	Where do the damage curves come from for the Risk Analysis?		These typically come from local/national guides or studies done to that effect. There are some referenced examples in the UK available		
16		Anonymous Attendee		24.06.2026 13:10:49	24.06.2026 13:21: Matthew Piggott
	That risk model that you've shown. Did that include drainage pipe network / culverts in the model or just the overland flow?		live answered - the damages output relate directly to the depth of water impacting the property/landuse area. That said we could run scenarios where we change the performance of the drainage system/culvert to see how that might relate to changing risk.		
17		Leo Caguimbal		24.06.2026 13:13:20	24.06.2026 13:28: Eland Afuang
	is InfoWorks ICM can run GPU instead of CPU?		Yes Infoworks ICM utilises parrallel CPU and GPU processing to improve simulation times. In addition it can include Cloud Simulations to further improve distributed simulations and reduce the need/reliance on high powered devices.		
18		zhao Hao		24.06.2026 13:15:00	24.06.2026 13:18: Des Ceronio
	Can this model a dual stage OSD and/or a rwt/osd		It is possible to model a wide range of storage devices and outlet configurations. There are even a number of built-in SuDS/LIDs devices available to select from		
19		Anonymous Attendee		24.06.2026 13:25:34	