

PROJECT SUMMARY

WAVES ACROSS SHORE PLATFORMS

Funding: Engineering and Physical Sciences Research Council

Grant Holder: Prof. Gerd Masselink (Plymouth University), Dr Martin Austin (Bangor University)

Project Dates: October 2014 - October 2016

Scope of Work:

Multi-agency grant working with Bangor University (Wales), University of Auckland (New Zealand) and Deltares (Holland). Investigating the transformation of waves across rocky intertidal platforms.



Project Description

The WASP project aims to capture a unique dataset of detailed wave measurements across a range of rocky platforms around the UK coastline. Using the latest wave sensors, digital video and laser scanners the project will map the decay in wave energy across intertidal rocky platforms. These measurements will be used to improve existing models which aim to provide a predictive tool for examining wave energy reaching our coastline which can cause erosion and cliff falls.

Above: Intertidal platform in S.Wales (top);
Instrument surveys at Hartland Quay N. Devon
(bottom).

Right: Rectified time-averaged video image of
wave breaking (left panel), cross-shore wave
height distribution (top right panel) and wave
height distribution over a single tide (yellow=
larger waves; bottom right panel).

**COASTAL
RESEARCH
WITH
PLYMOUTH
UNIVERSITY**

