

<b>WP No.</b> WP 5.2	<b>WP Leader</b> Colin Thorne
<b>WP Title</b> Source-Pathway-Receptor modelling of sediment yields and downstream morphological responses to changes in climate and land use: upland catchments	
<b>Description of data generated with FRMRC funding (web link will be inserted for each data set if appropriate)</b>  Data from Pontbren Experimental Catchment: <ul style="list-style-type: none"> <li>- Time-integrated bedload yields from 6 headwater stream sites</li> <li>- Time-integrated bedload particle size data from 6 headwater stream sites</li> <li>- Continuous (15 min) suspended sediment yield data from 2 headwater stream sites</li> <li>- Bank erosion/sediment supply data from 24 headwater stream sites</li> <li>- Bank material size data from 24 headwater stream sites</li> <li>- Continuous (10 min) suspended sediment yield data from experimental hillslope site (1 surface source record, 1 subsurface field drain record)</li> <li>- Bed material size data (throughout catchment)</li> <li>- Topographic survey (cross-sections &amp; long-profile) of Nant Pen-y-cwm/Nant Pont-bren-down</li> </ul> Contact: Alex Henshaw (a.henshaw@qmul.ac.uk)	
<b>Supporting data sets owned by others</b> <b>Web links or contact details to be inserted to allow others to seek permission to access third party data sets.</b> <ul style="list-style-type: none"> <li>- 30-year hourly rainfall scenarios for catchment under different climate change projections generated using UKCP09 Weather Generator software (<a href="http://ukclimateprojections-ui.defra.gov.uk/ui/admin/login.php">http://ukclimateprojections-ui.defra.gov.uk/ui/admin/login.php</a>)</li> <li>- Historical precipitation data from UK Met Office/British Atmospheric Data Centre (<a href="http://badc.nerc.ac.uk/home/index.html">http://badc.nerc.ac.uk/home/index.html</a>)</li> <li>- Historical land use data (Land Utilisation Survey of GB) from Historic Digimap (<a href="http://edina.ac.uk/digimap/description/historic_overview.shtml">http://edina.ac.uk/digimap/description/historic_overview.shtml</a>), CCW (<a href="http://www.ccw.gov.uk/?lang=en">http://www.ccw.gov.uk/?lang=en</a>) and CEH (<a href="http://www.ceh.ac.uk/sci_programmes/BioGeoChem/LandCoverMap2000.html">http://www.ceh.ac.uk/sci_programmes/BioGeoChem/LandCoverMap2000.html</a>)</li> <li>- Topographic data from NEXTMap (<a href="http://www2.getmapping.com/Products/NEXTMap">http://www2.getmapping.com/Products/NEXTMap</a>) and Digimap/Ordnance Survey (<a href="http://edina.ac.uk/digimap/">http://edina.ac.uk/digimap/</a>)</li> </ul>	
<b>Barriers to making data freely available after project.</b>  Researchers still actively working on analysis of primary data sets	