

# SchoolCast

## Applications: Distance Learning



*"The planned schools network in Ireland offers an opportunity for 'Centralised hosting and delivery of curriculum-related digital content and applications'. This presents the opportunity to build to a position where digital content is delivered in a planned or on-demand manner by servers such as Scoilnet."*

*Schools Broadband Connectivity Study – Final Report to the Department of Education and Science, Ireland, by Datamet International July 2003*



### PRIME CONTRACTOR:

ATiT Ireland  
New Lodge  
Garristown  
Co. Dublin  
Ireland  
<http://www.atit.ie>

### CONTACT ATiT:

Sally Reynolds  
Project Manager  
E-mail: [Sally.Reynolds@atit.ie](mailto:Sally.Reynolds@atit.ie)  
Phone: +32 16 284 040  
Fax: +32 16 223 743

### PROJECT PARTNERS:

Web-Sat (Ireland)  
Intel IT Innovation Centre (Ireland)  
GCS- Global Communication & Services (Austria)  
NCTE (Ireland)  
HEAnet (Ireland)

### PROFILE:

SchoolCast is a pilot content delivery system aimed at the compulsory schools environment. It is partially funded by the European Space Agency under the Telecom's Multimedia Programme. The intention is to pilot test the SchoolCast system in schools in Ireland with a view to its take-up as a sustainable commercial service, and to prove the overall validity of the proposed delivery service, which is based on satellite communications.

SchoolCast plans to design and implement a pilot service to transmit a variety of multimedia files (internet, video, audio, image) to 10 or more schools using a 2-way satellite infrastructure, and cache the files on the school server for fast local access. The pilot will validate the service also on high bandwidth terrestrial multicast networks through the collaboration of HEAnet.

The content delivery system is a combination of technologies and human procedures that support the management and the process of selection, validation, aggregation, scheduling and booking of the transmission of content, as well as the verification of reception and access to the content on the client side. This complete system is called the Content Delivery Service SchoolCast.