EUROPEAN COOPERATION PROJECTS

with funding from the European Union

HISTORIC ENVIRONMENT SCOTLAND | ÀRAINNEACHD EACHDRAIDHEIL ALBA

INTRODUCTION

Historic Environment Scotland (HES) is the lead public body established to investigate, care for and promote Scotland's historic environment. We are at the forefront of researching and understanding the historic environment and addressing the impact of climate change on its future.

We investigate and record architectural and archaeological sites and landscapes across Scotland. Our conservation experts provide guidance, training and technical research into the built environment. Through our outreach programme, we promote community and individual learning engagement with cultural heritage. We contribute to the Scottish Government's strategy to tackle climate change and reduce Scotland's carbon footprint.

Working with international partners in the field of cultural heritage conservation and attracting European Union (EU) funding are key commitments of Historic Environment Scotland, which bring significant benefits for the people of Scotland as well as Scotland's environment and economy.

Since 2010, we have participated in 4 European territorial cooperation projects in the fields of energy efficiency, climate change adaptation, remote sensing archaeology and digital heritage presentation. Through our European engagement, we are also supporting other Scottish organisations, including small and medium-sized enterprises, in working with European partners.

Historic Environment Scotland was established in October 2015 by merging Historic Scotland and the Royal Commission on the Ancient and Historical Monuments of Scotland.

Cover: Digital technologies, such as virtual reality headsets, are being used for the interpretation and presentation of heritage sites (see Advanced Limes Applications project).

IN NUMBERS

4 European territorial cooperation projects

Funding from **4** European Union programmes

58 organisations worked with us as partners

Combined project budgets / HES budgets
13.1m € / 700 000 €

EU funding for projects / for HES
8.3m € / 400 000 €

Below: Countries of our associated partners and project partners and locations of the coordinators of our projects.

Budget and funding figures are rounded to hundred-thousand and include funding to the predecessor organisations of Historic Environment Scotland and from Iceland and Norway for the Adapt Northern Heritage projects.

In the partner count, we have included the 11 Associated Partners of Adapt Northern Heritage, as noted in the grant agreement, but not the 45 Associated Partners of ArchaeoLandscapes Europe.

Right: The historic hunting station Fredheim, on Svalbard, a Norwegian archipelago in the Arctic Ocean, was moved inland in 2015 to protect it from coastal erosion.

Image © Riksantikvaren / Photographer: Susan Barr

ADAPT NORTHERN HERITAGE

Adapting northern cultural heritage to the environmental impacts of climate change and associated natural hazards through community engagement and informed conservation planning

The project creates a community network of actors concerned with historic places in Europe's far north and develops an online tool to assess the risks for, and vulnerabilities of, these places and provides guidance for the planning of strategic adaption. The tool is being developed, tested and demonstrated in case studies in Iceland, Ireland, Norway, Russia, Sweden and Scotland, for which adaptation action plans are being produced. The Scottish case studies are in Inveraray (Argyll & Bute) and at Threave Castle and Estate (Dumfries & Galloway).

In 2015, Historic Environment Scotland led a preparatory project with the same title with project partners from Norway and Sweden. The project was also cofunded by the Interreg Northern Periphery and Arctic programme.

Website	www.adaptnorthernheritage.eu
Project period	June 2017 – May 2020 (36 months)
Project partners	Historic Environment Scotland (Scotland) – project leader Minjastofnun (Iceland) Norsk institute for kulturminneforskning (Norway) Riksantikvaren (Norway) – project co-leader
Associated partners	11 organisations
Funders	Interreg programme for the Northern Periphery and Arctic 2014-2020 and the project partners
Project budget / HES budget	1 038 000 € / 366 000 €
EU funding for project / for HES	581 000 € / 238 000 €

Budget and funding figures include the main and preparatory projects and, in addition to EU funding, contributions from Iceland and Norway for Icelandic and Norwegian project partners.

Northern Periphery and Arctic Programme
2014–2020

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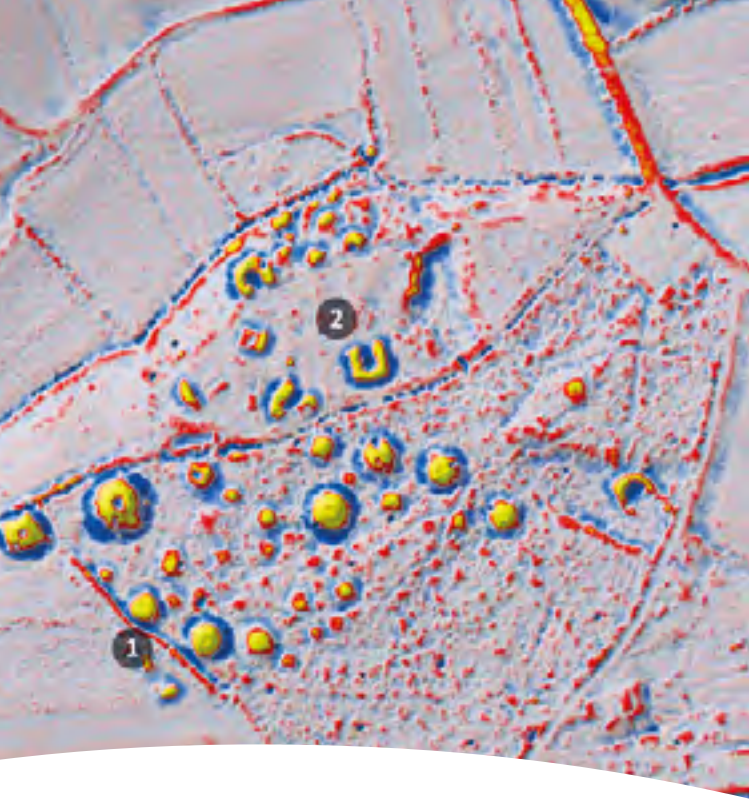
ADVANCED LIMES APPLICATIONS

ALApp produces mobile applications for sites of the limes, the ancient border defences of the Roman Empire. Some of these sites form the transnational UNESCO World Heritage Site Frontiers of the Roman Empire. Focussing on the Antonine Wall in Scotland and the Upper Germanic-Rhaetian Limes in Bavaria, the project develops digital content for on-site display, using augmented reality and three-dimensional models of building reconstructions and scanned archaeological artefacts. The project also conducts audience research and builds a stakeholder community to test the technology and transfer it to new locations across Europe and beyond.

Co-funded by the
Creative Europe Programme
of the European Union

Right: The mobile app for the Antonine Wall presents these archaeological sites not only with text and images, but using augmented reality and 3D reconstructions.

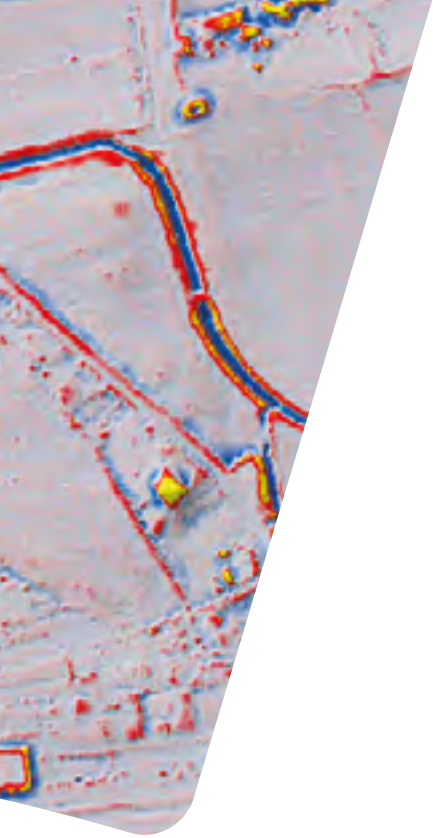
Website	www.alapp.eu
Project period	May 2016 – April 2019 (36 months)
Project partners	Bayerisches Landesamt für Denkmalpflege (Germany) Centre for Digital Documentation and Visualisation (Scotland) EduFilm & Medien (Austria) Historic Environment Scotland (Scotland) – project lead
Funders	European Union's Creative Europe programme 2014-2020, Bayerisches Landesamt für Denkmalpflege and Historic Environment Scotland
Project budget / HES budget	332 000 € / 199 000 €
EU funding for project / for HES	91 000 € / 7 500 €



ARCHAEOLANDSCAPES EUROPE

The ArcLand project demonstrated the use of aerial survey and remote sensing to promote understanding, conservation and public enjoyment of Europe's shared landscape and archaeological heritage. The project activities led to closer contact between heritage professionals and the general public, more effective conservation of the shared heritage, the international sharing of skills and employment opportunities, better public and professional education, the wider use of archive resources and modern survey techniques and higher professional standards in landscape exploration and conservation.

Co-funded by the
Culture Programme
of the Europen Union



Left: ArcLand developed guidelines for visualising airborne laser scanning, which was used to produce this image of burial mounds at Pivola, Slovenia.

Image © Agencija Republike Slovenije za Okolje

Website	www.arcland.eu
Project period	September 2010 – September 2015 (60 months)
Project partners	Historic Environment Scotland* was one of 27 project partners from 25 European countries, led by the Römisch-Germanische Kommission of the Deutsches Archäologisches Institut (Germany) as project coordinator. The project also involved 45 associated partners in the end.
Funders	European Union's Culture programme 2007-2013 and the project partners
Project budget / HES budget	5 000 000 € / 2 500 000 €
EU funding for project / for HES	62 000 € / 26 000 €

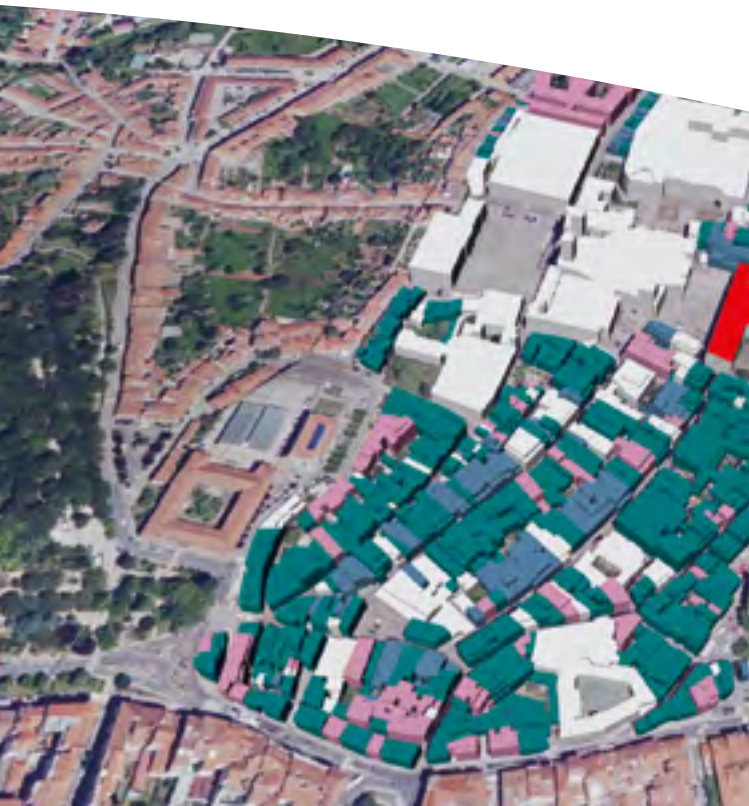
*The initial project partner was the Royal Commission on the Ancient and Historical Monuments of Scotland.

EFFESUS

Energy Efficiency of EU Historic Urban Districts' Sustainability

The project researched the energy efficiency and sustainability of European historic urban districts and investigated measures and tools to make significant improvements whilst protecting the heritage value of these historic places. EFFESUS developed new retrofit technologies, produced a software tool to inform decisions on improvement measures, provided training and awareness activities and demonstrated its results in real-world case studies in seven historic urban districts, including a case study in Glasgow.

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration, under grant agreement no. 314678.



Website	www.effesus.eu
Project period	September 2012 – August 2016 (48 months)
Project partners	Historic Environment Scotland* was a partner in a consortium of 23 organisations from 13 European countries, led by Tecnalia Research & Innovation (Spain) as project coordinator and Fraunhofer-Gesellschaft (Germany) as scientific & technical coordinator.
Funders	European Union's Seventh Framework programme for research, technological development and demonstration and the project partners
Project budget / HES budget	6 791 000 € / 4 988 000 €
EU funding for project / for HES	163 000 € / 128 000 €

*The initial project partner was the Scottish Government, acting through Historic Scotland.

Below: EFFESUS produced tools to support strategic decision-making for the retrofit of historic urban districts, including the pictured building stock categorisation tool.

SUPPORTING OTHER PROJECTS

CINE – Connected Culture and Natural Heritage in the Northern Environment
Led by Museum Nord, Norway, CINE (2017-19) is an Interreg Northern Periphery & Arctic project, developing a multi-functional, digital interpretation and data-management toolkit to create new, unique on-site and off-site customer experiences in specific locations. Historic Environment Scotland is an Associated Partner in CINE to achieve synergies with Adapt Northern Heritage.

FASUDIR – Friendly and Affordable Sustainable Urban Districts Retrofitting
Led by Tecnalia Research & Innovation, Spain, FASUDIR was an FP7 project which developed an integrated decision support tool, based on a novel assessment methodology. This software tool will help decision makers to select the best energy retrofitting strategies for urban districts. Historic Environment Scotland provided an external advisor to the project's Local Project Committee for Scotland.

IPERION CH – Integrated Platform for the European Research Infrastructure on Cultural Heritage
Led by the National Research Council of Italy, IPERION CH (2015-19) is a Horizon 2020 project, establishing a unique pan-European research infrastructure in heritage science by integrating national world-class facilities at research centres, universities and museums. Historic Environment Scotland facilitated the use of the Glasgow School of Art building as a research object for the project's mobile laboratory.

renoZEB – Development of near zero energy building renovation
Led by Tecnalia Research & Innovation, Spain, renoZEB (2017-2020) is a Horizon 2020 project to develop a holistic deep energy renovation process for zero energy buildings and neighbourhoods. Historic Environment Scotland provides an external expert to the project's Advisory Board.

CHIST – Cultural Heritage Interpretation and Sustainable Tourism
CHIST is a series of Leonardo da Vinci projects to give those who work in the field of Scottish heritage interpretation and tourism an idea of what is being undertaken in their field elsewhere in Europe and the inspiration to apply new methods in Scotland. Historic Environment Scotland participated in the project with staff visits to Cyprus, Iceland and Romania.

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All budget and funding figures are rounded to thousands, except on pages where stated otherwise.

This leaflet reflects the views of Historic Environment Scotland, and the European Commission cannot be held responsible for any use which may be made of the information contained therein.