BROADBAND AND SATELLITE COMMUNICATIONS IN SCHOOLS

CHALLENGES AND OPPORTUNITIES FOR THE EDUCATIONAL COMMUNITY IN RURAL AREAS

PROGRAMME

ARGYROUPOLI, GREECE
14, 15, & 16 OCTOBER 2005

CO-ORGANIZED BY:
Welcome

Friday 14/10/2005

18.00-18.30 Welcome
18.30-19.00 Salutations by officials
19.00-20.30 Opening session
Chair: C. Bouras, University of Patras-CTI

Broadband and satellite communications in schools: challenges and opportunities for the educational community in rural areas. C. Tsioakidis, University of Aegae.

The hundred-dollar laptop: access to knowledge for the world’s children. M. Bletsas, MIT Media Lab.

The market of satellite broadband services in Europe. M. Sotiriou, Q-Plan S.A.

20.30 Reception

Saturday 15/10/2005

09.30-11.10 1st morning session: “Satellite broadband telecommunications in education”
Chair: E. Tsalaki, Hellinikon Telecommunications Organisation

From MUSE to ZEUS and RURAL WINGS. S. Dafniou, Ellinogermaniki Agogi.

Two-way satellite services for remote schools: the RURAL WINGS project. N. Uzunoglu, National Technical University of Athens.

Satellite services according to the DVB-RCS standard: Breaking the isolation of teachers and students in remote schools. D. Katzipliantis, Hellenic Aerospace Industry.

Advanced learning management systems for distance education. Th. Tsalapatis, Athens Information Technology.

Satellite services for distance training: user’s experiences in a remote multigrade school. M. Loumari, Primary School of Aigial in Amorgos.

11.10-11.30 Coffee break

11.30-13.30 2nd morning session: “Multigrade schools: challenges and perspectives”
Chair: F. Schoeppermann, Observatory of Research on Innovation in Education

Multigrade schools and the NEMED European network. C. Tsioakidis, University of Aegae.


ICT and pedagogic innovation: approaches from Spanish multigrade schools. M. Barajas, R. Boix, S. Silvestre, University of Barcelona.


Experiences from a remote multigrade school in the Aegaean Sea. Rvd. Kallinikos Mavrileon, Primary School of Pylos in Karpasia.

Evaluation and standardization of procedures in distance training for teachers in multigrade schools. M. Sotiriou, G. Georgiadis, Q-Plan S.A.

13.30-14.30 Light lunch

14.30-15.30 1st afternoon session: “Opportunities for the participation of schools in European Programmes and Initiatives”
Chair: S. Sotiriou, Ellinogermaniki Agogi

European Programmes and Initiatives for schools: examples of good practice from the Comenius Action of the Socrates Programme. L. Papastefanou, State Scholarships Foundation.

“Solar energy: information & action” A Comenius project involving schools from five European countries. N. Tsangiotis, 9th Primary School of Retymno.

The experiences of a multigrade school from its participation in the Comenius action. J. Vosadekis, Primary School of Monodendri in Zagora-Ioannina.

15.30-17.10 2nd afternoon session: “Teaching through ICT: subject areas”
Chair: C. Tsioakidis, University of Aegae

Creating multimedia software for the subject of Language in primary education. V. Efthopoulos, M. Dimas, University of Thessaloniki.

The history of cinema as an object for dramatic action: an interactive meeting on the stage, on the cloth and on the screen. G. Kakouktis, PhD stud., University of Athens, with the collaboration of E. Piskakis and A. Dikonomakos.


The teaching of music to children of 8-10 years through the use of new technologies, and its effect on their attitudes to Greek music tradition. K. Niniospolis, PhD stud., Ionio University.

17.10-17.30 Coffee break

P. Anastasiadi, G. Spirtidoulis, University of Crete

18.45-19.00 Presentation of honorary awards
Sunday 16/10/2005

09.30-11.30 1st morning session: "Broadband infrastructures for education"
Chair: A. Tsalgout, PhD stud., University of Aigean

Broadband: what is it and what are we doing? C. Boursis, University of Patras-CTI.
Broadband: luxury or a survival condition for the school network? M. Paraskevas,
Greek School Network.
Satellite services for distance training of teachers in remote areas. S. Bithas, T.
Peilias, INTACOM.

Design and development of public key infrastructure in the school network. T.
Tsalas, G. Steligidis, University of Macedonia.
Broadband in education: yes, but why? The role of educational design. P. Koukouris,
Ellinogermaniki Agogi.

11.30-11.50 Coffee break

11.50-13.50 2nd morning session: "Distance and Adult Education"
Chair: M. Antonopoulou, postgrad. stud., University of Athens

From teaching IT in Adult Education Centres, to ICT literacy for adults through e-
learning. G. Sagias, K. Sassoikos, General Secretary for Adult Education.
Adult education in ICT for teachers. M. Glompedakis, Technological Higher
Education Establishment of Athens.
Distance educator’s profile. P. Kakarousta, PhD stud., University of Athens.
Teaching ICT in Second Chance Schools. O. Kougkoucoukis, Second Chance
School of Agrinio. F. Lazarinis, Technological Higher Education Establishment of
Mesorongi.
Computers and internet technology. G. Res. 3rd Primary School of Chios.
Adapting an open source Learning Management System to modern e-learning
needs. the cases of Dokesos. T. Mastoros. A. Mambiras, University of Macedonia.

13.50-14.40 Light lunch

14.40-17.00 1st afternoon session: "Teaching in the subject areas through ICT: cross-curricular approaches"
Chair: N. Chamos, 2H Primary School of Karabini - postgrad. stud., Greek Open University.

A cross-curricular approach of teaching science in the primary school. M.
Apostolakis, Ellinogermaniki Agogi.
Contemporary learning theories in the design and development of educational
software for Religious Education in the lower secondary school. V. Mitropoulou, C.
Vasilopoulos, University of Thessaloniki, A. Kapits.
Design and implementation of educational scenarios through the use of exploratory
software. N. Arvanitis, postgrad. stud., University of Athens.
The contribution of virtual reality in the study of natural science in school. V.
Drougas, Training Institute of EKDO-Technological Higher Education Establishment of
Epirus.
Teaching approaches and ICT for the teaching of Geography in primary education.
M. Tsitsipis, M. Karatziou, K. Koutoumpoulous, National Technical University of
Athens.
The use of ICT in the application of health education programmes. T. Kaklamantis,
Directorate of Health.
A methodological teaching approach for searching information in the web. F. Lazarinis,
Technological Higher Education Establishment of Messolongi.

17.00-17.20 Coffee break

17.20-18.00 2nd afternoon session: "ICT and education: special cases" Chair: F. Gousis, EEEP-DITE

Presentation of the multilingual Phonological Awareness Assistance Tool – PAMAT.
P. Makri, Cyprus Ministry of Education and Culture.
A modern approach to school administration through the use of new technologies:
software supporting educational management. G. Filippos, M. Antonopoulou,
postgrad. stud., A. Tsalgout, PhD stud., University of Athens.

18.00-18.30 Conclusions – Conference end

18.30-19.00 Issuing of certificates of participation

Poster Announcements
Study of students’ access to new technologies in their immediate family context in
relation to school attainment and gender. V. Drougas, Training Institute of EKDO-
Technological Higher Education Establishment of Epirus, A. Moraiti, Greek Open University.
Effect of ICT on students’ attainment: an experimental approach. M.
Paraskevopoulos, PhD stud., Pantho University, A. Bittas, 2nd Primary School of
Patras.

Educational Software Presentations
1) Thermal-sources-life-sources. 2) Bio and conventional farming,a comparative
approach, 3) Road safety. S. Chatziliis.
Musical world (DVD-ROM), K. Neopoulou, PhD stud., Ionio University.
An e-Learning approach of the technique of Byzantine art for the last decades of
primary school (educational software development). A. Alexiou, Mpf, University of
Manchester.
Special education software. P. Pavlidis, Special Education School of Veria.
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