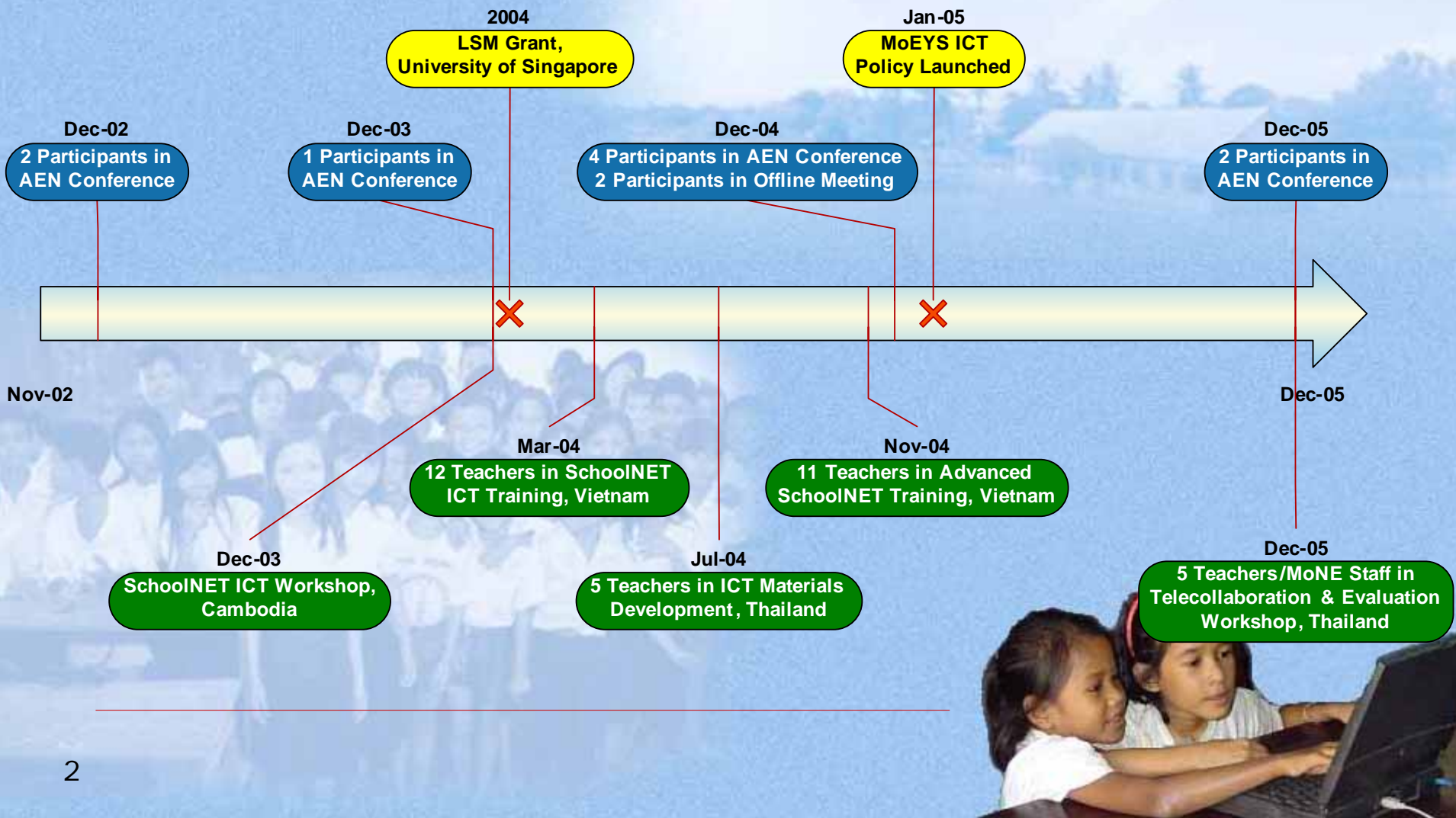# ICT in Education in Cambodia

Presentation at AEN Conference, Japan, December 16, 2004

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Ministry of Education, Youth and Sport

Cambodia

Overview of ICT in Education Progress

2004
LSM Grant, University of Singapore

Jan-05
MoEYS ICT Policy Launched

Dec-02
2 Participants in AEN Conference

Dec-03
1 Participants in AEN Conference

Dec-04
4 Participants in AEN Conference
2 Participants in Offline Meeting

Dec-05
2 Participants in AEN Conference

Nov-02

Dec-05

Mar-04
12 Teachers in SchoolNET ICT Training, Vietnam

Nov-04
11 Teachers in Advanced SchoolNET Training, Vietnam

Dec-03
SchoolNET ICT Workshop, Cambodia

Jul-04
5 Teachers in ICT Materials Development, Thailand

Dec-05
5 Teachers/MoNE Staff in Telecollaboration & Evaluation Workshop, Thailand

ICT in Education Policy

☐ Provide access to ICT for all teachers and students, especially at secondary level

☐ To enrich the teaching and learning of the national curriculum through application of ICT as a learning tool and for accessing information, knowledge, skills and information.

ICT in Education Policy

☐ Promote education for all and life long learning through equitable access to distance and self learning, supported by integrated ICT and traditional media.

☐ Increase productivity, efficiency and effectiveness of education management through the development of ICT based management support systems.

ICT in Education Strategies

- ☐ Develop human resources
- ☐ Expand hardware and infrastructure
- ☐ Develop local content and use of open source software
- ☐ Expand use of ICT in schools
- ☐ Develop knowledge management systems
- ☐ Apply ICT for open schools, distance education and Universities
- ☐ Nurture public/private and regional partnerships and cooperation

e-Learning in Cambodia

- ☐ Limited compliance with SCORM due to early stage of e-Learning adoption in Cambodia
- ☐ Limited provision of e-Learning opportunities due to uncertain demand and resource constraints
- ☐ Low sales within e-Learning industry due to early stage of adoption
- ☐ Cambodia committed to strengthening the role of e-Learning, with ongoing participation in AEN conferences in workshops, with 4 core staff regularly attending

e-Learning Dissemination

- ☐ International Institute of Cambodia now offers distance e-Learning.
- ☐ 5 undergraduate courses now available online
- ☐ Study from anyway in Cambodia supported by the implementation of 22 Community Implementation Centers
- ☐ Developed in partnership with USAID and the Asia Foundation

e-Learning Development: Issues & Constraints

☐ Limited use of e-Learning as a means of delivery of education (e.g. only IIC currently offers)

☐ Need to provide incentives to encourage H.E. providers to develop e-Learning (e.g. access to national ICT development fund)

☐ Limited technical capacity to support broad-based move towards e-Learning (e.g. strong competition amongst institutions for limited human resources)

☐ Limited resources and a strong private sector means Government must take a more enabling role rather than support "supply-side" role (e.g. developing effective regulations and incentives)

Responding to AEN

- ☐ Cambodia is committed to adopting lessons learned from AEN
- ☐ Participation in AEN activities is informing rolling ICT policy and strategy development in Cambodia
- ☐ AEN lessons learned is guiding ICT project/program goals and objectives
- ☐ Stimulating greater demand for e-Learning is required ahead of adoption of SCORM and LSM technologies

AEN Forward Look: Opportunities

- ☐ Need stronger institutional links in order to stimulate e-Learning capacity development in higher education (e.g. between Cambodian universities and those in other countries in the region)

- ☐ Need for effective technical partnerships with regional institutions to enable e-Learning technology transfer alongside local language content development

- ☐ Need for learning partnerships that enable Cambodian institutions to deliver content from regional institutions and stimulate local competition and demand for e-Learning

ICT Spotlight: SchoolNet

- During 2004/05 a cadre of specialist ICT teachers and curriculum developers trained in regional and national workshops
- National workshops on needs assessment of ICT materials in support of Maths, Science and Language curriculum in secondary schools
- Development of a range of lesson plans and related ICT materials in support of core subjects

ICT Spotlight: Management Information Systems

- ☐ Development of MoEYS financial management system
- ☐ Development of MoEYS human resource management information system
- ☐ Implementation of systems at provincial levels, alongside extensive capacity development and monitoring
- ☐ Development of consolidated, networked information systems at central levels

Forward Look

- ☐ Phased expansion of ICT facilities in primary and secondary schools
- ☐ Expansion and mainstreaming of ICT based resources for curriculum support, including resource centres
- ☐ Expansion of ICT infrastructure and information systems in district education offices
- ☐ Development of distance and e-learning support for higher education and life-long learning

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e-Learning in Cambodia

Thank You