

Hydroinformatics Conference (HIC 2018) Training Workshop: FLO-2D Urban Modeling and QGIS Plug-in Tool

A four hour training workshop is proposed for the 2018 Hydroinformatics Conference (HIC 2018) in Palermo that will focus on urban flood modeling with the FLO-2D model. Simulating urban flooding with a storm drain system requires an integrated exchange of water between the surface water and storm drain components on a computational timestep basis. Being a fully integrated model, it simulates the storm drain response to flooding as it occurs with local rainfall runoff. The model response to flooding provides the opportunity to test new storm drain features, mitigation schemes, flood conveyance, pumped storage, and utility infrastructure replacement.

Workshop Agenda

FLO-2D Integrated Surface Water/Storm Drain Modeling with QGIS Plug-in Tool

Duration: 4 hours
Location: HIC 2018
Palermo, Italy

Duration (min) Topic Description

5	Check-in, introductions and review agenda.
60	Overview of the FLO-2D urban model.
50	Review of a complex FLO-2D project and discussion about modeling challenges. Demonstration Session.
15	<i>Break</i>
50	Storm drain details applications, developing data files and reviewing results. Storm drain modeling project on urban environments. Demonstration Session.
60	QGIS FLO-2D Plugin. General overview of the plugin, data creation techniques and hands-on instruction.

Instructors

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