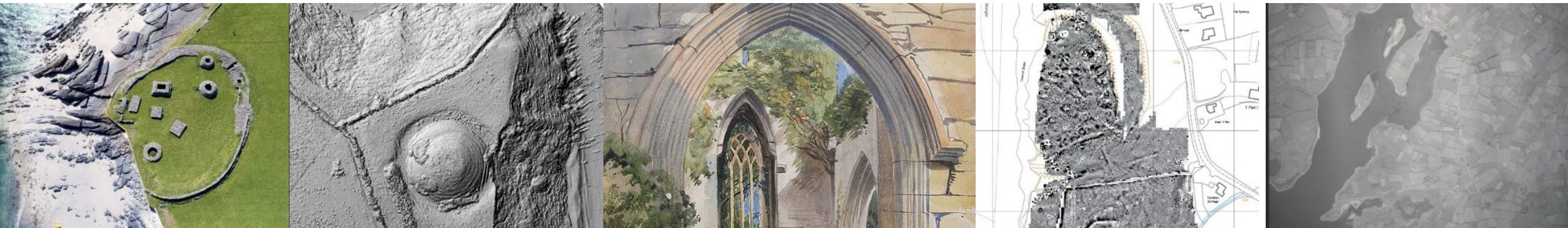




The Discovery  
Programme  
Centre for Archaeology  
and Innovation Ireland

# Examples of Sharing Archaeology Data in Ireland



Anthony Corns  
(Technology Manager)

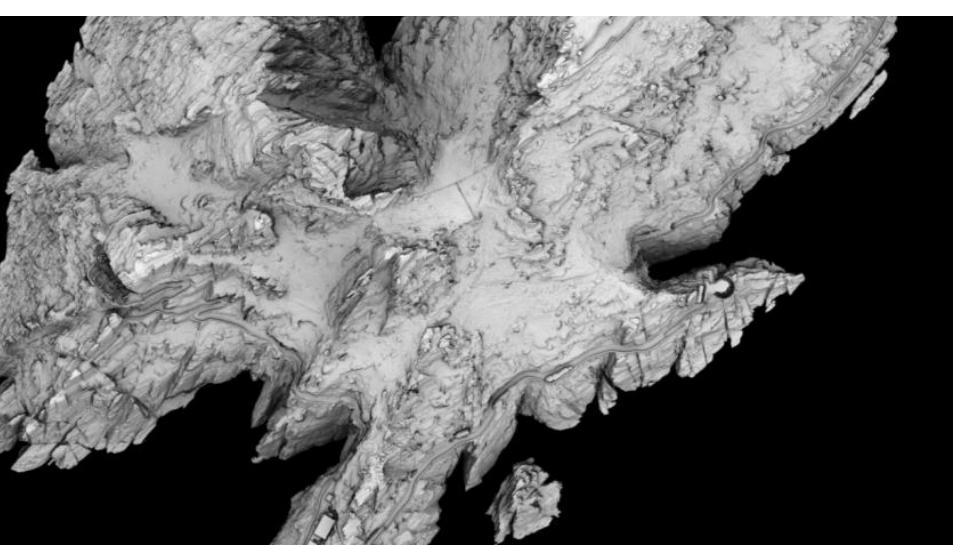
An Chomhairle Oidhreachta  
The Heritage Council



An Roinn Cultúir,  
Oidhreachta agus Gaeltachta  
Department of Culture,  
Heritage and the Gaeltacht

# Mission

- Carry out **advanced interdisciplinary archaeological research using innovative technologies and scientific methods**
- **Communicate** the results and value of our activities to both the **research community and general public**
- Develop and promote the use of **applied technologies** within archaeology
- Provide **strategic infrastructure and services** to improve the management of Ireland's archaeological and related cultural heritage resources



# Projects Supporting Archaeological Data Integration



2008 - Spatial Heritage & Archaeology  
Research Environment I.T.



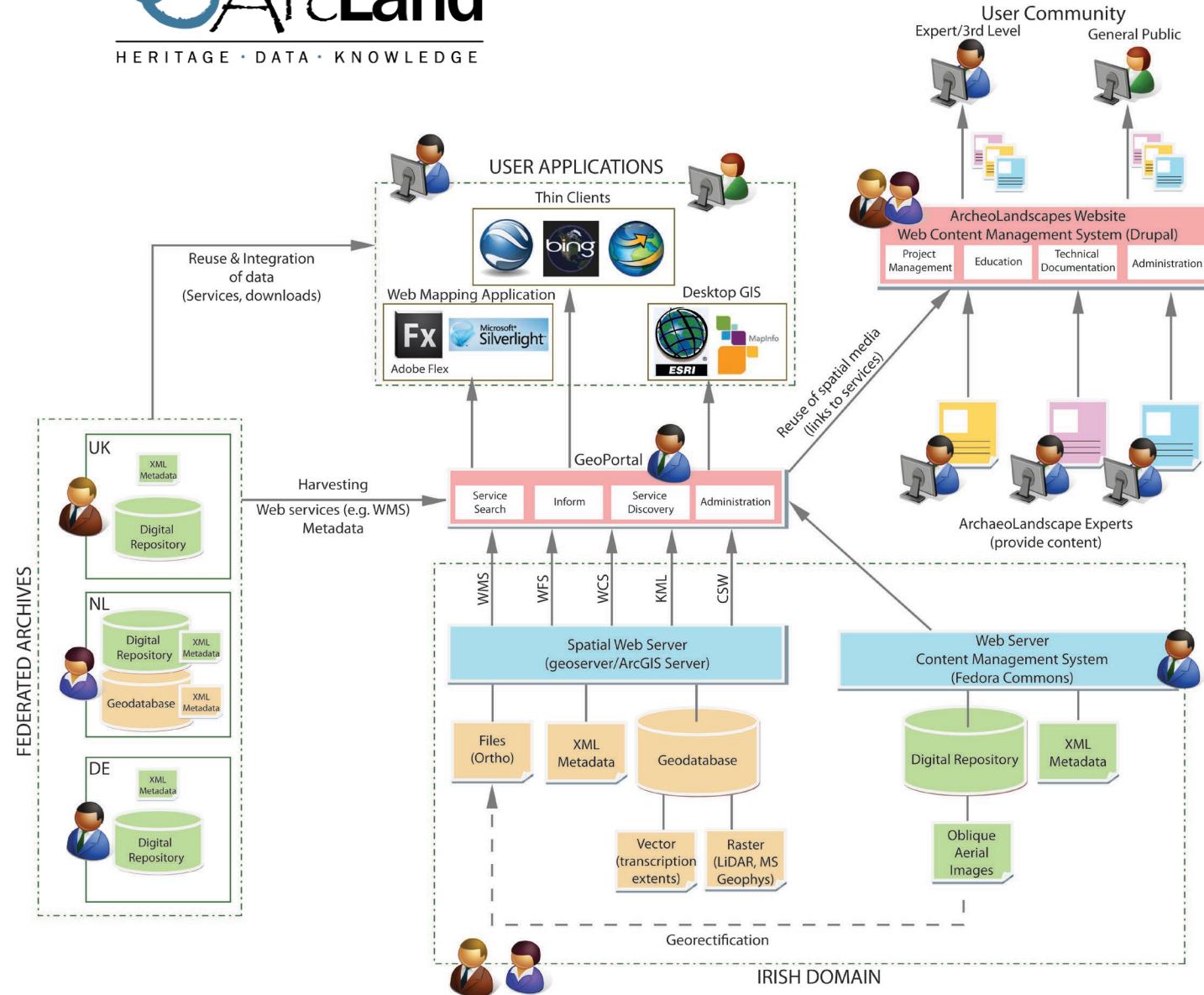
2010 - 2015 – ArchaeoLandscapes Europe



2013 - 2017 – ARIADNE Project



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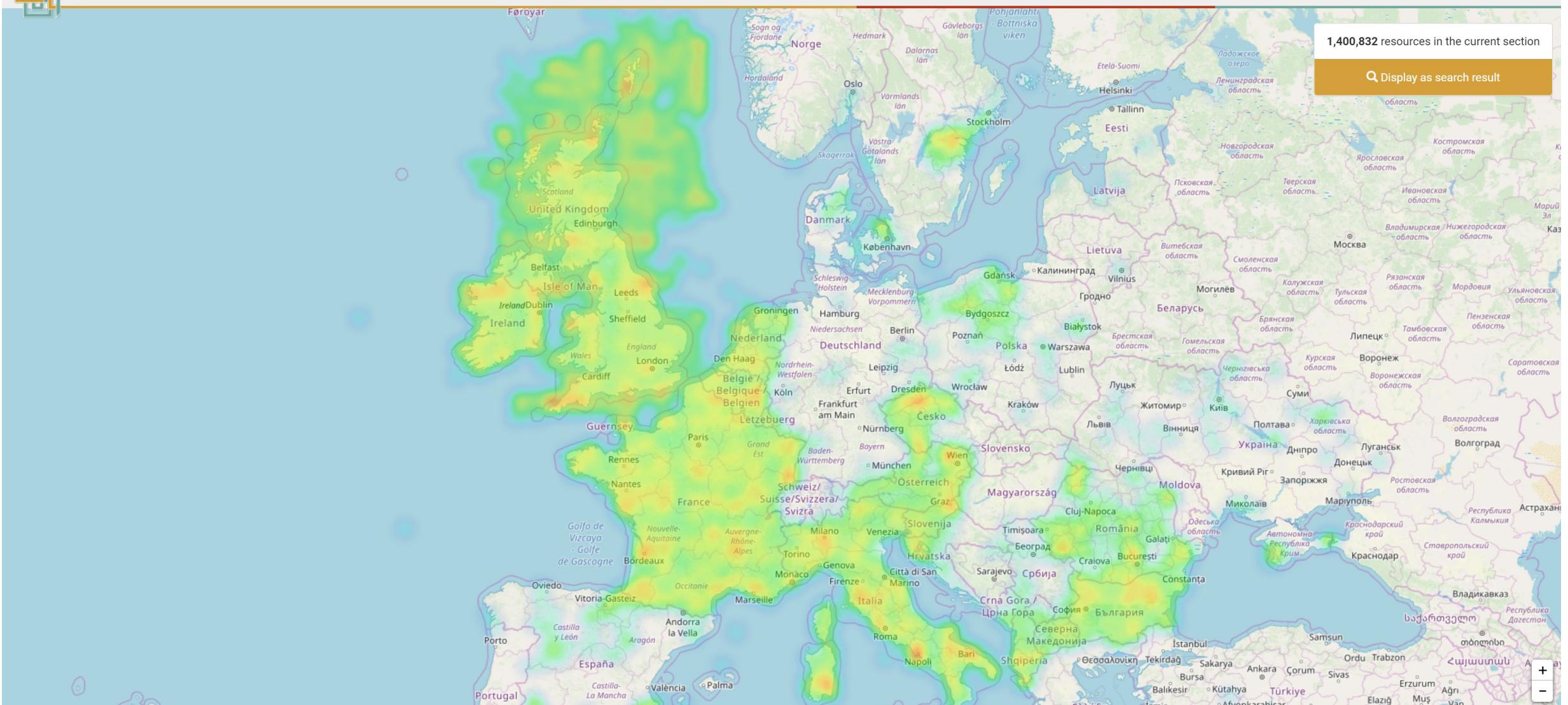
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1,400,832 resources in the current section

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## Ringfort - rath - LISANNY [CV030-026----

[Access resource on the web](#)

National Monuments Service - Archaeological Survey of Ireland

LISANNY

### Metadata

<b>ARIADNE ID</b>	27390076
<b>Original ID</b>	CV030-026----
<b>Language</b>	English
<b>Resource type</b>	Sites and monuments databases or inventories
<b>Original Subject</b>	Ringfort - rath
<b>Keyword</b>	Ringfort - rath
<b>Place</b>	LISANNY [-7.49508, 53.8781]
<b>Type</b>	Dataset
<b>Publisher</b>	Department of Arts, Heritage and the Gaeltacht, Ireland [Organisation]
<b>Issued</b>	2016-06-24
<b>Modified</b>	2016-06-24

### Responsible persons and organisations

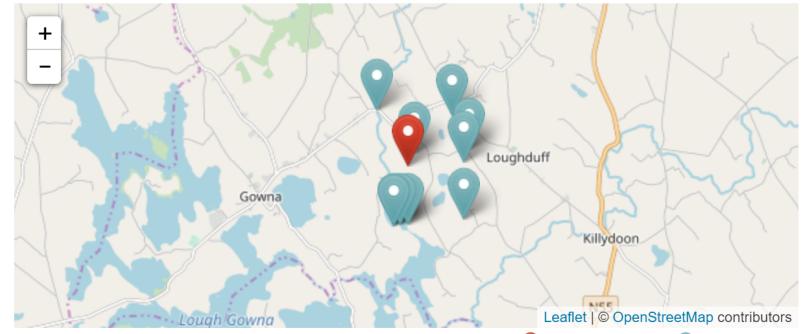
<b>Creator</b>	National Monuments Service, Department of Arts, Heritage and the Gaeltacht, Ireland [Person]
<b>Owner</b>	Department of Arts, Heritage and the Gaeltacht, Ireland [Organisation]
<b>Legal responsible</b>	Department of Arts, Heritage and the Gaeltacht, Ireland [Organisation]
<b>Scientific responsible</b>	[Person]
<b>Technical responsible</b>	Paul Walsh [Person]
<b>Accrual Periodicity</b>	irregular
<b>Identifier</b>	<a href="http://registry.riadne-infrastructure.eu/dataset/27390076">http://registry.riadne-infrastructure.eu/dataset/27390076</a>
<b>Package ID</b>	4992
<b>Provider ID</b>	20

### License information

### Resource is part of

Archaeological Survey of Ireland

### Geographically similar



### Thematically similar

- [Ringfort - rath - KILLEGLAND \[ME045-003----](#)
- [Ringfort - rath - GAULSTOWN \[ME044-026----](#)
- [Ringfort - rath - BOOLIES \(Dunboyne By.\) \[ME045-024----](#)
- [Ringfort - rath - RODANSTOWN \[ME049-019----](#)
- [Ringfort - rath - POLLACAPPUL \(Costello By.\) \[MA103-034----](#)
- [Ringfort - rath - BALLYGLASS LOWER \[MA103-032----](#)
- [Ringfort - rath - TOGHER \(Kilmaine By.\) \[MA110-010----](#)

Archaeological excavation report,  
E2846 Ardan 2, County Offaly.



archaeology | dating (measuring) | Archaeological excavation report

 Text

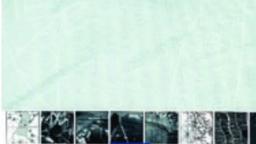
Archaeological excavation report,  
E2848 Screggan, County Offaly.



archaeology | dating (measuring) | Archaeological excavation report

 Text

Archaeological excavation report,  
E2493 Ballynasrah, County Offaly.



archaeology | dating (measuring) | Archaeological excavation report

 Text

Archaeological excavation report,  
E2493 Ballard, County Offaly.



archaeology | dating (measuring) | Archaeological excavation report

Archaeological excavation report,  
E2493 Ardan 3, County Offaly.



archaeology | dating (measuring) | Archaeological excavation report

Archaeological excavation report,  
E2844 Mucklagh 2, County Offaly.



archaeology | dating (measuring) | Archaeological excavation report

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## Dublin Core Metadata

Duffy, Odhran

**Subject**

archaeology

**Subject**

dating (measuring)

**Subject**

archaeological excavation report

**Subject**

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**Subject**

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**Subject**

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**Description** Download as XML

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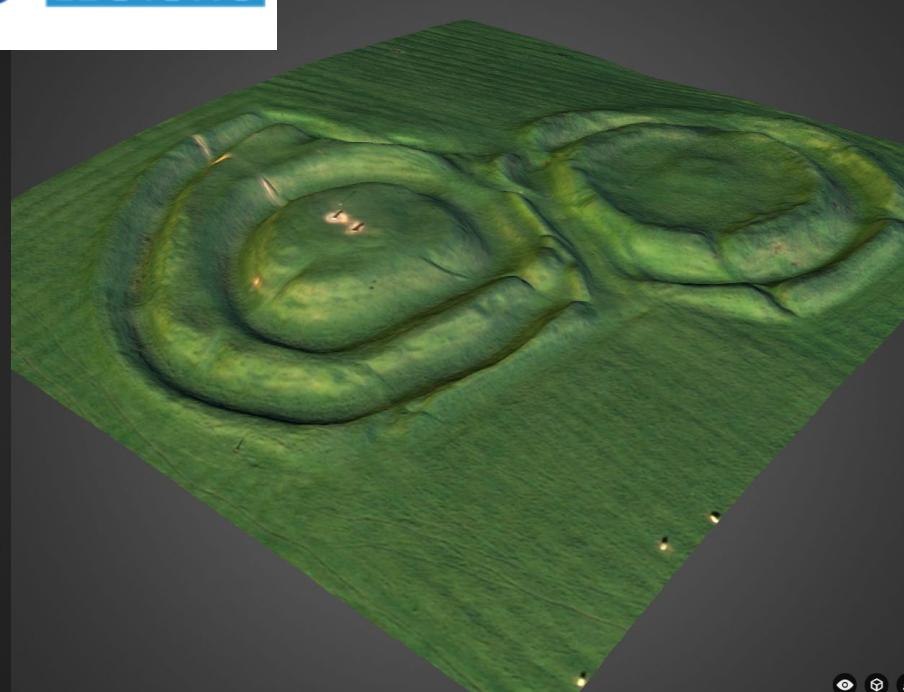
SAVE VIEW

SAVE VIEW



SAVE VIEW

SAVE VIEW



Discover  
ramme  
or Irish  
ological Research

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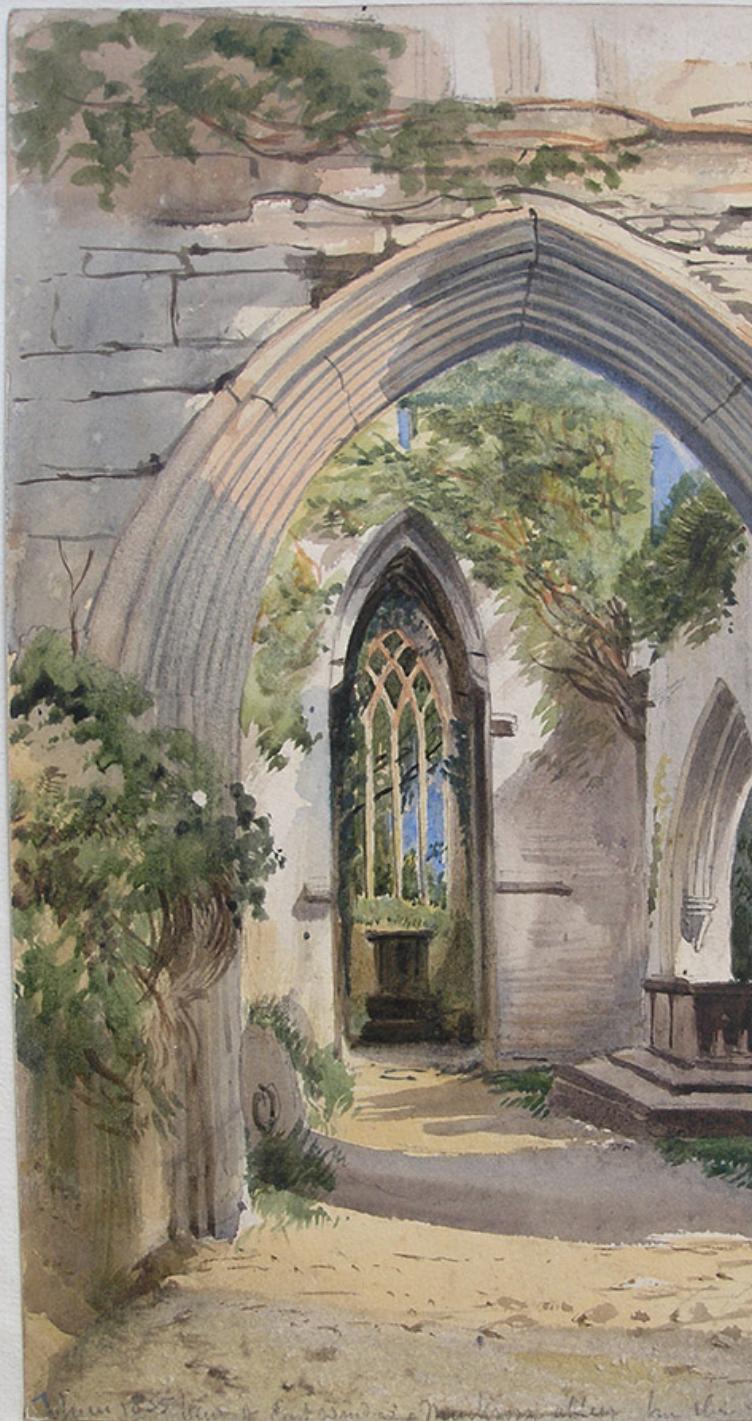
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RS&I

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# Leo Swan Aerial Photographic Archive



museum  
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Ard-Mhúsaem na hÉireann

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## Browse Items (6699 total)



[Oblique aerial photograph taken by Leo Swan of Durrow Demesne, County Offaly.](#)

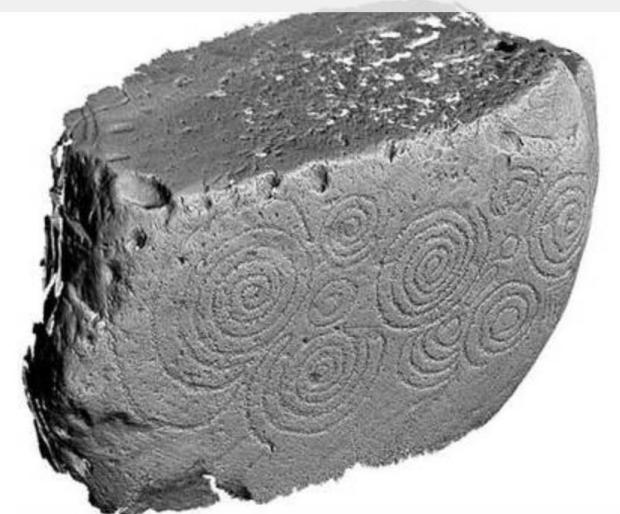


[Oblique aerial photograph taken by Leo Swan.](#)



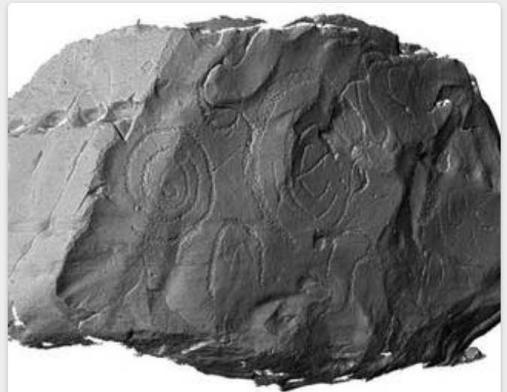
[Oblique aerial photograph taken by Leo Swan.](#)

The screenshot displays the LeoCloud interface, which is a web-based platform for managing and visualizing data. The main area shows a 'Metadata Sources' table with several entries, each with a 'Label' (e.g., 'Geonames', 'Wikidata', 'GeoNames'), 'Type' (e.g., 'GeoPlace', 'GeoName'), and a URL. To the right, there are three distinct windows: 1) 'Package 1025' showing statistics like 'Total Items' (20), 'Current Status' (blue), and a bar chart for 'Available metadata schemas'. 2) 'Statistics' showing a bar chart for 'GML\_DC', 'GML\_CSW', and 'wWDC'. 3) 'Completeness' showing a bar chart for 'Harvested items', 'Validated items (structural)', 'Validated items (schema)', and 'Items with validation errors'. Below these windows, there's a section titled 'Phantom micro-services' with icons for 'Geonames', 'Geonames (Normalized)', 'LoGeo', 'LoGeo (Normalized)', 'NeSI', 'Vocabulary', 'Vocabularies', and 'Back Link'.



## Kerbstone 56, Knowth (3D model)

1 of 124 surviving kerbstone located around the base of the cairn of the central megalithic passage tomb at Knowth, Brú na Bóinne. Curvilinear styles: Circles and spirals SMR No.: ME019-030001-



Kerbstone 77, Knowth (3D model)

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### Classifications

Type: 3D

Subject: Megalithic Art

Medium: Stone

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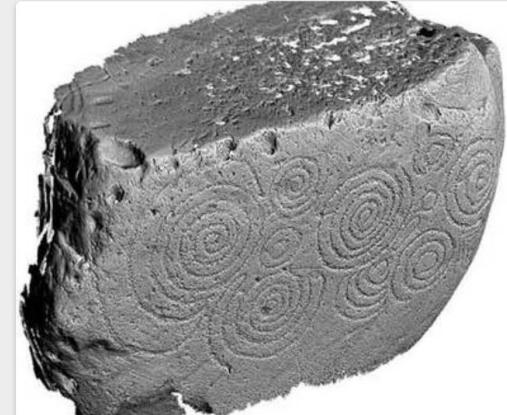


## Oblique aerial photograph taken by Leo Swan of Knowth, County Meath.

Oblique aerial photograph taken by Leo Swan of KNOWTH

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Kerbstone 56, Knowth (3D model)

Created by  
Leo Swan

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View more at The Discovery Programme

PREVIOUS ITEM



### People

Creator: [Leo Swan](#)

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Type: [image](#)

Subject: [aerial image](#), [archaeology](#)

Oblique aerial photograph taken by

# Open Topographic Viewer

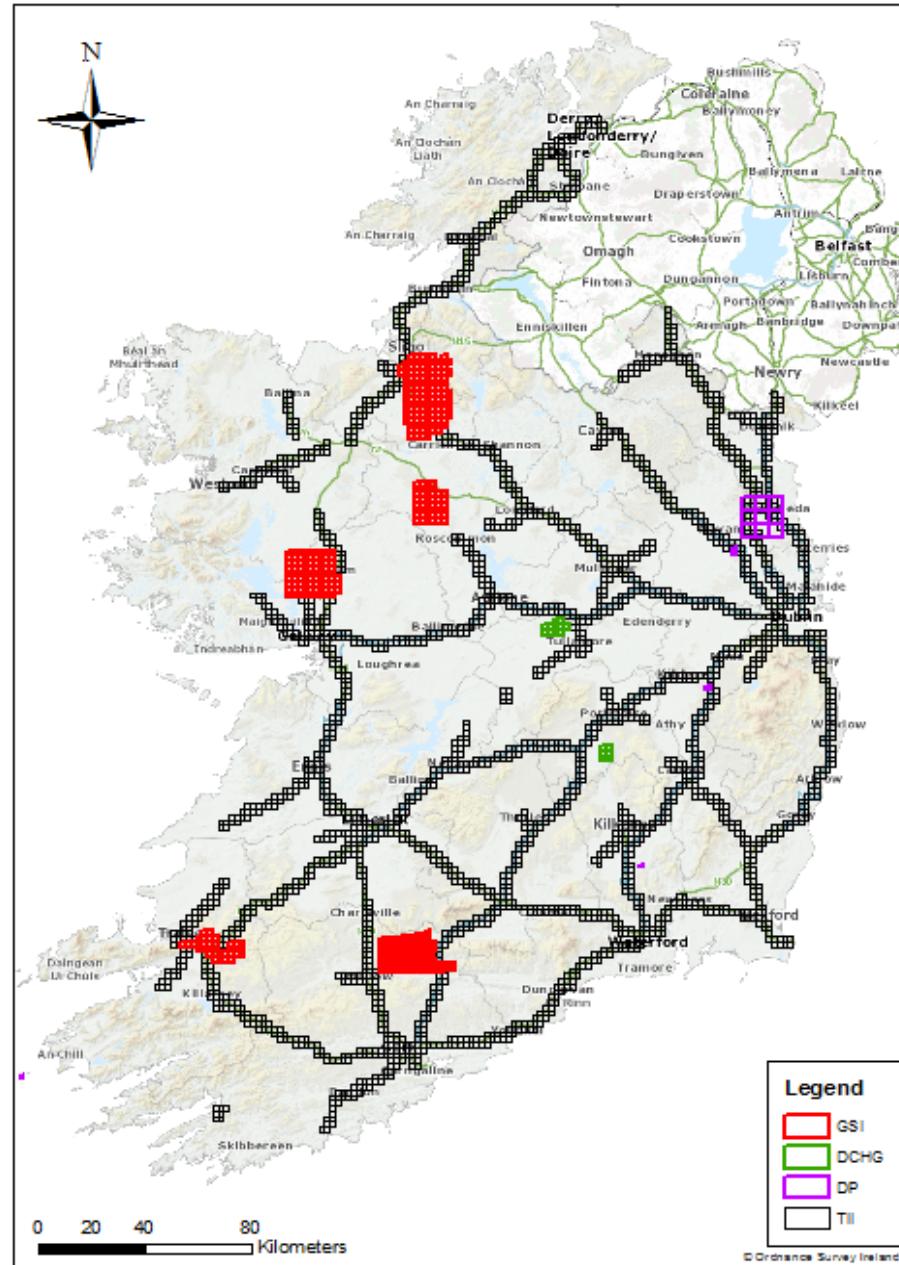
Contracts/Tenders Duplication?

Public Money

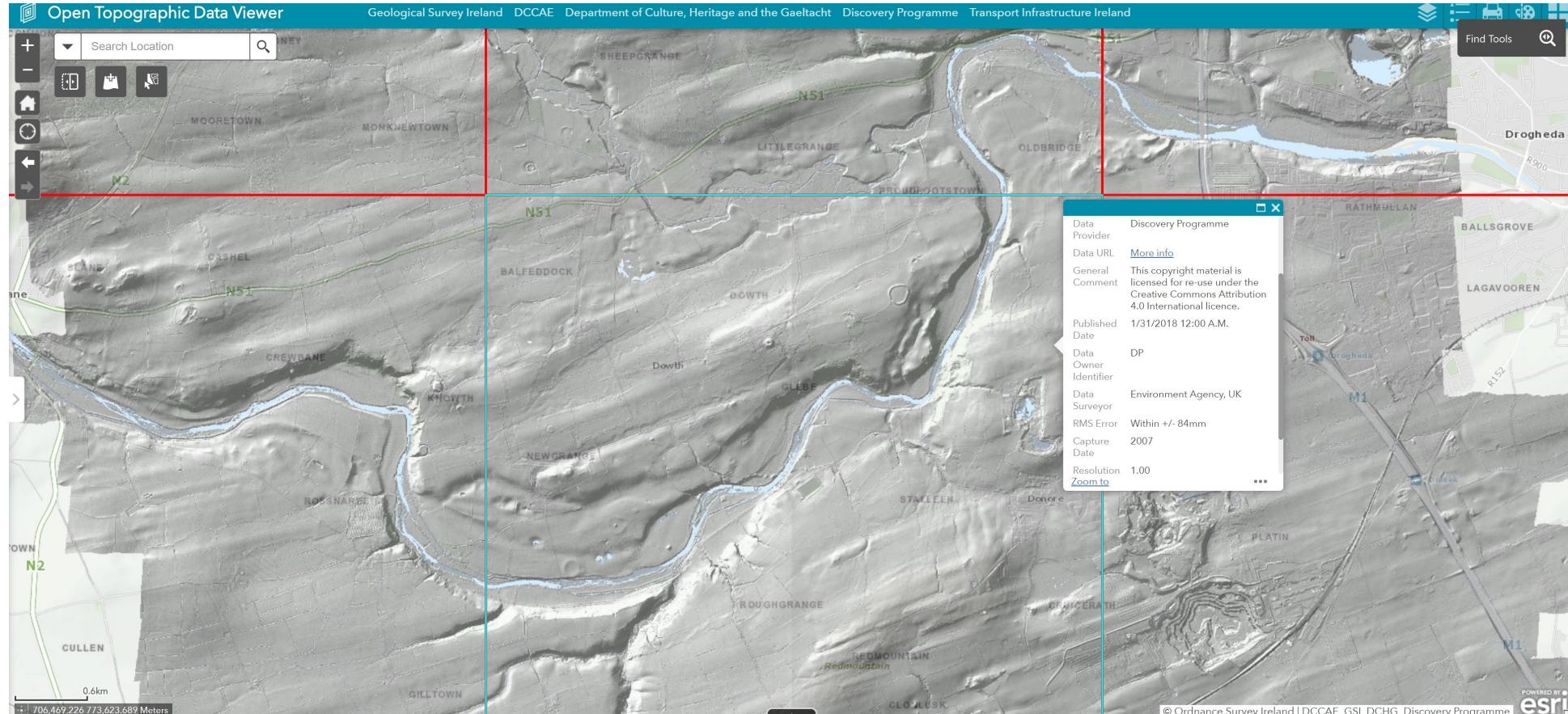
GSI/DCHG/DP/The Heritage Council



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Oidhreachta agus Gaeltachta  
Department of Culture,  
Heritage and the Gaeltacht



# Open Topographic Data Viewer





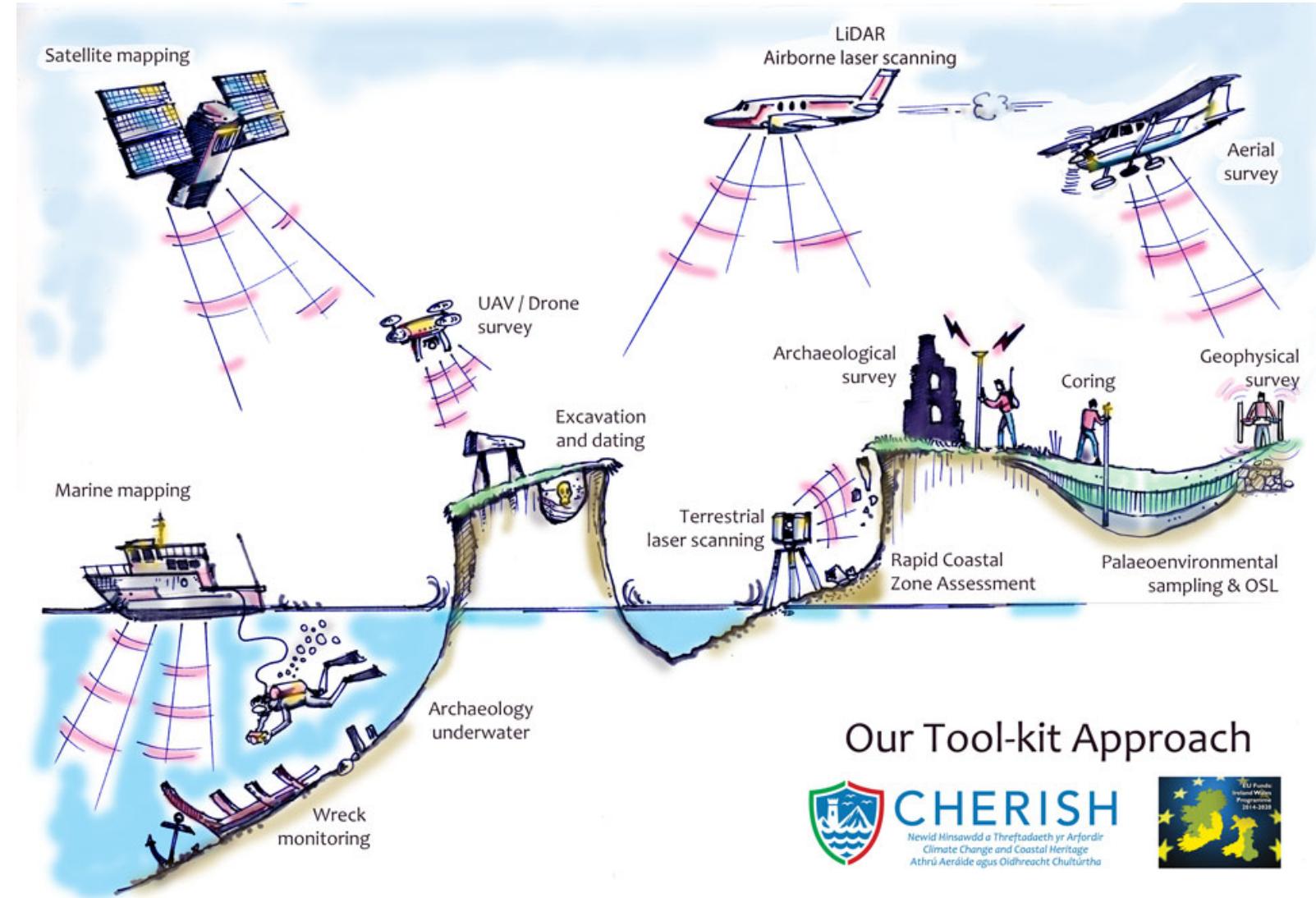
# CHERISH

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

Establishing new coastal  
baseline data & recording  
standards

Linking land and sea

Understanding historic climate  
and weather



## Our Tool-kit Approach

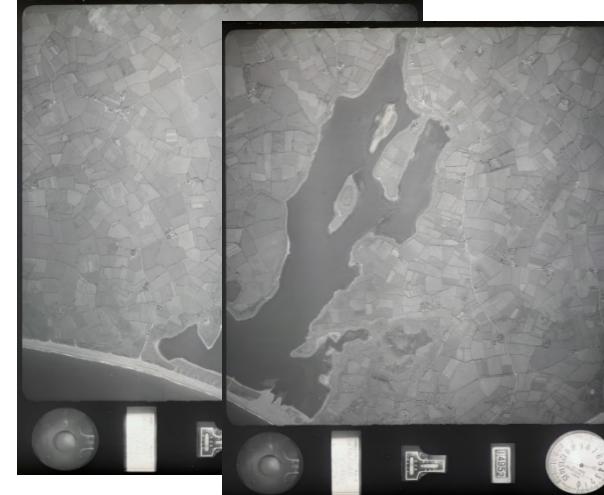




# CHERISH

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

## Aerial Images



# CHERISH: Aerial Images



METADATA



METADATA



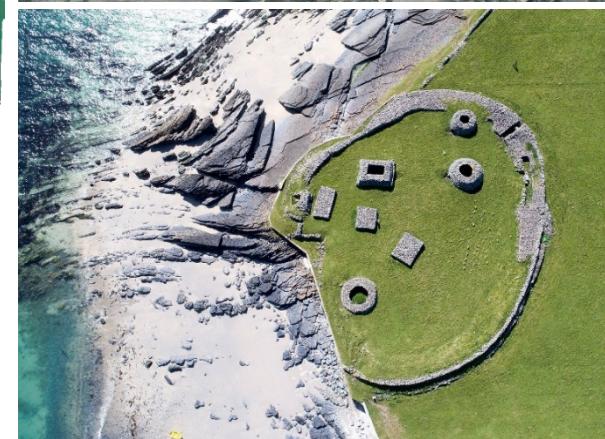
HISTORICAL



CONTEMPORARY



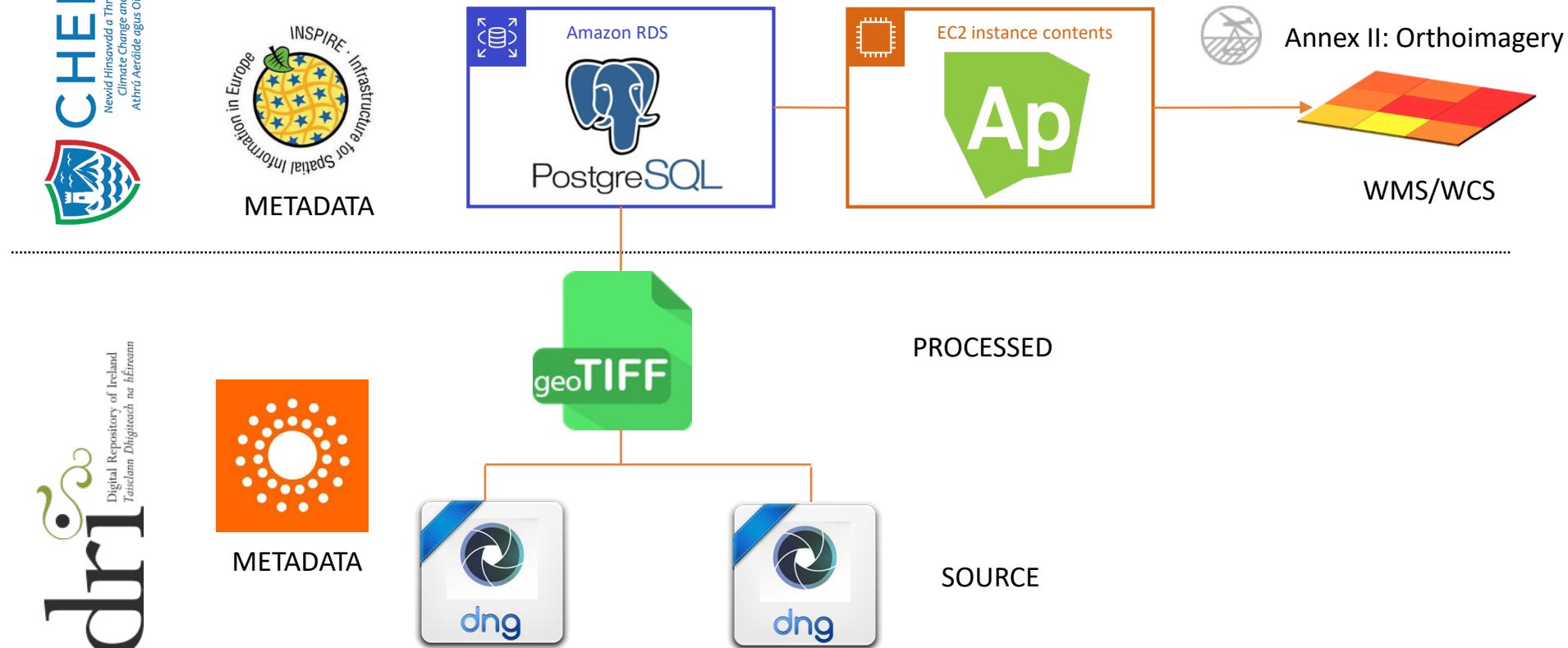
# CHERISH Range of Data – Ortho Image



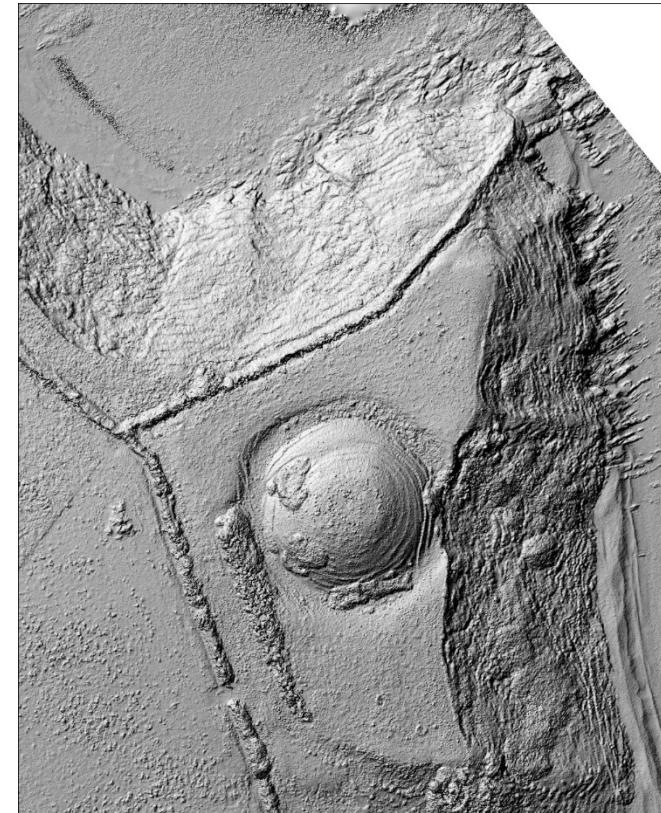
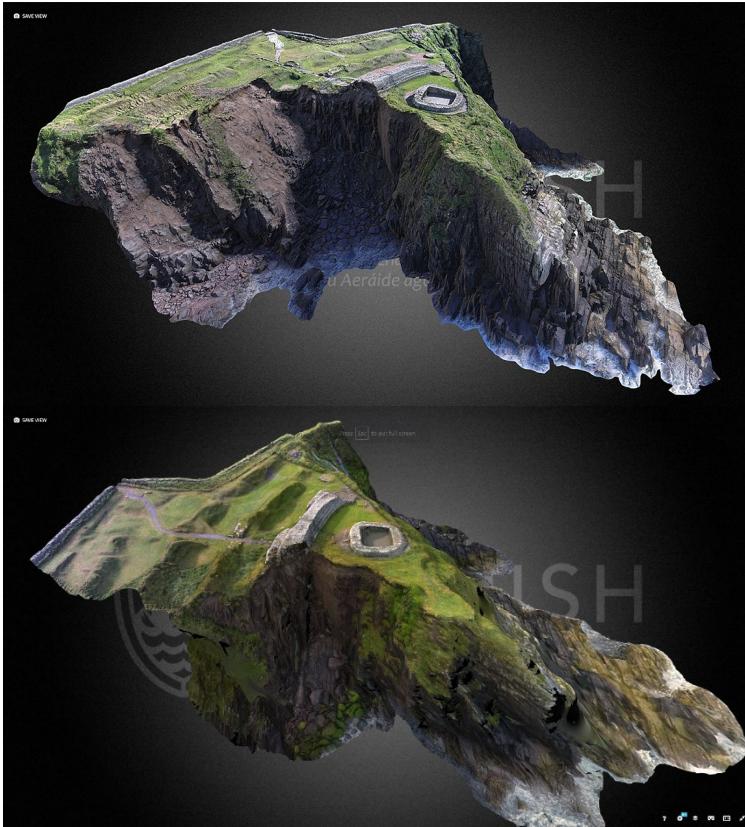
# CHERISH: Ortho Images



Newid Hingord a Threftadaeth ar Arfordir  
Climate Change and Coastal Heritage  
Athru Aeride agus Oldreacht Chulturtha



# CHERISH Range of Data – Topography DEM





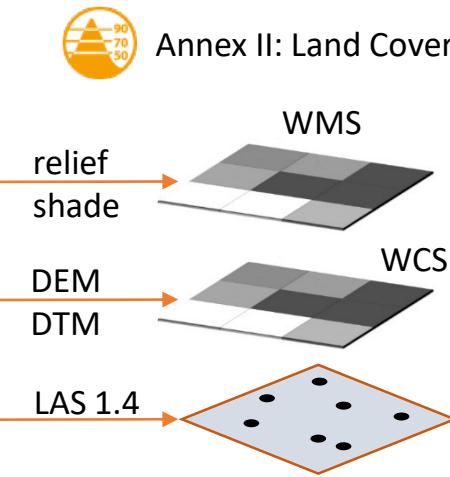
# CHERISH: DEM/DTM



METADATA



METADATA



ASCII  
(X,Y,Z,I,R,G,B)

# Terrestrial Geophysics

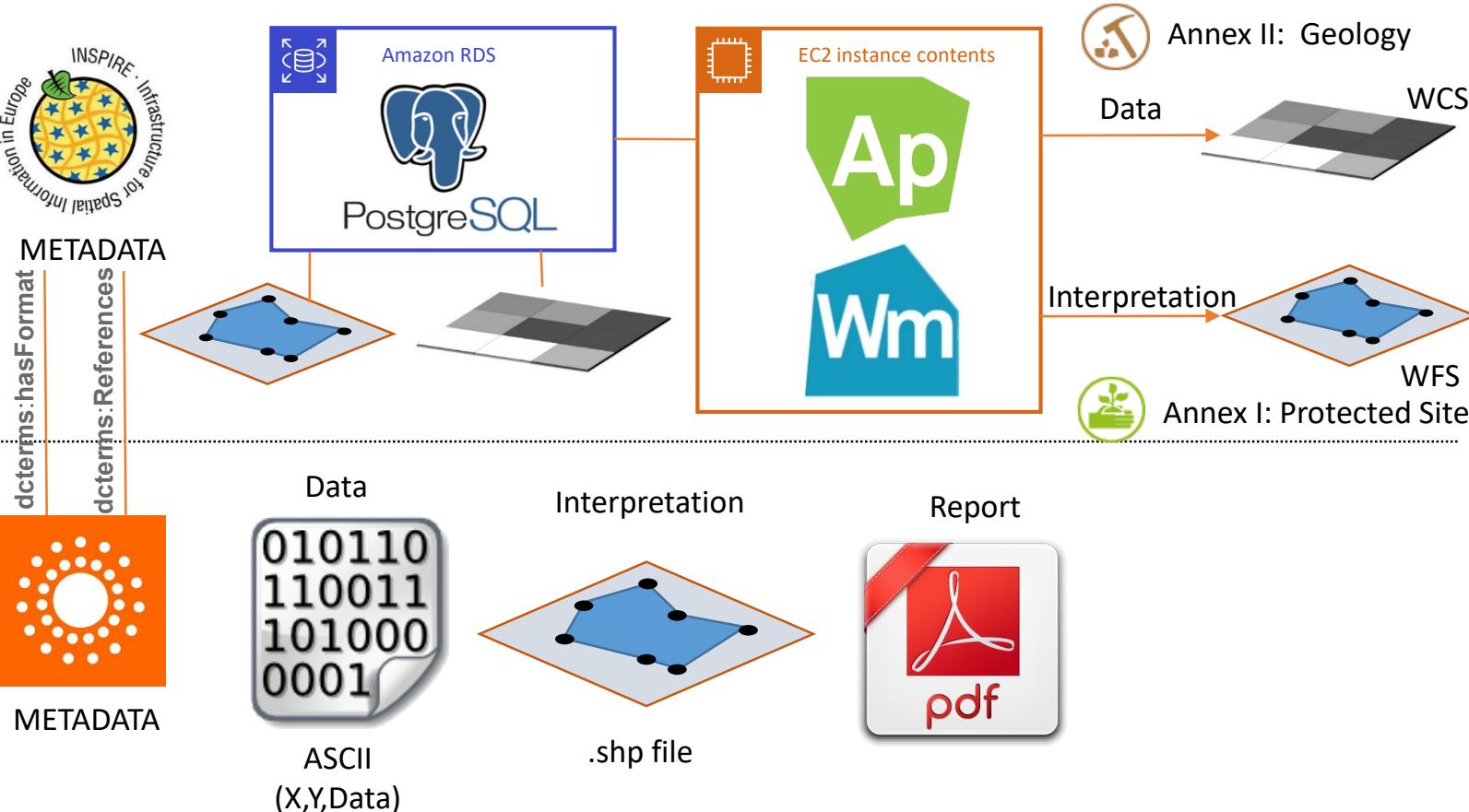


Fig. 1 Dinas Dinlle fluxgate gradiometer survey - grey-scale plot

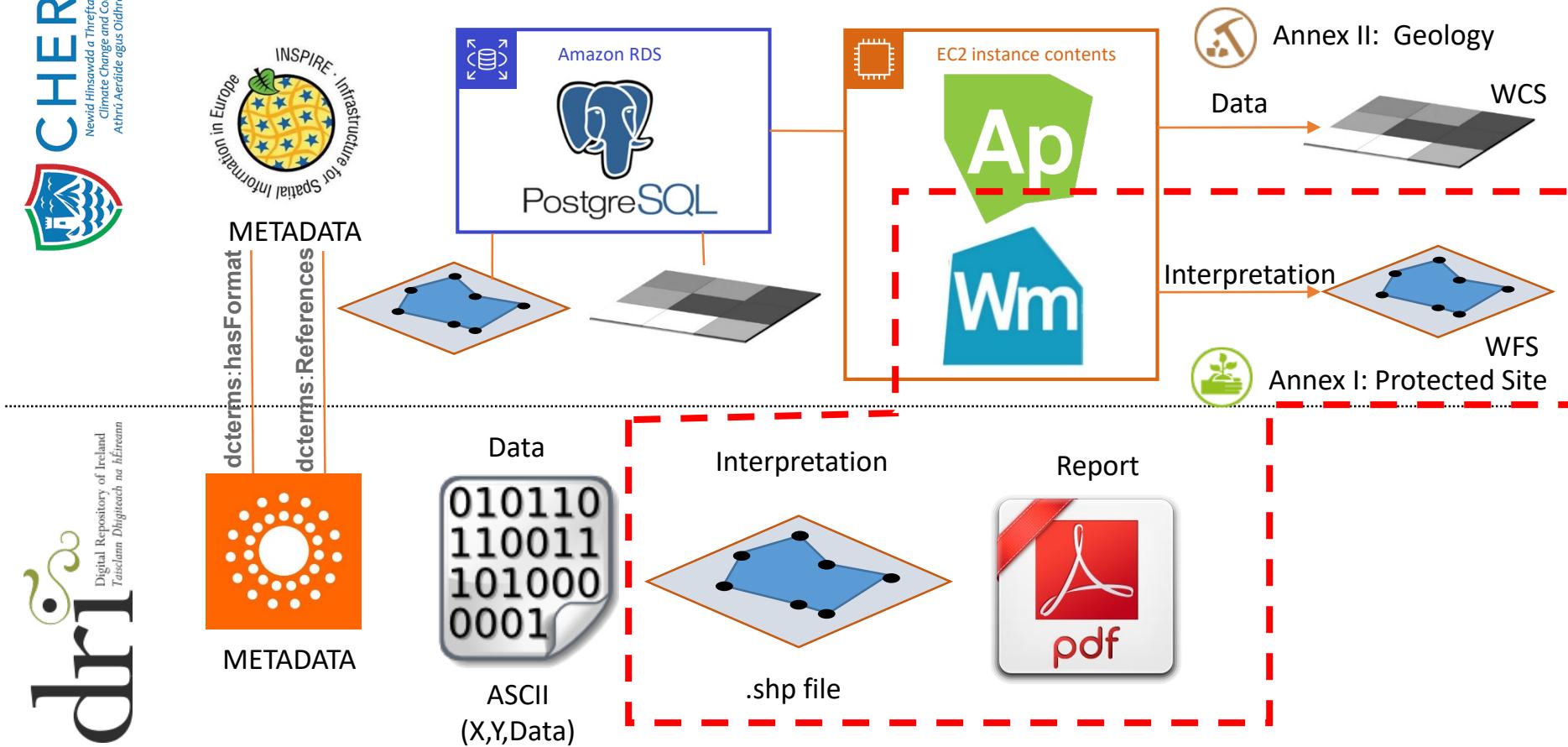


Fig. 2 Dinas Dinlle Fluxgate Gradiometer Survey - Interpretation plan

# CHERISH: Geophysics



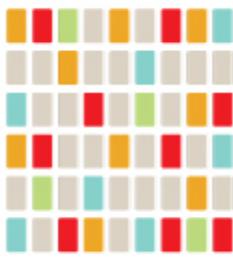
# CHERISH: Geophysics





Geospatial Pilot





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EUROPEAN RESEARCH INFRASTRUCTURE  
FOR HERITAGE SCIENCE



**MOLAB**



**ARCHLAB**



**FIXLAB**

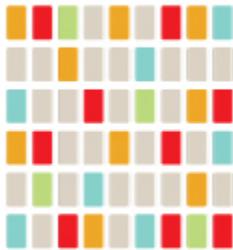


**DIGILAB**

digital scientific data sets for heritage science

**ESFRI**

European Strategy Forum  
on Research Infrastructures



# E-RIHS

EUROPEAN RESEARCH INFRASTRUCTURE  
FOR HERITAGE SCIENCE

CARDIFF  
UNIVERSITY

UNIVERSITY  
*of York*

THE  
NATIONAL  
GALLERY

diamond

The British  
Museum



Science & Technology Facilities Council  
**ISIS**



Historic England



HISTORIC  
ENVIRONMENT  
SCOTLAND



NOTTINGHAM  
TRENT UNIVERSITY



UNIVERSITY of  
**BRADFORD**



**University of Brighton**

ESFRI

European Strategy Forum  
on Research Infrastructures

SUERC  
Scottish Universities Environmental Research Centre

UCL

# Further Information

[www.discoveryprogramme.ie](http://www.discoveryprogramme.ie)

[www.cherishproject.eu](http://www.cherishproject.eu)

[www.3dicons.ie](http://www.3dicons.ie)

[www.riadne-infrastructure.eu](http://www.riadne-infrastructure.eu)

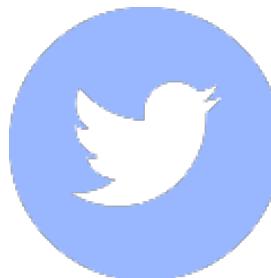
[www.locloud.eu](http://www.locloud.eu)

[www.e-rihs.eu](http://www.e-rihs.eu)

[www.sketchfab.com/discoveryprogramme](http://www.sketchfab.com/discoveryprogramme)



CherishProject  
DiscoveryProgramme



@CherishProj  
@DiscProg

# Acknowledgments

An Chomhairle Oidhreachta  
The Heritage Council



An Roinn Cultúir,  
Oidhreachta agus Gaeltachta  
Department of Culture,  
Heritage and the Gaeltacht

