



# waterRIDE™

Advanced Training – 1Day

Time	Description
09:00	Introduction
09:05	<p>[Import] –Bringing in model results</p> <p><i>Convert</i></p> <ul style="list-style-type: none"> <li>• Importing 2D results (time series and peaks) <ul style="list-style-type: none"> <li>○ Time series vs Peaks</li> <li>○ Hazards management</li> <li>○ Cleaning results (direct rainfall and classic models)</li> <li>○ Composite layers</li> </ul> </li> <li>• Importing 1D results overview</li> </ul> <p><i>Refine</i></p> <ul style="list-style-type: none"> <li>• Enhancing model results: <ul style="list-style-type: none"> <li>○ Draping onto finer scale DEM's</li> <li>○ Clipping vs nullify</li> </ul> </li> </ul> <p><i>Change/Edit/Repair</i></p> <ul style="list-style-type: none"> <li>• Adjusting surface values</li> <li>• Clip/Nullify</li> </ul> <p>[Process] - <i>Merge</i></p> <ul style="list-style-type: none"> <li>• Merging multiple catchment results <ul style="list-style-type: none"> <li>○ Managing overlap</li> <li>○ Peak of peaks</li> <li>○ Clipping zones</li> </ul> </li> </ul>
10:45	MORNING TEA
11:05	<p>Interface Configuration Options</p> <p>[Setup] - Advanced Project Building</p> <ul style="list-style-type: none"> <li>• Bulk view editing</li> <li>• Building projects using templates</li> <li>• Configuring searching: address servers and searchboxes</li> </ul> <p>Project Optimisation and Performance</p> <ul style="list-style-type: none"> <li>• Surface pyramids and infinite grid</li> <li>• Network vs Local vs Cloud dataset storage</li> <li>• Physical storage devices (hard drive, NAS, SSD's)</li> <li>• Storage space management</li> <li>• Image overviews</li> </ul> <p>[Enterprise Configuration]</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• INI file + permissions</li> <li>• Central projects list</li> <li>• User permissions</li> </ul>



	<ul style="list-style-type: none"> <li>• Application defaults</li> </ul> <p>[Interrogate] - Advanced Interrogation</p> <ul style="list-style-type: none"> <li>• Using external GIS layers</li> <li>• Keyboard shortcuts</li> <li>• FASTBAR – surface + toggling</li> <li>• Mannings calculator</li> <li>• Volume calculations</li> <li>• Report Figures</li> </ul>
<b>12:40</b>	LUNCH
<b>13:10</b>	<p>[GIS] - Working with GIS Layers</p> <p><i>Drawing/Editing</i></p> <ul style="list-style-type: none"> <li>• Drawing/editing new and existing layers</li> <li>• Saving and undo</li> </ul> <p><i>Setup</i></p> <ul style="list-style-type: none"> <li>• Creating</li> <li>• Importing external data (CSV, GPS tagged photos)</li> <li>• Working with database vectors</li> <li>• Working with internet based imagery (WMS)</li> </ul> <p><i>Tools</i></p> <ul style="list-style-type: none"> <li>• Adjusting field values</li> <li>• Rasterising vector layers</li> </ul> <p>[Analyse] - Advanced Analysis</p> <p><i>Intelligence</i></p> <ul style="list-style-type: none"> <li>• GIS Intelligence</li> <li>• Specific layer processing <ul style="list-style-type: none"> <li>○ Evacuation route low point identification</li> <li>○ Property maximum flood level location</li> </ul> </li> <li>• Linking properties to gauge levels</li> <li>• Rate of Rise</li> </ul>
<b>14:40</b>	AFTERNOON TEA
<b>15:00</b>	<p>[Analyse] - Advanced Analysis – cont'd</p> <p><i>Multiple Surfaces</i></p> <ul style="list-style-type: none"> <li>• Statistical surface analysis</li> <li>• Difference mapping</li> </ul> <p><i>Intelligence</i></p> <ul style="list-style-type: none"> <li>• Vulnerability - ARI of inundation</li> </ul> <p><i>Planning</i></p> <ul style="list-style-type: none"> <li>• Flood planning surfaces <ul style="list-style-type: none"> <li>○ Creation</li> <li>○ Conditional stretching techniques</li> </ul> </li> <li>• Property tagging</li> </ul> <p><i>Flood Damages</i></p> <ul style="list-style-type: none"> <li>• Flood damages calculations</li> </ul>



<p><b>16:30</b></p>	<p>[Import] – Working with terrain  <i>Terrain</i></p> <ul style="list-style-type: none"> <li>• Building new DEM's <ul style="list-style-type: none"> <li>○ Single source vs multi source</li> </ul> </li> <li>• Editing/updating/adjusting an existing DEM</li> <li>• Importing external DEM's</li> </ul> <p>[Analyse] – Modellers Tools  <i>Modeller</i></p> <ul style="list-style-type: none"> <li>• Catchment Tools <ul style="list-style-type: none"> <li>○ Pit removal</li> <li>○ Watershed and catchment area (discussion)</li> </ul> </li> <li>• DEM Data Extraction <ul style="list-style-type: none"> <li>○ X-sections</li> <li>○ Stage vs storage</li> </ul> </li> </ul>
<p><b>17:00</b></p>	<p><i>FINISH</i></p>

