



# Gorffennol Digidol Digital Past - 2020

## DRONING ON

A practical introduction to drones and archaeology

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Unmanned Aerial Vehicles (UAVs) or drones have revolutionised archaeological survey, low-level aerial photography and video. When used safely they represent a powerful and cost-effective addition to the surveyor's 'tool kit'. Recognition of the mass appeal of drones has led to a tightening of regulations but many organisations are also looking to buy their own drones and train staff to operate them.

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Mae'r ddogfen hon hefyd ar gael yn y Gymraeg | This document is also available in Welsh.

This workshop will introduce the basics of drones, with two CAA-qualified drone pilots from the Ireland-Wales CHERISH Project. It is intended for those who are thinking about buying one, are currently being trained to fly one, or those who are just curious to learn more.

The workshop will introduce the equipment required to carry out detailed aerial photogrammetric surveys and take delegates through some of the paperwork and procedures required before take-off including an Operations Manual, insurance, the 'drone code' and accredited training for safe aerial work. If weather permits, we will demonstrate a simple survey flight outdoors using the DJI GroundStation app before returning to the workshop area to show the basics of how images can be processed to produce 3D models, and some of the post-flight tasks required.

We hope to be joined by CHERISH Project partners from the Geological Survey of Ireland, in which case a fixed-wing drone capability can also be discussed.

## Biography

Daniel Hunt worked for several commercial archaeological units and trained with Historic England before joining the CHERISH team at RCAHMW in 2017 as an Investigator. Dan has led the development of UAV survey for CHERISH as Chief Pilot, supervising the production of photogrammetric models. He is also skilled in analytical earthwork survey and terrestrial laser scanning.

Dr Toby Driver is the Senior Investigator (Aerial Survey) at the Royal Commission, where he has managed the Wales-wide reconnaissance programme for two decades and is an investigator on the Ireland-Wales CHERISH project. He qualified as a drone pilot in 2019.



# CHERISH

*Newid Hinsawdd a Threftadaeth yr Arfordir*  
*Climate Change and Coastal Heritage*  
*Athrú Aeráide agus Oidhrecht Chultúrtha*

