



# Gorffennol Digidol Digital Past - 2021

## LIDAR APPLICATIONS FOR PUBLIC ENGAGEMENT, LANDSCAPE RESEARCH AND CONSERVATION IN THE CARNEDDAU, NORTHERN SNOWDONIA

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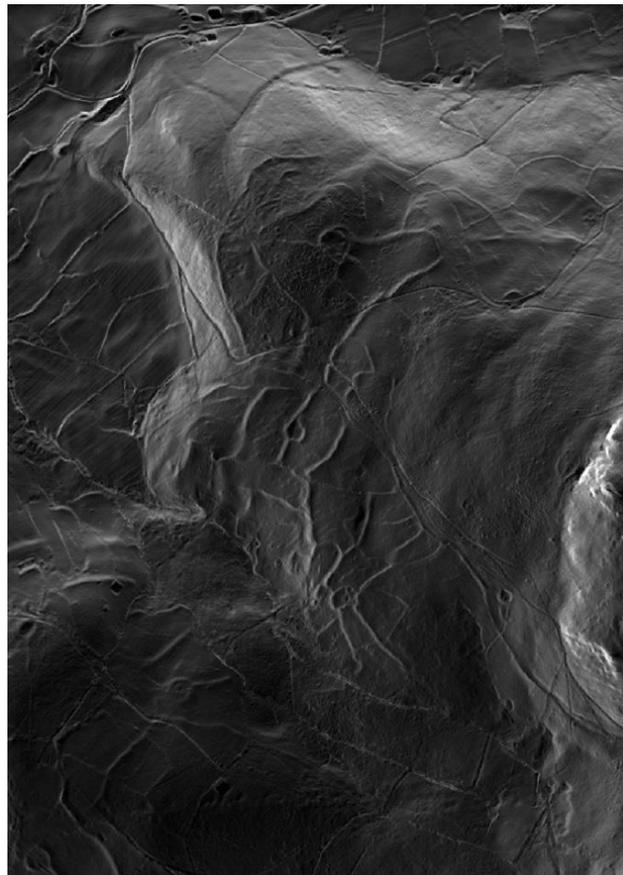


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The Carneddau is an upland massif of around 200 sq km in northern Snowdonia. Agricultural, ecological, environmental and leisure interests are finely balanced and sometimes conflicting. A sizeable population lives around the fringes of the area.

In 2019 a partnership of 23 organisations led by the Snowdonia National Park Authority (SNPA) was awarded a £1.72M National Lottery Heritage Fund (NLHF) landscape partnership grant. The five-year Carneddau Landscape Partnership Scheme will promote a more resilient future for the Carneddau by increasing understanding of its archaeology, cultural traditions and wildlife, improving public participation and instigating conservation work.

A high resolution LiDAR survey, funded by the Welsh Government and the NLHF, has been carried out to support these activities. Its applications will be discussed. Preliminary results will be presented in combination with recent lidar-based doctoral research carried out in collaboration between SNPA and the University of Sheffield. This has highlighted the importance of the exceptionally well-preserved complexes of prehistoric and Roman period settlements and associated fields on the flanks of the Carneddau. Better knowledge of the distribution, origin and condition of ancient fields is will help inform and improve their management and has wider relevance to similar landscapes in other areas.

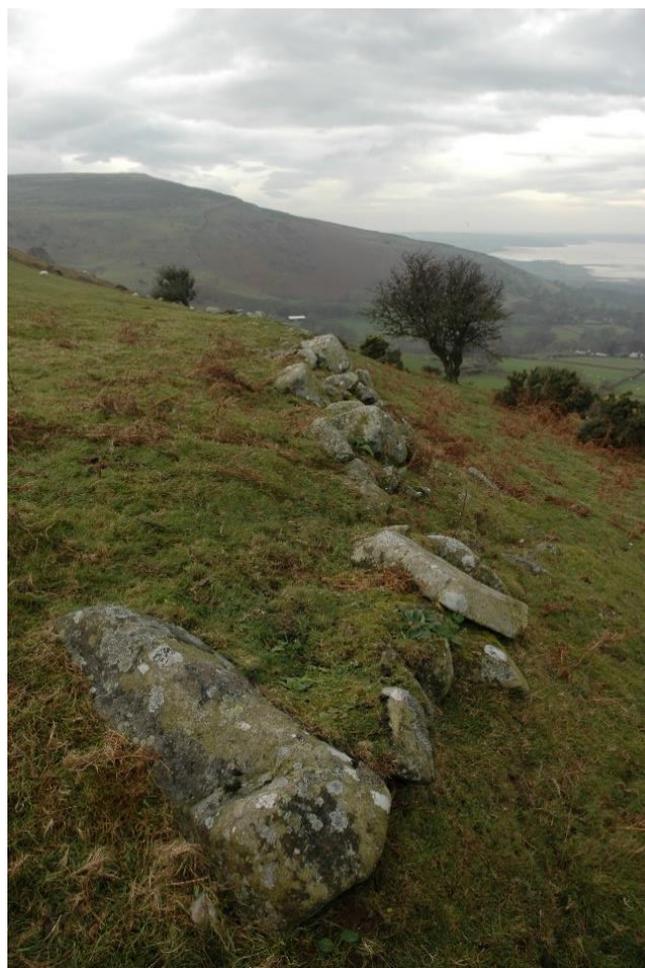


Image 2. © Emily La Trobe-Bateman

## Biography

ELTB: Following work on urban surveys in south west England Emily has been involved in the archaeology of north west Wales for over twenty years, initially as a senior curator and latterly as a PhD student at the University of Sheffield.

BJ: Bob is a Senior Lecturer in Landscape Archaeology at the University of Sheffield. He has a long standing interest and involvement in the later prehistory of north west Wales. He currently researches prehistoric landscape transformations in western Britain.

JGR: John has been the Snowdonia National Park Archaeologist since 2007. He was on secondment to the Carneddau Landscape Partnership scheme as development phase manager between 2017 and 2019.