Example Models 2016

The example models have been developed to demonstrate the most common TUFLOW model design features. These models use the tutorial datasets, and it is highly recommended that new users first familiarise themselves with the basics of TUFLOW through the tutorials rather than starting with these examples. Unlike the tutorials, which progressively increase the level of complexity with each Module, the models below are standalone examples, and can be used as a reference that demonstrates various TUFLOW features for more advanced users.

Please refer to the following TUFLOW Wiki page for further information:
http://wiki.tuflow.com/index.php?title=Example_Models_Home_page

SAMPLE	DESCRIPTION	MODEL NAME	PRECEEDING COMPARISON BASE MODEL
Basic 2D Model	Write empty files	EG00_Empty_5m_000.tcf	N/A
	Basic 2D model (SI units - m)	EG00_2D_5m_001.tcf	EG00_Empty_5m_000.tcf
	Basic 2D model (USA units - ft)	EG00_2D_5m_002.tcf	EG00_2D_5m_001.tcf
Output Options	2D grid output	EG01_2D_5m_001.tcf	EG00_2D_5m_001.tcf
	2D point output	EG01_2D_5m_002.tcf	EG00_2D_5m_001.tcf
	2D region output	EG01_2D_5m_003.tcf	EG00_2D_5m_001.tcf
Boundary Condition Options	Stage discharge downstream boundary (2d_bc, HQ)	EG02_2D_5m_001.tcf	EG00_2D_5m_001.tcf
	Stage time downstream boundary (2d_bc, HT)	EG02_2D_5m_002.tcf	EG00_2D_5m_001.tcf
	Spatially varied initial water level commands (2d_iwl)	EG02_2D_5m_003.tcf	EG00_2D_5m_001.tcf
	Internal catchment rainfall (2d_sa)	EG02_2D_5m_004.tcf	EG00_2D_5m_001.tcf
	Internal catchment rainfall (2D_sa_rf)	EG02_2D_5m_005.tcf	EG00_2D_5m_001.tcf
	Direct rainfall (2D_rf)	EG02_2D_5m_006.tcf	EG00_2D_5m_001.tcf
	External and internal 1D boundaries (1d_bc)	EG02_1D2D_5m_007.tcf	EG07_1D2D_5m_002.tcf
	2D pump (2d_bc, SH)	EG02_2D_5m_008.tcf	EG00_2D_5m_001.tcf
Topography Updates	Thin breakline topography update (2d_zsh)	EG03_2D_5m_001.tcf	EG00_2D_5m_001.tcf
	Thick breakline topography update (2d_zsh)	EG03_2D_5m_002.tcf	EG00_2D_5m_001.tcf
	Gully breakline topography update (2d_zsh)	EG03_2D_5m_003.tcf	EG00_2D_5m_001.tcf
	Region topography update - No merge (2d_zsh)	EG03_2D_5m_004.tcf	EG00_2D_5m_001.tcf
	Region topography update - Merge (2d_zsh)	EG03_2D_5m_005.tcf	EG00_2D_5m_001.tcf
	Topography update - TIN (2d_zsh)	EG03_2D_5m_006.tcf	EG00_2D_5m_001.tcf
	Variable geometry (embankment breach) - Time trigger (2d_vzsh)	EG03_2D_5m_007.tcf	EG00_2D_5m_001.tcf
	Variable geometry (embankment breach) - Water level trigger (2d_vzsh)	EG03_2D_5m_008.tcf	EG00_2D_5m_001.tcf
	Variable geometry (embankment breach) - Water level difference trigger (2d_vzsh)	EG03_2D_5m_009.tcf	EG00_2D_5m_001.tcf
	Cell resolution change	EG03_2D_2.5m_010.tcf	EG00_2D_5m_001.tcf
Loss Options	Infiltration - IL/CL	EG04_2D_5m_001.tcf	EG00_2D_5m_001.tcf
	Infiltration - IL/CL	EG04_2D_5m_002.tcf	EG00_2D_5m_001.tcf
	Infiltration - IL/CL	EG04_2D_5m_003.tcf	EG00_2D_5m_001.tcf
	Infiltration - Green Ampt	EG04_2D_5m_004.tcf	EG00_2D_5m_001.tcf
	Infiltration - Green Ampt	EG04_2D_5m_005.tcf	EG00_2D_5m_001.tcf
	Infiltration - Green Ampt	EG04_2D_5m_006.tcf	EG00_2D_5m_001.tcf
	Infiltration - Horton	EG04_2D_5m_007.tcf	EG00_2D_5m_001.tcf
	Infiltration - Horton	EG04_2D_5m_008.tcf	EG00_2D_5m_001.tcf
	Infiltration - Horton	EG04_2D_5m_009.tcf	EG00_2D_5m_001.tcf
	Loss - IL/CL (Direct rainfall)	EG04_2D_5m_010.tcf	EG00_2D_5m_001.tcf
Scenario/Event Management	Scenario (single)	EG05_2D_5m_~s2~_002.tcf	EG00_2D_5m_001.tcf
	Scenario (multiple)	EG05_2D_~s1~_~s2~_002.tcf	EG05_2D_~s1~_001.tcf
	Set Variable	EG05_2D_~s1~_~s2~_003.tcf	EG05_2D_~s1~_~s2~_002.tcf
	Event (single)	EG05_2D_~e1~_004.tcf	EG00_2D_5m_001.tcf
	Event (multiple)	EG05_2D_~e1~_~e2~_005.tcf	EG05_2D_~e1~_004.tcf
	Scenario (multiple), Event (multiple), Set Variable	EG05_2D_~s1~_~s2~_~e1~_~e2~_006.tcf	EG05_2D_~e1~_~e2~_005.tcf
Bridges	Bridge (2d_fc)	EG06_2D_5m_001.tcf	EG00_2D_5m_001.tcf
	Bridge (2d_fcsh)	EG06_2D_5m_002.tcf	EG00_2D_5m_001.tcf
	Bridge (2d_lfcsh)	EG06_2D_5m_003.tcf	EG00_2D_5m_001.tcf
	Bridge (1D)	EG06_1D2D_5m_004.tcf	EG00_2D_5m_001.tcf
1D/2D Modeling	1D culverts: multidirectional and flap gated (1d_nwk)	EG07_1D2D_5m_001.tcf	EG02_2D_5m_004.tcf
	1D river (1d_nwk)	EG07_1D2D_5m_002.tcf	EG00_2D_5m_001.tcf
	1D pipe network (1d_nwk), inflow to pits (1D)	EG07_1D2D_5m_003.tcf	EG03_2D_5m_006.tcf
	1D pipe network (1d_nwk), direct rainfall inflow (2D)	EG07_1D2D_5m_004.tcf	EG03_2D_5m_006.tcf
1D Operating Structures	Operation controls: Pump (1d_nwk)	EG08_1D2D_5m_001.tcf	EG07_1D2D_5m_001.tcf
	Operation controls: Sluice Gate (1d_nwk)	EG08_1D2D_5m_002.tcf	EG07_1D2D_5m_001.tcf
2D/2D Modeling	2D/2D model	EG09_2D2D_001.tcf	EG00_2D_5m_001.tcf
	2D/2D model (Domain boundary traversing an embankment)	EG09_2D2D_002.tcf	EG09_2D2D_001.tcf
	2D/2D floodplain, 1D river	EG09_2D2D_003.tcf	EG09_2D2D_001.tcf
2D GPU	2D GPU with grid output, stage discharge downstream boundary	EG10_2D_5m_001.tcf	EG01_2D_5m_001.tcf
	2D GPU with grid output, stage time downstream boundary	EG10_2D_5m_002.tcf	EG10_2D_5m_001.tcf