SOI School on the Internet

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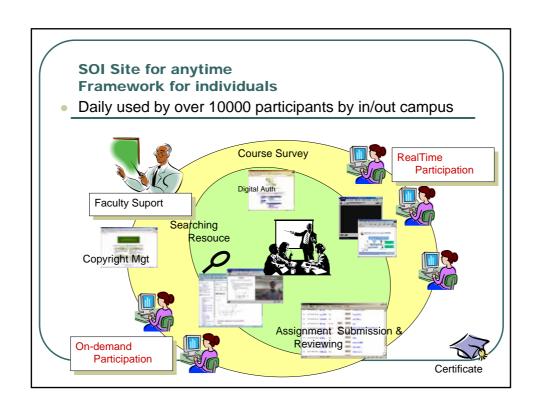
August 11th, 2005

SOI - School on the Internet

- To share the higher educational resources with people anytime
 - Researching the method to carry out the educational activities in university on the Internet.
- To share the higher educational opportunity with people anywhere
 - Researching the environment and technology to support the realtime educational communication over the Internet.
- To evaluate the concept
 - Using the real university courses and resources
 - Involving;
 - individuals who want to learn.
 - individuals/parties who are willing to donate the lectures.
 - universities who want to improve their education.
 - individuals/parties who have a motivation to educate people globally.

SOI Missions in WIDE Project

- Contents contribution by WIDE
 - By preserving and sharing the valuable educational resources in WIDE/Internet Community.
- Deployment of the Technology from WIDE
 - By using the technology as experimenter in between "researchers" and "users".
 - By demonstrating the social value of the technology.
- Deployment of Internet culture
 - By promoting the Internet as a vehicle of "Higher Education" to the non-or-little internet culture area.



SOI SITE - Snapshot as of today

- **PORTAL SITE**
 - SOI SITE: http://www.soi.wide.ad.jp/

 - Operated by apache, postgres, realserver, etc.
- **USERS**
 - Over 18,900 Registered participants
 - From high school students to retired business man
 - adult percentage : 60%
- Contents
 - In 250kbps realvideo and synchronized materials by SMIL technology
 - About 2000 hours of IT related lectures.

 - About 60 University courses.
 About 100 special lectures and tutorials.
- CONTRIBUTSION

 - About 10 universities
 Over 60 individual contributors from worldwide.

SOI Global Studio for anywhere

- Prototyping in 2002
 - Maryland, USA (Joint effort with FLA)
 - California, USA (Joint effort with NTT MCL)
- Standardization and Challenge in 2004-2005
 - California, USA (Joint effort with Digital Realty Trust formerly called eXchange)



Joint Course development among Universities

- Keio University
- Nara Advanced Institute of Science and Technology
- Kyoto University
- Waseda University
- Hiroshima City University
- Tokyo Denki University
- JAD in Malaysia
- University of Wisconsin



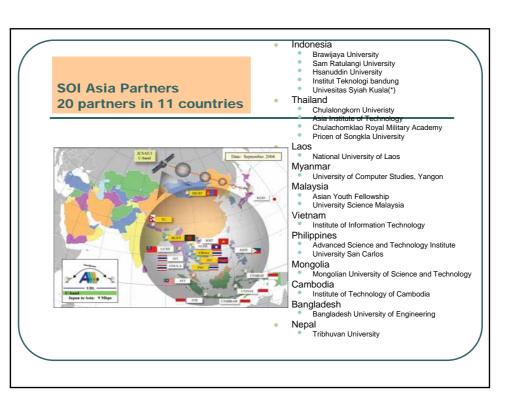
SOI-Asia

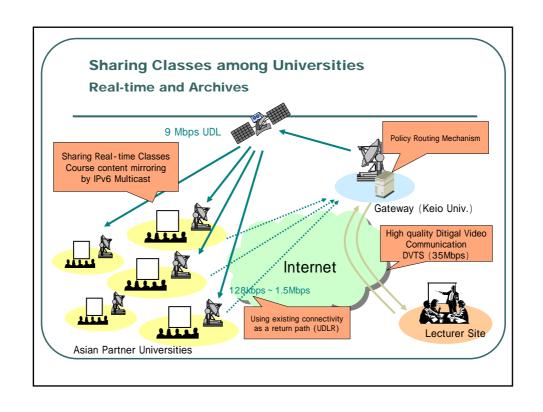
Global Educational Resource Sharing on the Internet

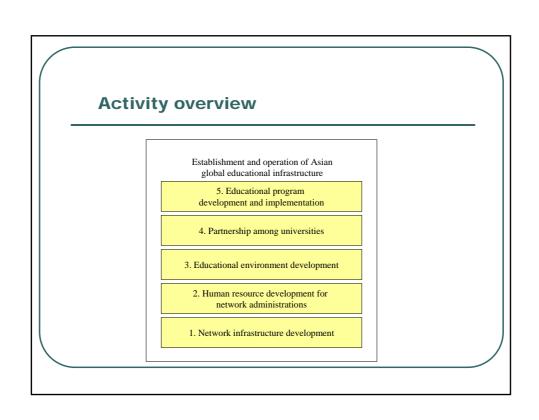
in Asia

SOI Asia goal and mission

- Goal
 - Establish the scheme for sustainable educational collaboration programs utilizing the IT among Asian Universities
- Mission
 - Establish the quality and stable platforms for the education
 - Deliver the quality courses for students in Asia
 - Achieve sustainability including cost model
- Technology
 - Satellite Internet over C-band (Al3)
 - RO satellite and UDLR technology (UDLR)
 - Multicast technology
 - Multicast streaming
 - IPv6
- Started from 2001 August



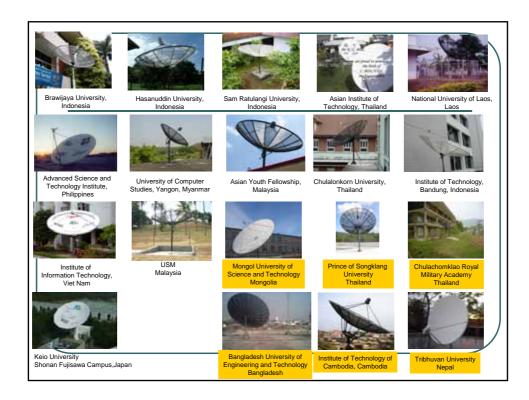






1. Network infrastructure development

- Achievement
 - Establishing the broad band Internet environment in by utilizing receive only satellite equipment and UDLR technology.
 - 9 Mbps downlink shared by RO sites
 - IPv4/IPv6 multicast enable to the RO sites
 - Implementing the sites in low coat and in short period
 - About \$1000 for setting up for 1 site.
 - About 3 months for everything.
 - Standard setup for better administration
 - Documentation
 - Equipment standardization
 - Network monitoring tools
 - 6 partners installation done in 2004.



2. Human resource developme for network administrations

- Achievement
 - SOI Asia Operators Workshop
 - Sep 2002 in Keio/Japan (21 participants)
 - Frb 2003 in AIT/Thailand (21 participants)
 - Aug 2004 in AIT/Thailand (14 participants)
 - Aug 2004 in ITB/Indonesia (13 participants)
 - APNIC Tutorial in Feb 2005
 - Monthly Operators Tutorial
- Future
 - Workshops in 2005 August @ Indonesia

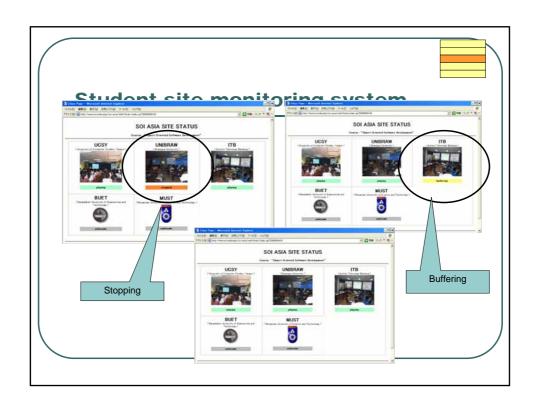
3. Educational environment development

- Designing learning environment
 - Portable lecturer site
 - Scalable student site
 - Flexible Gateway site
- Tools
 - MTM Multicast tree mirroring system
 - Student site monitoring system
 - Activity report system









4. Partnership among universities

Establishment of multi-lateral partnership and self-operating organization

- Achievement
 - Steering committee meeting twice a year, teleconference when needed
 - Procedure to share the curriculum
 - Gathering requests for educational contents
 - Agreement on schedules
 - New site policy
 - Steering Committee, Academic Committee, Operators Committee, Research Committee
- Working
 - Accreditation

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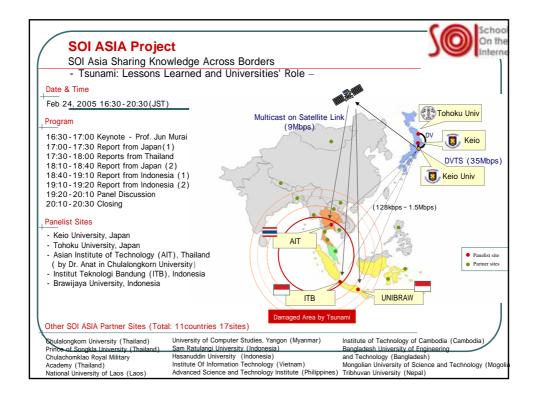
5. Educational program development and implementation

- Courses since Oct 2004
 - 2004 Sep ~ Oct Tokyo Marince Science and technology Advanced Marine Science and
 - technology 96 enrolled 40 Certificate
 - 2005 Jan ~ Mar Tohoku University 16 lectures of 「Bio Technology」
 - 115 enrolled 43 certificate -
 - 2004 Sep ~ 2005 Mar WIDE Project Advanced IT Course

 185 enrolled 、62 Certificate

 - 2005 Mar JAIST Object Oriented Software Development
 - 160 enrolled 76 certificate accredited in 1 Myanmar University
- Events since Oct 2004
 - Special Lectures by Nobel Lecturers from AIT

 Dec 2004 ~ March 2005 (about 10 lecs)
 - Rice Research Conference in Nov 4-7.
 - AYF session November 1st.
 - APNIC Tutorial
 - Tsunami Symposium on Feb 24
- Plan in 2005
 - $\bf 5$ faculty meetings, $\bf \, 6$ university courses, 1 Operators Workshop , 2 special courses and 3 special events are planning
 - Tsunami Special Lecture Series contributed by several academic societies.
 - Medical Course from University of Pierre Marie Curie to Universite des Sciences de la Sante du Cambodge



SOI Asia Special Symposium Sharing Knowledge Across Borders -Tsunami: Lessons Learned and Universities' Role -



SOI - School on the Interne Project Web Sites

- soi@wide.ad.jp
- SOI --- http://www.soi.wide.ad.jp/
- SOI Asia --- http://www.soi.wide.ad.jp/soi-asia/



