



**Centre for Data Digitisation
and Analysis**



Welcome to the Centre for Data Digitisation and Analysis

The Centre for Data Digitisation and Analysis (CDDA) is the leading not for profit developer of digital educational and community electronic resources in the British Isles.

It is a centre of excellence in the creation of e resources, research on e resource methodologies, the use of tools to better use digital content, and substantive academic research using the materials we have created.

We offer a large scale data capture service, either based in our purpose built accommodation at Queen's University Belfast or, through our mobile unit, at any site worldwide. We have a comprehensive service from the digitisation of 'difficult' historical material, to consultation, project management, technical support, the assessment of delicate materials, quality assurance, data post processing and project delivery. We have a range of specialised equipment (including flatbed, book page, microfilm and map scanners ranging up to A0) and associated software. The experienced team has been involved in a number of collaborative projects ranging from simple digitisation work to complex post processing, innovative dissemination and outstanding research.

CDDA is a founding member of the ICT Network of Expert Centres (arts humanities. net/noc) which includes leading institutions involved in the creation and use of digital content. We have received significant grant income both from the academic and commercial sectors in recent times amounting to in excess of £8,000,000 through more than 60 projects.

Staff

The unit have a wide range of staff that have grown into a skilled and specialised team. The team consists of management, administrative, data capture, data analysts, technical and research personnel.

Director of CDDA

Dr Paul S Eil BA, MA, PhD

Project Manager

Mrs Elaine Yeates

Senior Information Technical Support Officer

Mr David Hardy

Information Technical Officer

Mr Anthony Anderson

International Research Fellow

Professor David J Bodenhamer

Administration Support

Mrs Karleigh Kelso

Information Technology Assistants

Mr Bryan Hardy

Mr Christopher Gilbert

Ms Emma McGurk

Mr Daniel Moyangh

Ms Samantha Stegles

Ms Brigid Sloan

Mr David Thompson

Queen's Student Support

Ms Kerri Whiteside

Research and Partners

The Centre is not just a not-for-profit digitisation unit. We reside in an academic department at Queen's University, (The School of Geography, Archaeology & Palaeoecology) and carry out significant research using the resources we create. Centre staff have published widely including two monographs with Cambridge University Press -

Rival Jerusalem: The Geography of Victorian Religion and Historical GIS: Technologies, Methodologies and Scholarship.

In addition several other books have been published, bespoke educational software created and many journal articles written. Our research publications are both methodological - such as the innovative use of GIS - and address substantive research issues such as work on religion. In addition the Centre holds the editorship of *The International Journal of Humanities and Arts Computing* published by Edinburgh University Press.

CDDA acts as an advocate for digital resources, particularly in the Humanities, and members of the team regularly serve on national and international committees including the ICT Methods Network, the UC Berkeley based Electronic Cultural Atlas Initiative Management Committee, the JISC Digitisation Advisory Committee, and the European Science Foundation Review Group.

As well as our membership of the ICT Network of Expert Centres we work with some of the leading institutions in the world. We have Memoranda of Understanding with the University of California Berkeley, Indiana University Purdue University Indianapolis and Academia Sinica in Taiwan. We actively work with colleagues at King's College London, Stanford University and Harvard University, the Northern Ireland Statistical Research Agency, CMC India, the National Archives Ireland, as well as collaborating with the Royal Irish Academy in Dublin.

Funders

Arts and Humanities Research Council (AHRC)

The Economic and Social Science Research Council (ESRC)

The Engineering and Physical Sciences Research Council (EPSRC)

The Joint Information Systems Committee (JISC)

The British Academy (BA)

The Wellcome Trust

The Nuffield Foundation

The New Opportunities Fund (National Lottery)

The British Library Co-operation and Partnership Programme (BLCPP)

The Research Support Libraries Programme (RSLP)

The Northern Ireland Statistical Research Agency (NISRA)

The Programme for Research in Third Level Institutions in the Irish Republic (PRTL)

Data Archiving and Networked Services (DANS), Netherland

The European Science Foundation (ESF)

The National Endowment for the Humanities (NEH) USA

The National Science Foundation (NSF) USA

Institute of Museum and Library Services (IMLS) USA

Down District Council, Northern Ireland

South Eastern Education and Library Board, Northern Ireland National Museums Northern Ireland (NMNI)

Equipment Used

A1 Book Eye Scanner

Photo Slide Scanner

A3 Book Page Scanner

High Speed Servers

A3 and A4 Flatbed Scanner

Microfilm / Microfiche Scanner Map Scanner (A0)



Services

- Digitisation and image management expertise
- Funding application assistance
- Tendering and service procurement support
- Preservation assessment of delicate material
- Feasibility and pilot studies
- Digitisation workflow assessment
- Systems and infrastructure specification
- Stakeholder surveys
- Sustainability of digital resources advice
- Sustainability model development
- Research and development

Outputs

- Digital scanning of photographs, journals, manuscript and maps from the 13th century to the present day
- Digitisation of microfilm and microfiche
- Digital image manipulation and enhancement
- Optical Character Recognition scanning (text and numeric data extraction from documents)
- OCR scanning (languages and unique symbols i.e. Gaelic, Irish, Yiddish, French, German etc.)
- Post-processing and reformatting OCR material into multiple formats
- Bespoke quality control of alpha numeric material (up to 100 per cent accuracy levels)
- Quantative analysis of numeric data
- Development of metadata, XML and HTML markup
- Database and Web design
- Application of Geographical Information Systems (GIS)

Materials Digitised

The unit specialises in the capture of historical materials, i.e. manuscripts, monographs, journals, statistical information, newspapers and maps.

In terms of the creation of strategic electronic resources, the Centre has managed some of the most significant projects in the University sector. It is the largest provider of e-resources relating to

Irish Studies having been funded to develop an **Act of Union Virtual Library** (www.actofunion.ac.uk), **Historical Debates of the Northern Ireland Parliament** (www.ahds.ac.uk/stormontpapers), and **Digital Library of Core Materials on Ireland** (DLCMI) in partnership with JSTOR, and the **Database of Irish Historical Statistics**.



Completed Projects

The Stormont Papers - 50 years of Northern Ireland Parliamentary Debates Online 1921-1972

<http://stormontpapers.ahds.ac.uk/>

A Vision of Britain through time 1801-2001

<http://www.visionofbritain.org.uk/index.jsp>

A Digital Library of Core e-Resources on Ireland

<http://www.qub.ac.uk/dlcmi/>

Act of Union Virtual Library - The Digital Resource for the Act of Union 1800

<http://www.actofunion.ac.uk/>

Three Centuries of English Crops Yields 1211-1491

<http://www.cropyields.ac.uk/>

The Online Historical Population Reports Website 1801-1937

<http://www.histpop.org/ohpr/servlet/>

The Database of Irish Historical Statistics 1821-1971

<http://www.qub.ac.uk/cdda-old/iredb/dbhme.htm>

Ford Selections of British Parliamentary Papers 1801-1995

<http://www.bopcris.ac.uk/bopcris/digbib/home>

Corpus of Electronic Texts

<http://www.ucc.ie/celt/>

Dictionary of the Older Scottish Tongue DOST - 12th Century-end of the 17th

<http://www.arts.ed.ac.uk/dost/>

Enhanced Parliamentary Papers on Ireland 1801-1922

<http://www.eppi.ac.uk/eppi/digbib/home>

The Scottish National Dictionary 1700-1976

<http://www.scotsdictionaries.org.uk/Publications/SND.html>

Digital Collections - Queen's Special Collections

<http://digitalcollections.qub.ac.uk/>

Training

The centre offers specialised expert workshops both within the University and externally on an international scale. In the past we have secured European Science Foundation funding to allow GIS workshops to be held at Queen's. Funding for other workshops reflecting state-of the art activity in Digital Humanities has been made possible through grants from bodies such as AHRC, JISC and The British Academy.

The unit has an award winning training programme providing instruction on many aspects of digitisation. We work alongside government bodies and promote community outreach. The Centre offers NVQ level II and III work placement experience training opportunities to eligible candidates. We have been offering positions to NVQ Trainees since 1996 and currently have a number on placement with us. Whilst with us trainees learn many new skills that contribute to their NVQ qualification.

The International Programme

The Centre has an exceptionally strong international presence. Staff from CDDA have presented more than 150 conference papers over the last five years across six continents. The Centre has established, practical and rewarding Memorandums of Understanding with key international universities. Staff from the Centre are active in the organisation of the International Electronic Cultural Atlas Initiative, the Association of American Geographers and the Social Science History Association. It is a founding member of the European Historical GIS Initiative. In 2009 it acted as local host for the Digital Resources in the Humanities and Arts (DRHA) conference, attended by more than 150 scholars.

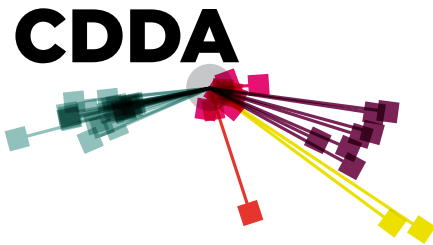
Presentations have taken place at 34 of the 50 states in the US.

**Centre for Data Digitisation
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This publication is also available in alternative formats on request, including large print, Braille, tape, audio CD and Daisy CD. For further information, please contact the University's Publications and Website Unit on +44 (0)28 9097 5332.

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About the CDDA logo

The logo, created by greenlanddesign.org, is inspired by the cutting-edge, wide-ranging and international work that is carried out by the department, and is based on the physical mapping of CDDA collaboration and conference participation. Belfast, in grey, acts as a hub, with partner institutions and conference venues located on a Robinson-projected world map. Different colours represent different continental groups.