SUB-PROGRAMME 6:
ICT/GIS for sustainable rural development

TOPIC:
DESIGN AND DEVELOPMENT OF INTERACTIVE MULTIMEDIA CD-ROMs FOR RURAL SECONDARY SCHOOLS IN UGANDA

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ABSTRACT
The paper discusses the design and development of interactive multimedia CD-ROMs for advanced-level secondary school Physics and Mathematics for use by the disadvantaged rural female students in the rural district of Arua. Multimedia content of the CD-ROMs was developed at a Workshop of advanced level secondary school Physics and Mathematics teachers from the district in September, 2005. The Interface design and production of the two CD-ROMs (one for each subject) were made after some 'trade offs' and are being tested in the two girls' schools in Arua: Muni and Ediofe. It is expected that their use by the female students will result in improved performance in national examinations. This is the first successful case of advanced level course content being delivered to students using CD-ROMs that were locally developed based on the Ugandan curriculum. It is also a successful application of ICT in women empowerment.

Keywords: Interactive. Multimedia. CD-ROMs. Physics. Mathematics. Rural. Secondary School. Uganda. Poverty