

waterRIDE Training – Working With Model Data

Time	Description
09:00	Introduction
09:05	<p><i>[Import] –Bringing in model results</i></p> <p><i>Convert</i></p> <ul style="list-style-type: none"> • Basic conversion (2D results) <ul style="list-style-type: none"> ○ TUFLOW ○ MIKE21 ○ InfoWorks ○ GIS grid results • Advanced conversion <ul style="list-style-type: none"> ○ Coupled models ○ Composite layers ○ Batch conversion • Piped flows <ul style="list-style-type: none"> ○ Conversion ○ Interrogation ○ Linking to surface water • Optimising layers – pyramids • Hazards management • Time series vs Peaks • Importing 1D results overview <p><i>Cleaning</i></p> <ul style="list-style-type: none"> • Cleaning results (direct rainfall and classic models) <ul style="list-style-type: none"> ○ Hydraulic criteria ○ Filtering vs cleaning ○ Puddle removal <p><i>Refining Model Results</i></p> <ul style="list-style-type: none"> • Enhancing model results: <ul style="list-style-type: none"> ○ Draping onto finer scale DEM's ○ Clipping vs nullify <p><i>Change/Edit/Repair</i></p> <ul style="list-style-type: none"> • Adjusting surface values • Clip/Nullify
10:30	BREAK

<p>10:45</p>	<p><i>[Process] – Merging model results</i></p> <ul style="list-style-type: none"> • Merging multiple catchment results <ul style="list-style-type: none"> ○ “Hard merging” <ul style="list-style-type: none"> ▪ Clipping zones ▪ Draping to common framework ○ “Soft Merging” • Composite layers • Enveloping multiple runs (peak of peaks) <p><i>[Import] – Working with terrain</i></p> <ul style="list-style-type: none"> • Building new DEM’s <ul style="list-style-type: none"> ○ Single source vs multi source • Editing/updating/adjusting an existing DEM • Importing external DEM’s <p><i>[Analyse] – Modellers Tools Modeller</i></p> <ul style="list-style-type: none"> • Catchment Tools <ul style="list-style-type: none"> ○ Pit removal ○ Flow path analysis ○ Catchment polygons to a point • DEM Data Extraction <ul style="list-style-type: none"> ○ X-sections ○ Stage vs storage <p><i>[Analyse] – Advanced Tools</i></p> <ul style="list-style-type: none"> • Flood planning levels <ul style="list-style-type: none"> ○ Creating an FPL ○ Stretching approaches ○ Limiting stretching • Flood damages
<p>12:45</p>	<p>FINISH</p>