



Videoconferencing Services for UK Schools



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25 October 2005

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Videoconferencing Services Pilot



- Pilot in England, funded by DfES
 - May 2004 - July 2005
 - National Videoconferencing Services
 - JVCS and VTAS
 - National Content Providers
 - Museums, Libraries, Archives, Galleries
 - Plus other “national” educational organisations
e.g. National Space Centre and Eden Project
 - Final Report: www.ja.net/community/schools/vcsp



Pilot Outcomes

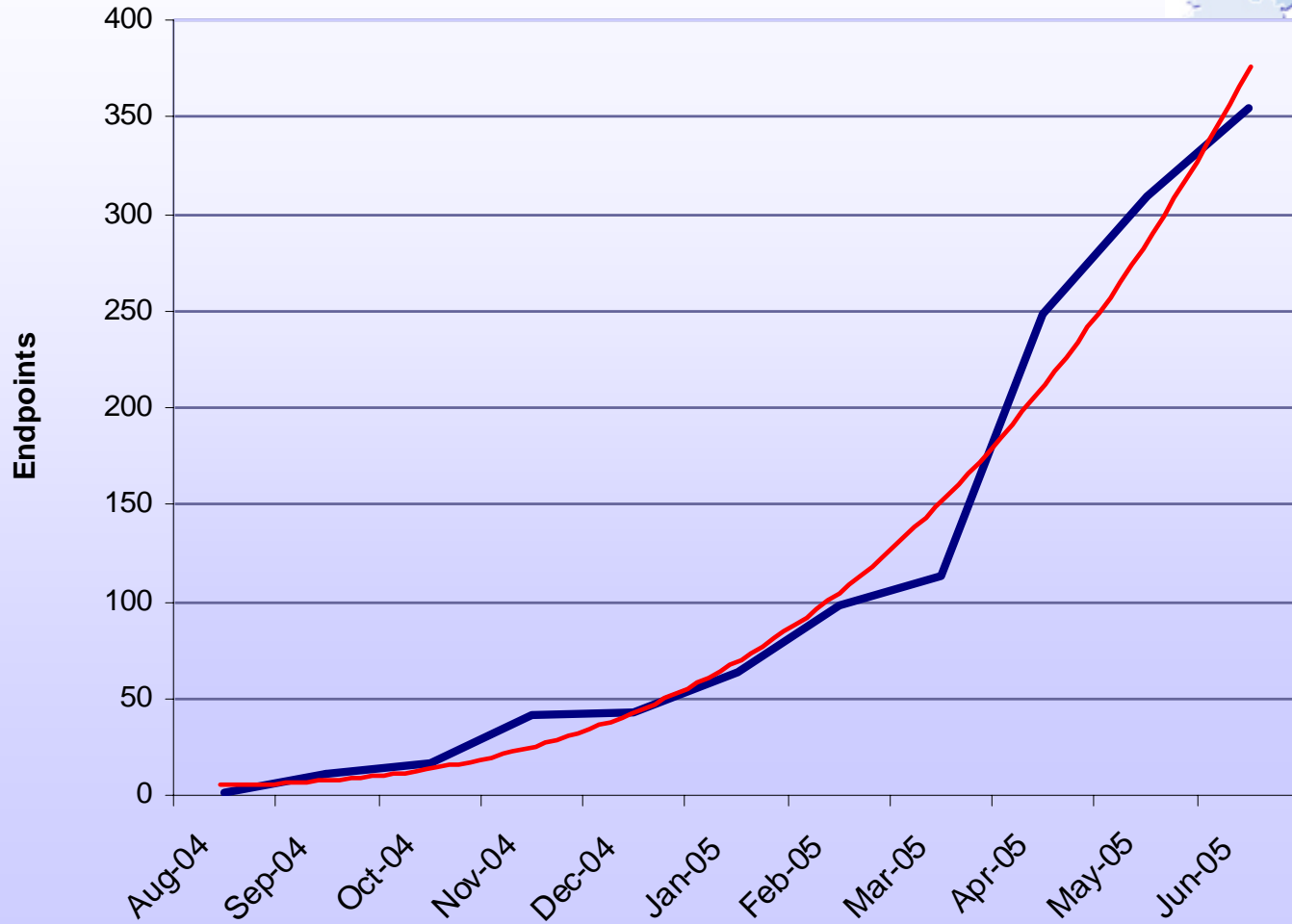


The success of the project has been demonstrated by the following:

- All major milestones were met
- Improvements in the ability of schools to videoconference across regions
- Take-up of the service
 - Endpoint registration with JVCS; Videoconferencing via JVCS
- Positive feedback from the participating organisations
- Renewed funding and UK-wide participation

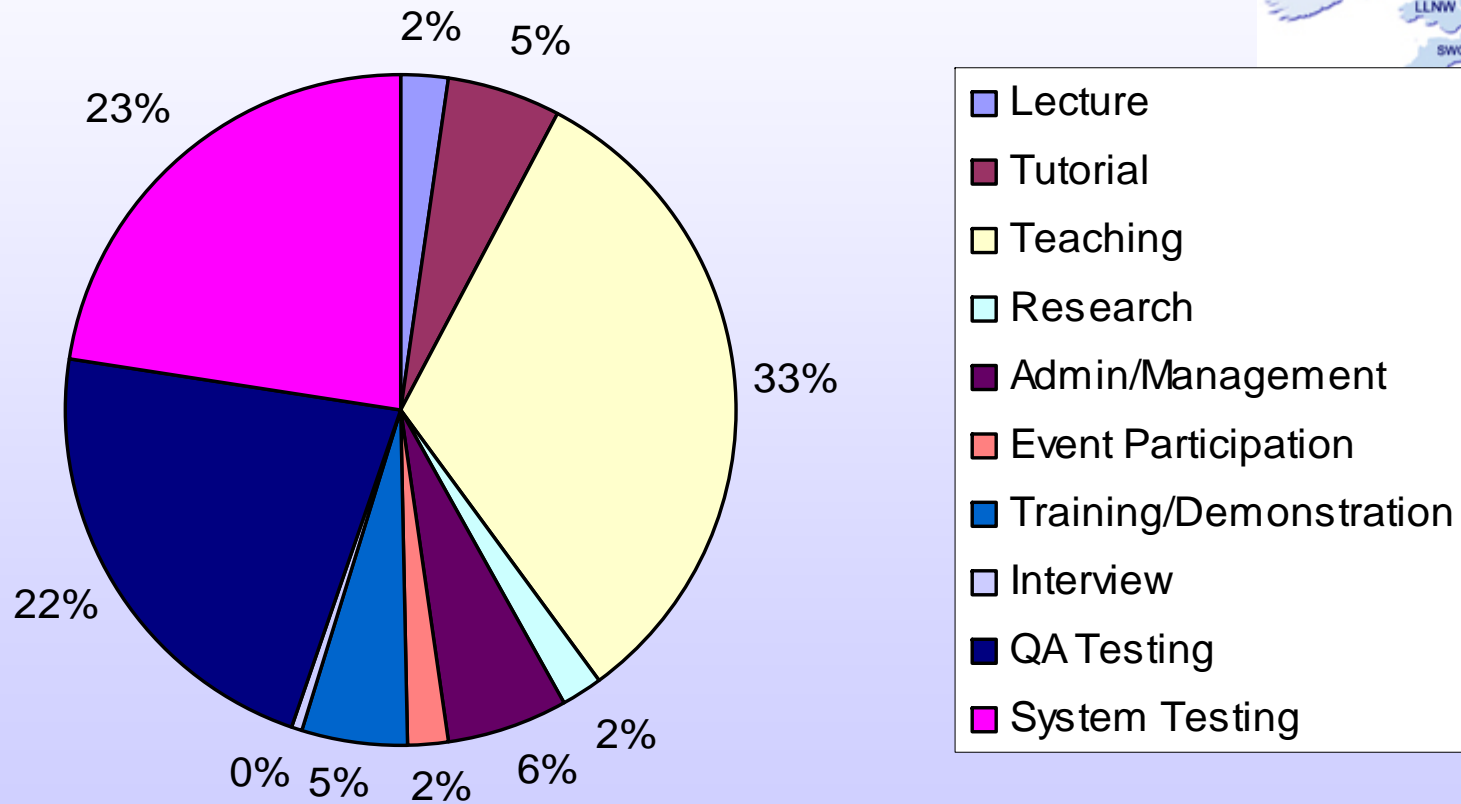


Registration with JVCS





Videoconferencing via JVCS *by Purpose*





Directories, Quality and Security



- The requirements for two types of National Directory were identified: a Collaboration Service and a Videoconferencing Directory;
- Most of the problems with videoconferences during the pilot have arisen where school venues have not been Quality Assurance Assessed;
- All videoconference calls with schools are initiated by JVCS on a dial-out basis, which provides some level of security and can provide RBCs/LEAs with a single trusted source (JVCS MCU) of incoming calls.



Videoconferencing and Interoperability



- Almost 350 videoconferences amongst 250 school endpoints, during two school terms (Sep-Dec 2004 and Jan-April 2005) ;
- Around 50% of calls
 - were for teaching, the remainder for QA/system testing;
 - used the IP-ISDN Gateway; the remaining calls were IP-IP;
- Bandwidth generally 384kbps or 768kbps
- National-Regional MCU Interoperability tests;
- Development of a National ISDN Billing solution;
- Launch of JVCS-OnDemand and JVCS-Check in 2005



Cambridge *Motivate* Maths



UNIVERSITY OF
CAMBRIDGE



maths videoconferences for schools

SWGL SEGL



motivate.maths.org



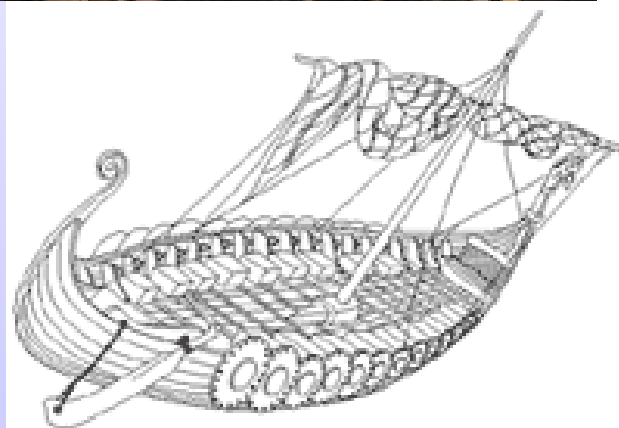
The Science Museum



www.nmsi.ac.uk



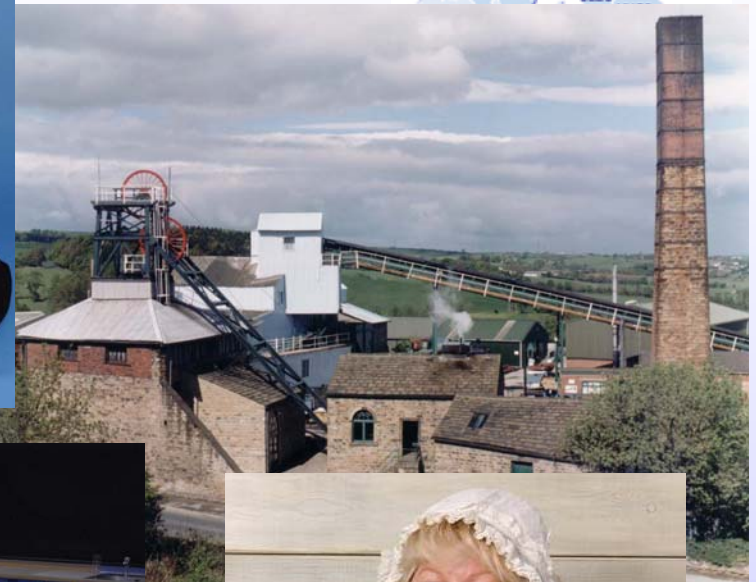
The National Maritime Museum



www.nmm.ac.uk



National Coal Mining Museum



www.ncm.org.uk

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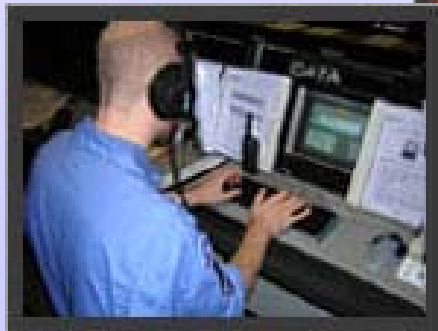
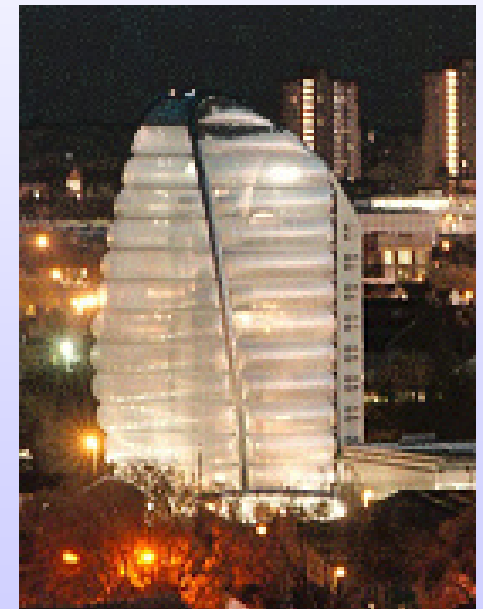
Natural History Museum



www.nhm.ac.uk



National Space Centre



www.spacecentre.co.uk

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The Eden Project



www.edenproject.com



Videoconferencing Services Project

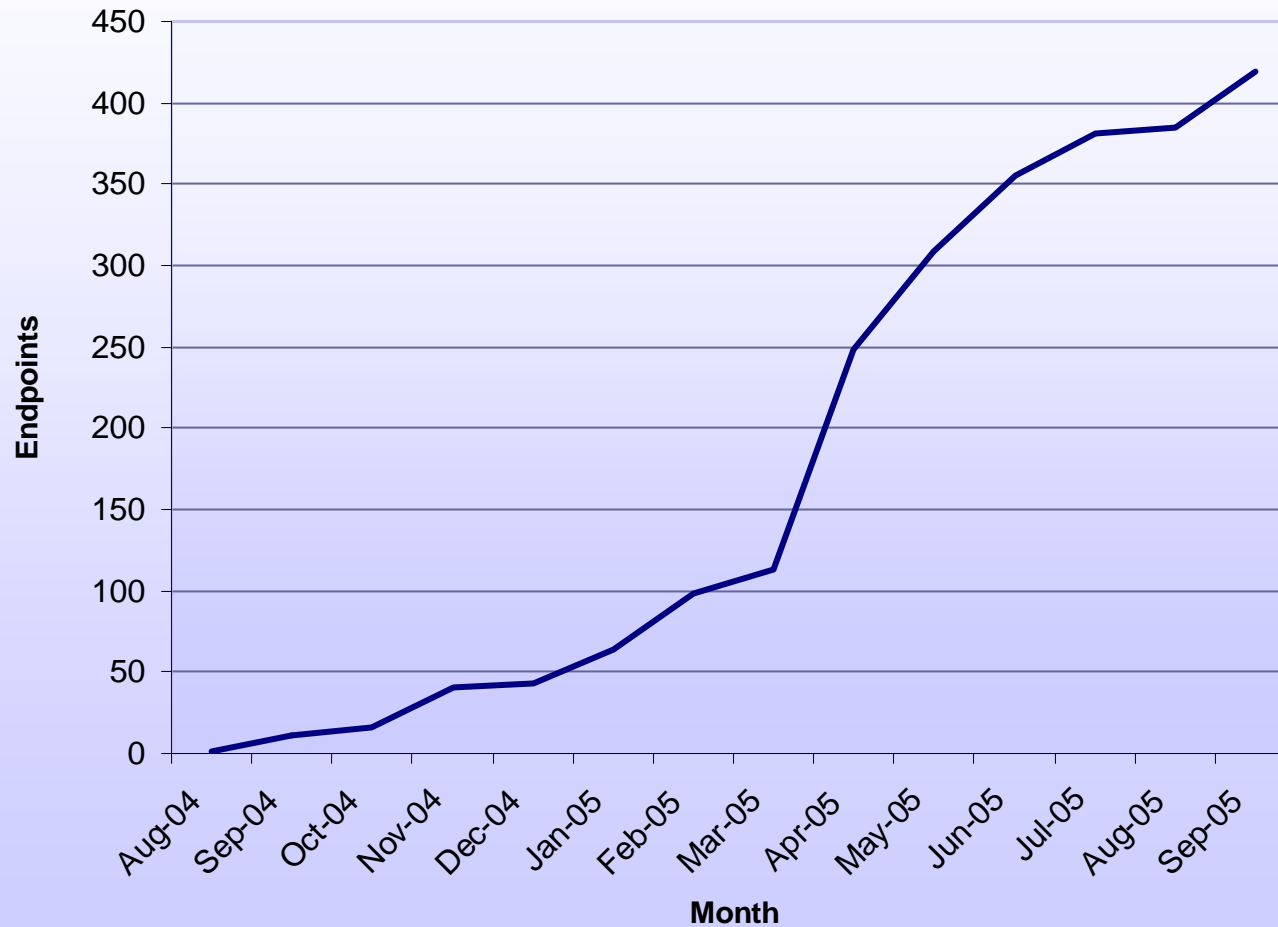


- UK-wide Project
 - August 2005 – July 2006
 - London Live!
 - The National Archives
 - EduBase
 - ISDN Billing
 - European collaboration



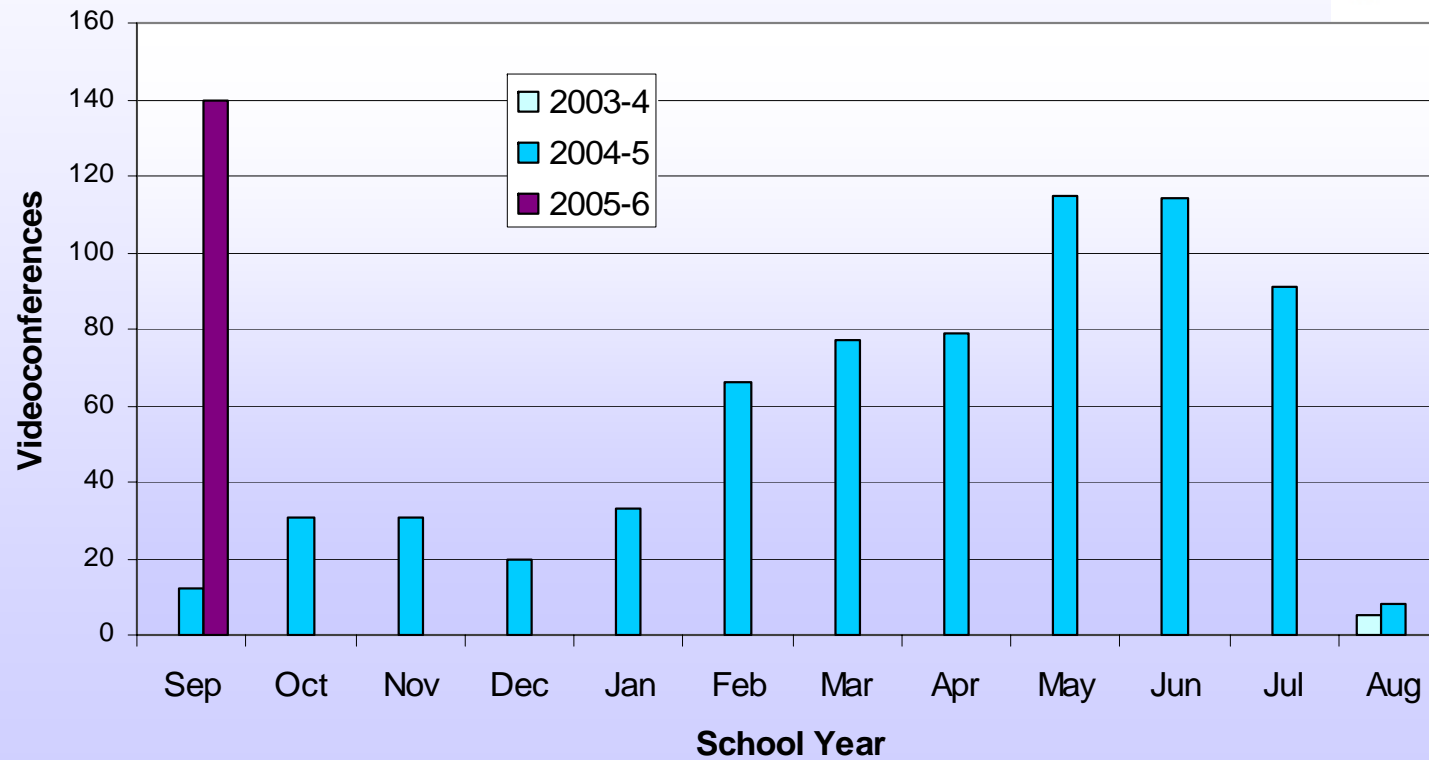


Registration with JVCS





Videoconferencing via JVCS





The Future



There is a rapidly growing demand for *international collaboration* between schools.

Schools also want to *collaborate with Universities and Colleges*, as part of the transition process and to receive *expert lectures*.

There is a wealth of *high quality educational content* becoming available to schools via videoconferencing.

We are helping to enable this, while keeping an eye on the *standards* and the *quality* issues, especially relating to the *safety* and *security* of our schoolchildren.



Challenges



- Content Providers
 - Connectivity
 - National Education Network (JANET) connections
 - For delivering educational materials, especially via *videoconferencing*
 - Use of the JVCS from August 2006
- Content Access Service
 - Synergy between the needs of Universities, Colleges, Schools and Educational Content Providers
 - Development of Authentication and Authorisation
- International Collaboration
 - Especially European schools
- *Responding to the needs of the School Sector*



Further Information



UK Videoconferencing Services Project

www.ja.net/community/schools/vc/

Videoconferencing Services Pilot – Final Report, other documents

www.ja.net/community/schools/vcsp/

Videoconferencing guidance document for Schools

getconnected.ngfl.gov.uk/index.php?s=network

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