



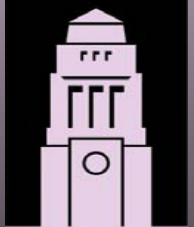
# DIGITAL GEOGRAPHY *in a* WEB 2.0 WORLD



UCL

NCeSS

E·S·R·C  
ECONOMIC  
& SOCIAL  
RESEARCH  
COUNCIL



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Spatial Literacy IN Teaching

## WEDNESDAY 20 FEBRUARY 2008

**WEDNESDAY 20 FEBRUARY 2008 @ The Barbican**

# Welcome

## to Digital Geography in a Web 2.0 World

A showcase for SpLinT and NCESS projects

Peter Halfpenny

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Executive Director, ESRC National Centre for e-Social Science

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

**DIGITAL GEOGRAPHY** *in a* **WEB 2.0 WORLD**



WEDNESDAY 20 FEBRUARY 2008 @ The Barbican

# National Centre for e-Social Science

New Computer Applications for Social Scientists

10 minutes of scene setting



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# My scene setting agenda

- What is e-Science?
- What is the Grid / e-Infrastructure?
- What is e-Social Science?
- ESRC strategic framework
- What is NCeSS?
- NCeSS's mission
- NCeSS's two research strands
- NCeSS's outreach programme
- Today's programme

# What is e-Science?

“e-Science is about global collaboration in key areas of science and the next generation of infrastructure that will enable it.”

John Taylor, former DG of Research Councils,  
UK Office of Science and Technology (as was)

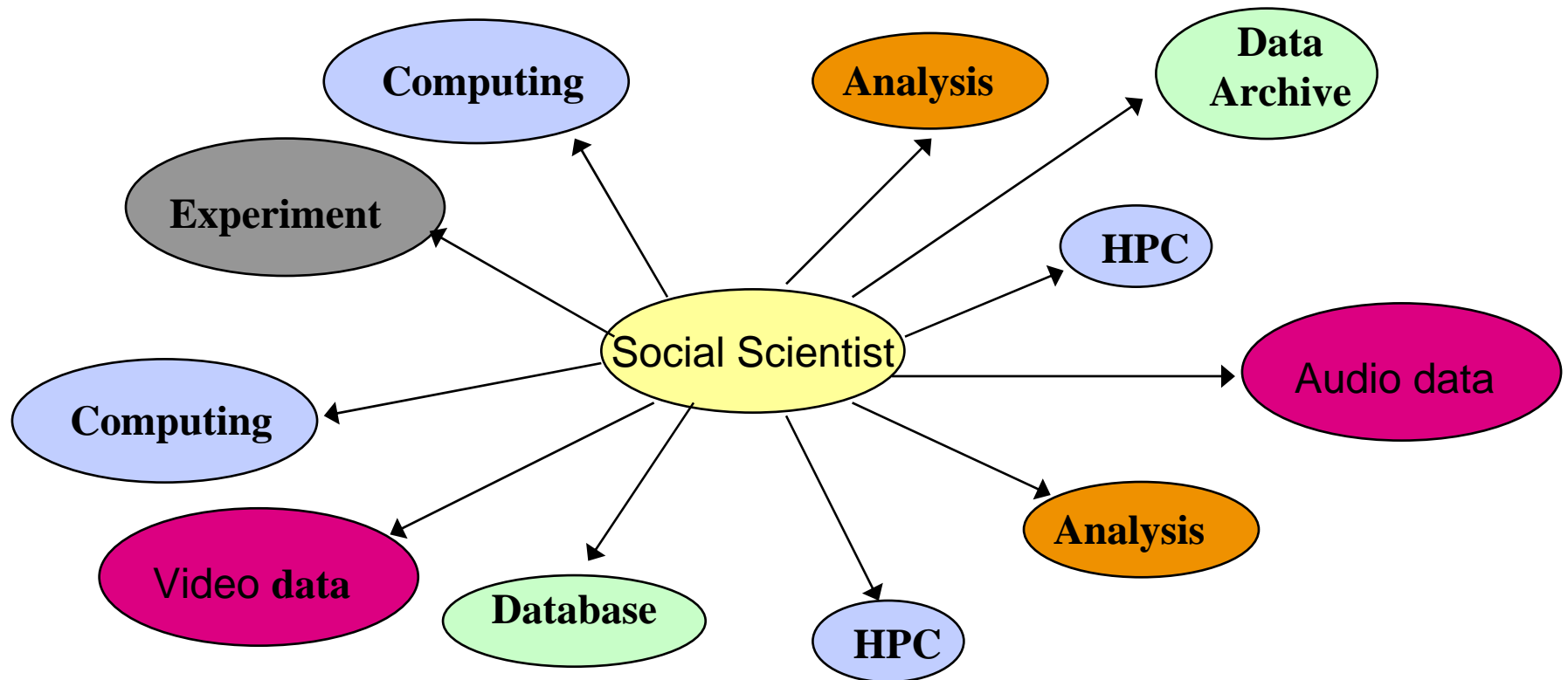
That enabling infrastructure is the **Grid**  
Now commonly known as  
**e-Infrastructure**

# What is e-Social Science?

- using the e-Infrastructure to:
  - locate, access, share, integrate, analyse and visualise digitised data seamlessly across the Internet on a hitherto unrealisable scale
  - facilitate collaboration across distributed research teams
  - enable advances in social research that would not otherwise have been possible.

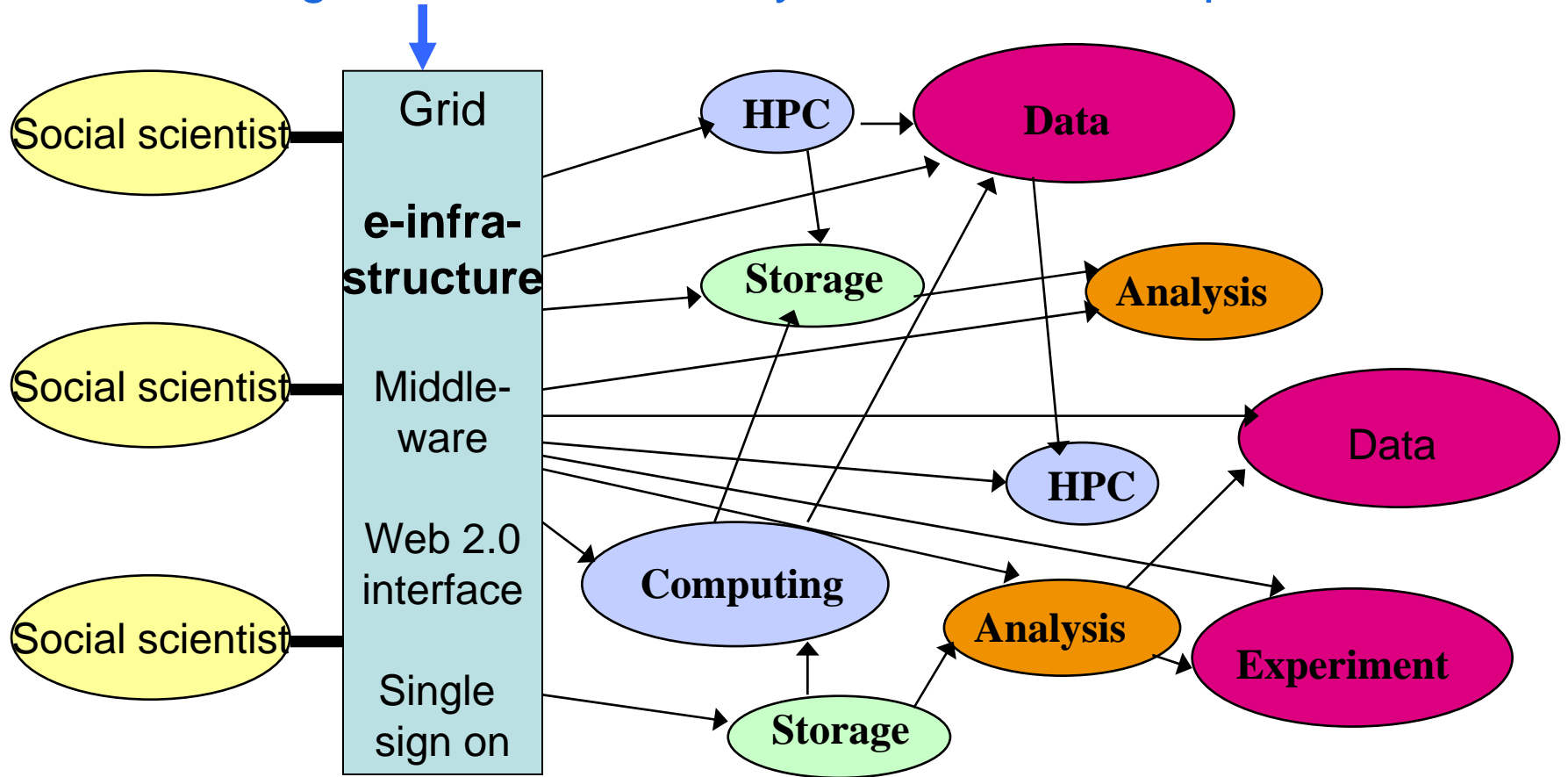
# Research infrastructure today

Many separate accesses, multiple interfaces



# Future research e-Infrastructure

Seamless integration of data, analytic tools and compute resources





# ESRC Strategic Framework

- To create a world class UK social science infrastructure that will underpin the delivery of the highest quality social and economic research
- Infrastructure nurtured by the Research Resources Board with a budget of £17m p.a.

# RRB Strategy

- to develop leading-edge methodological tools and techniques within the social sciences
- to enhance the capacity to collect, link, access, share and analyse both quantitative and qualitative data resources

# What is NCeSS?

- major ESRC RRB investment
- aims to realise RRB strategy
- co-ordinating Hub at Manchester
- Phase 1: 7 major research Nodes and 12 Small Grant Projects across the UK
- Phase 2: 7 major research Nodes
- 100+ investigators
- developing the e-Infrastructure

# NCeSS mission

- To help social scientists make the best use of e-Infrastructure to address key social science research challenges.
- To stimulate the uptake of e-Infrastructure across the social science research community.
- To provide information, training, advice, support and online resources.
- To advise on the future strategic direction of e-Social Science.

# Applications research strand

- develop e-Social Science tools and techniques that enhance the ability of the social science community to address their substantive research problems
- to build an e-Infrastructure that provides Grid-enabled research resources to the wider social science research community

# Social shaping research strand

- influences on the design and development of e-infrastructure
- influences on the uptake and use of e-science technologies
- usability of e-science tools
- factors promoting collaboration
- socio-economic impact of e-science

# NCeSS Nodes

- Geographical Urban Environments
- Modelling and Simulation for eSS
- Collaboration for Quantitative eSS Statistics
- New Forms of Digital Record for eSS
- Mixed Media Grid
- Policy Grid: Rural Policy Appraisal
- Behavioural Intervention Grid
- Data Management
- Obesity e-Lab
- Oxford e-Social Science Project

# Outreach and capacity building

- making the e-Infrastructure as easy to use as the Web
- web services, user-friendly interface
- point and click, drag and drop
- seamless integration of applications
- Web 2.0 sets the standard
- visualisation a key to intuitive understanding



# Where to find out more

www.ncess.ac.uk



Intranet | Site Map | Search...  Go



Home | About e-Social Science | About us | Research & Development | Services | Events | News & Opinion | Contact us

## Welcome to NCESS

The National Centre for e-Social Science (NCESS) is funded by the Economic and Social Research Council (ESRC) to investigate how innovative and powerful computer-based infrastructure and tools developed over the past five years under the UK e-Science programme can benefit the social science research community. This infrastructure is commonly known as the 'Grid'.

## Papers from the 3rd International Conference

- Papers from the 3rd International Conference are now [online](#)
- Photos from the conference are on our [Facebook Group](#) and will be on the NCESS webpage soon
- Our [next](#) conference is in Manchester. Find out [more](#)

[→ More Resources](#)

## Search for projects in e-Social Science

- Grid-enabled virtual urban environments
- New forms of digital records
- Ethical, Legal and Institutional Infrastructures of e-Science
- Developing and supporting Quantitative e-Social Science
- Real-time analysis of video and associated data
- Modelling tools for specific research and policy questions
- Explore how Semantic Grid tools can be created to support social scientists and policy makers
- Watch a video (70mb) of Digital Replay System demonstration
- e-Infrastructure & tools

[→ Search for more Projects](#)

## Funded By

## Featured Project



**Digital Replay System demo video**  
Watch a demo of the DRS software in action (5mb. .wmv file) The system supports the coordinated replay, annotation and analysis of combinations of video, audio, images and system log files. The software is open source and available here.

[→ More Projects](#)

## Latest News



**Initial Announcement and Call for Submissions - 4th Annual Conference**  
22nd November 2007

We invite contributions from members of the social science, e-Infrastructure/cyberinfrastructure and e-Research communities with experience of, or interests in:  
\* exploring, developing, and applying new methods, practices, and tools afforded by new infrastructure technologies - such as the Grid and Web 2.0 - in order to further social science research; and  
\* studying issues impacting on the wider take-up of e-Research.

[Fourth International Conference on](#)

## Conferences & Workshops

**Third IEEE International Conference on e-Science and Grid Computing**

10 December 2007 - 13 December 2007

**Fourth International Conference on e-Social Science - Dates for your diary**

The NCESS conference in 2008 will take place between 18th and 20th June. The conference will run at the Manchester Conference Centre, University of Manchester, UK. Stay in touch with our RSS feeds to get more details as they are released. More information is available on the Conference Website  
18 June 2008 - 20 June 2008

**Spatial Simulation and Information Infrastructures**

11 December 2007 - 13 December 2007

**NCESS e-Infrastructure Project Meeting**

13 December 2007 | 9:30 - 12:00

[→ More Events](#)

# Today's programme

- Six Presentations
  - by two phase 1 Nodes – Moses and GeoVue
  - illustrating power of e-Social Science
  - to achieve what wouldn't otherwise be possible
  - in an easily accessible way
  - using widely applicable tools
  - delivered as Web services
  - relevant to academics and policy makers
  - in collaboration with SpLinT



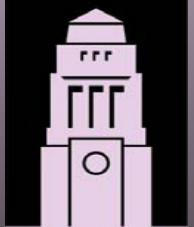
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