

Project 23 - Weather Data Assessment

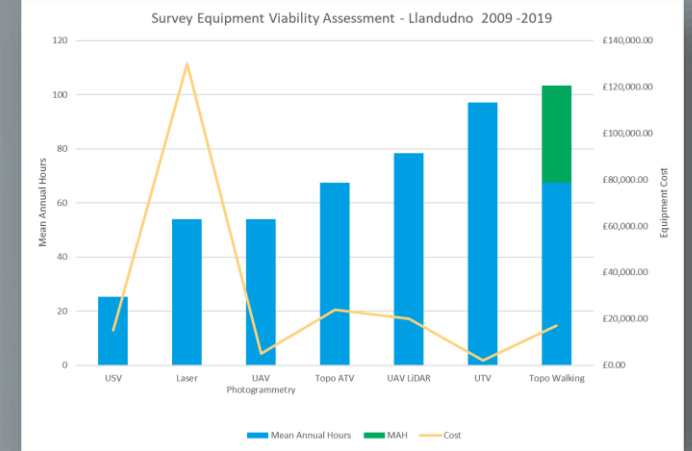
Overview – The many technologies available for surveying have varying environmental vulnerabilities such as darkness, wind speed, rain and fog. Coastal survey operational time windows are very limited by tides for accessing intertidal areas. We wanted to know, using historic meteorological/tide data; How many operational hours could we expect in a year for each type of survey equipment?

Aims - To create a universal tool to determine the most reliable survey technique for any location by assessing the historic meteorological and tidal conditions

Who/Collaboration – WCMC, GEOM, ERDF

Results – On average, In Llandudno an autonomous rover (UTV), has the greatest overall operational time without entering water. However, factoring in that an extra 20cm of data can be collected by Topo Walking whilst in water. The results show Topo walking to have the greatest operational time

Further analysis due August 2021



GEOM
Ddata Daearyddol ac Arsyllu'r Ddaear ar gyfer Monitro
Geographic Data & Earth Observation for Monitoring



geomwales.org
ERDF