



HOKKAIDO UNIVERSITY

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**GLOBAL EDUCATION FOR
GLOBAL ISSUES**

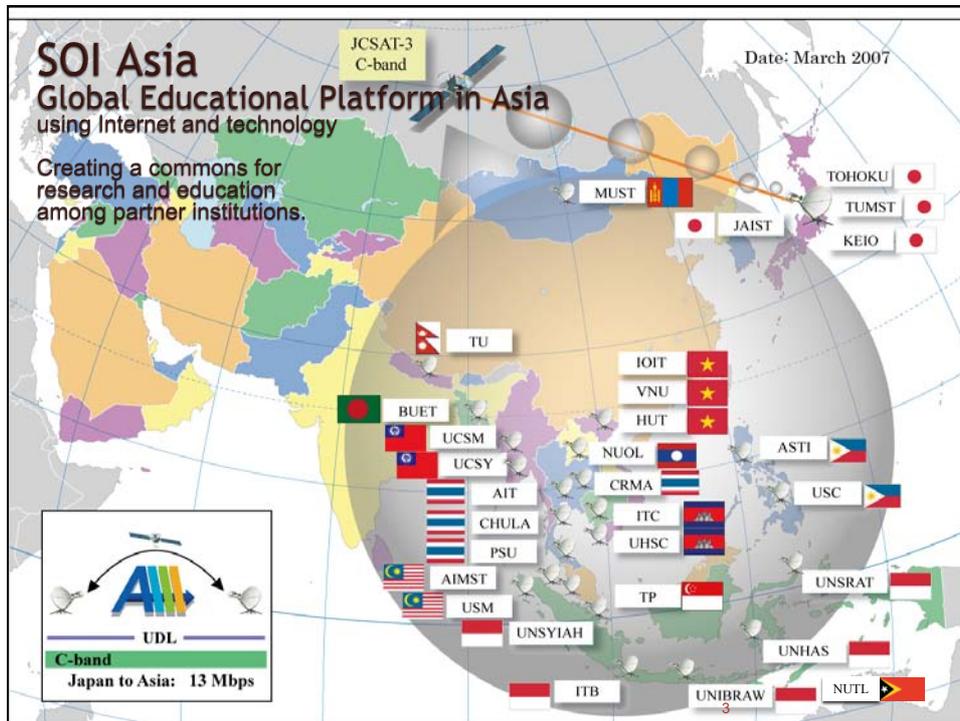
- LESSONS LEARNED FROM SOI ASIA PROJECT -

Keio University
Graduate School of Media design
Keiko Okawa
Oct 29, 2010



SOI ASIA

CREATING A PLATFORM FOR
SHARING KNOWLEDGE
BY UNIVERSITIES IN ASIA



SOI ASIA



- ◉ School on Internet Asia = SOI Asia
- ◉ Since 2001
- ◉ Partners:
 - 27 universities and institutions in Asia
 - 6 timezones
 - 11 counties
- ◉ Sharing knowledge and experience over the Internet among Asian universities and students using technology.

SOI ASIA : ORGANIZATION

- ◉ MoUs between 2 Universities, with SOI Asia Project Guidelines
- ◉ Steering Committee
 - Meeting twice a year
- ◉ Operators Committee
 - To maintain SOI Asia distance education environment including network, equipments and learning environment.
- ◉ Academic committee
 - To manage the SOI Asia Courses for local participants and contribute to the SOI Asia course planning for 2 academic years in ahead.

SOI ASIA

SCHOOL ON INTERNET ASIA



* Education *
Educational Programs for Global Issues



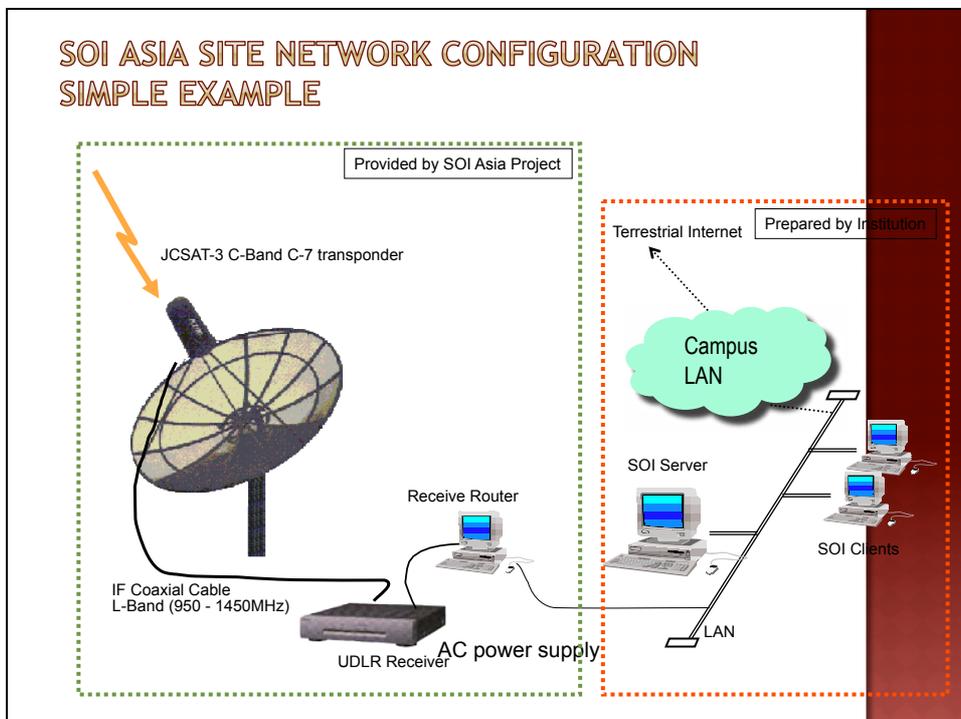
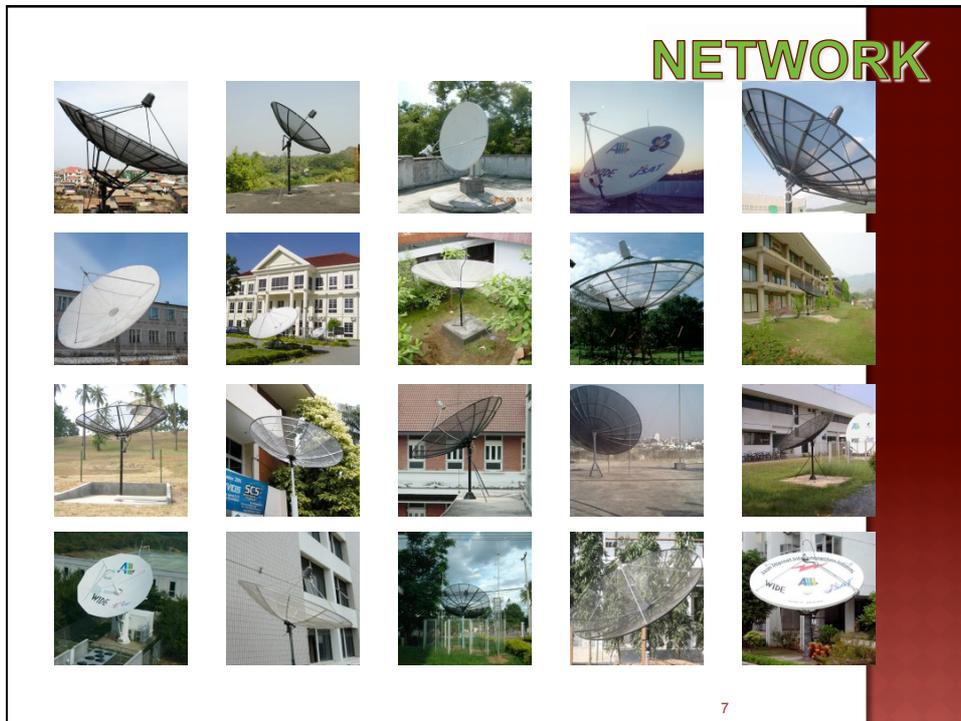
* APPLICATION *
Lecture Sharing Platform



* OPERATION *
Network Operation and Training



* NETWORK *
Network Development



NETWORKING TECHNOLOGIES

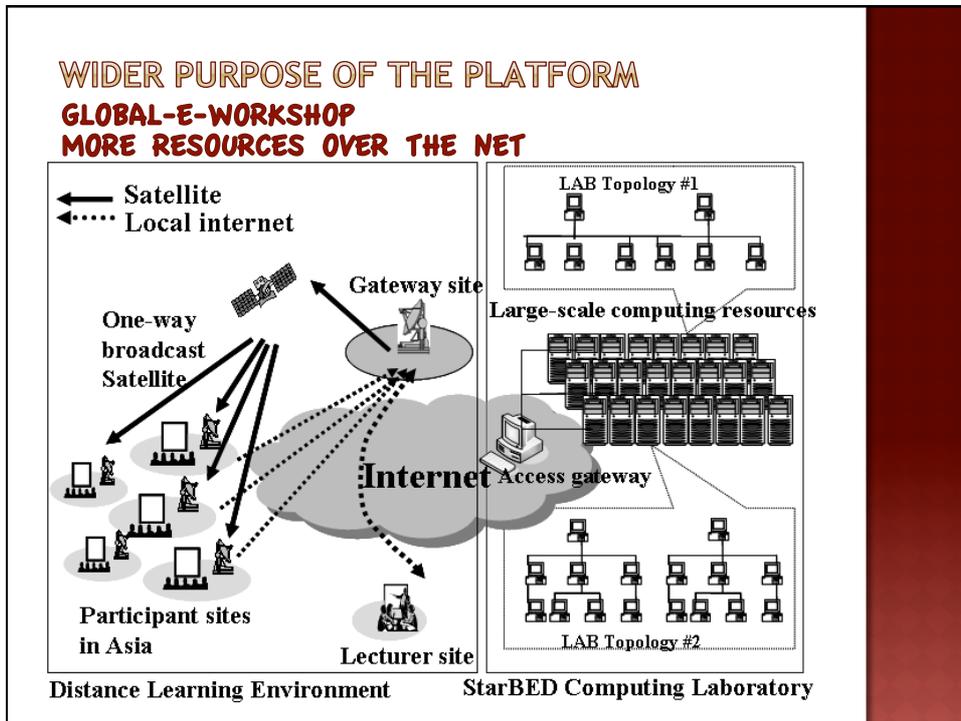
- ◉ Internet over Satellite to cover Asian region
- ◉ Dynamic satellite bandwidth allocation
- ◉ Asian wide IPv6 operation
- ◉ Multicast
- ◉ UDLR
- ◉ Policy Routing
- ◉ Tunneling and overlay



OPERATION

- ◉ Operators community building
- ◉ Workshops
- ◉ Online Training programs
- ◉ Internships





LEARN EACH OTHER, WORK TOGETHER

LECTURER SITE

UHSC, CAMBODIA	UCSY, MYANMAR	LivePresenter	University of Sains Malaysia, MALAYSIA
ASTI, PHILIPPINES	ITB, INDONESIA	NUOL, LAOS	UNSRAT, INDONESIA
UNSYIAH, INDONESIA	PSU, THAILAND	UNHAS, INDONESIA	UNIBRAW, INDONESIA

Windows Live Messenger 10:10:29 AM 10/10/2008

BUILDING A COMMUNITY



INTERNSHIPS

30 interns from 10 countries

Developing operators for the distance education environment, they will develop younger operators after the internship

- 1st batch :Jan – Apr 2006
 - Myanmar (USCY) / Indonesia (UNSRAT)
- 2nd batch :Mar – Jun
 - Laos (NUOL) / Nepal (TU)
- 3rd batch :May - Aug
 - Indonesia (UNIBRAW) / Bangladesh (BUET)
- 4th batch :Jul - Oct
 - Indonesia (ITB) / Cambodia (ITC)
- 5th batch :Sep - Dec
 - Indonesia (UNHAS) / Mongolia (MUST)
- 6th batch :Jan – Apr 2007
 - Indonesia (UNSYIAH) / Malaysia (USM)
- 7th batch: Jul-Oct
 - Indonesia (UNIBRAW) / Nepal (TU)
- 8th batch: Sep-Dec
 - Thailand (AIT) / Myanmar (USCY)
- 9th batch: May – Aug, 2008
 - Cambodia (UHSC) / Myanmar (UCSM)
- 10th batch: Sept-Dec, 2008
 - Malaysia (USM) / Vietnam (HUT)
- 11th batch: Jan – Apr, 2008
 - Malaysia (USM) / Indonesia (UB)
- 12th batch: Apr/May– July/Aug, 2009
 - PH (USC) / Thailand (PSU)
- 13th batch: Oct- Dec, 2009
 - Bangladesh (BUET) / Indonesia (UNSRAT)
- 14th batch: April-Aug, 2010
 - Mongolia (MUST) / Myanmar (USCY)
- 15th Batch: Sept-Dec, 2010
 - Indonesia (ITB) / Indonesia (UB)



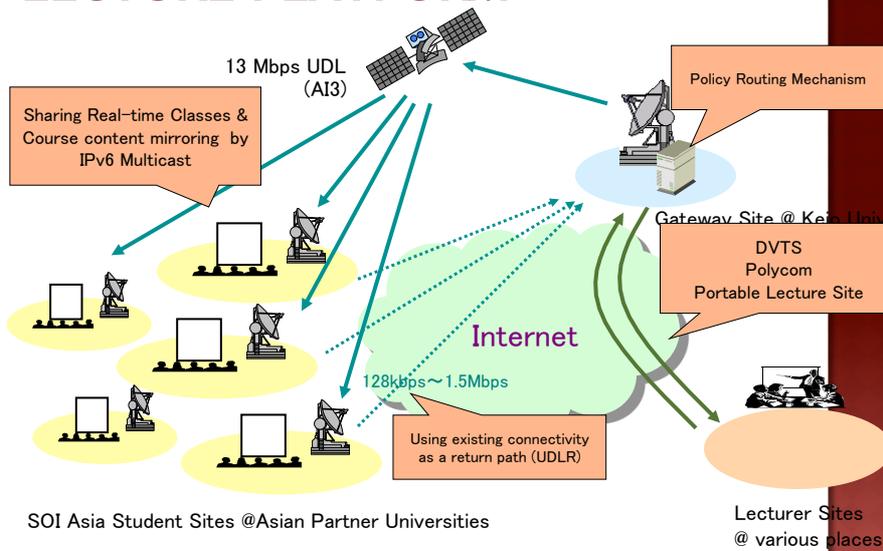
APPLICATION

- ◉ Video conferencing
- ◉ LMS
- ◉ HD video streaming
- ◉ Global-e-workshop platform
 - Virtual hands-on
 - More resource sharing



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LECTURE PLATFORM



Education

EDUCATIONAL PROGRAMS

- ◉ Global issues in all kinds of areas;
 - IT - IPv6, multicast, wireless, RFID, measurement, operation
 - Bio Science and Technology , Environment
 - Marine Science and Technology
 - Public Health - HIV & AIDS
 - Energy
 - Technology Transfer
 - Disaster Management and Recovery
 - Social Science - Asian Studies
 - Entrepreneurship, Capacity Building



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LECTURE RECEIVING ENVIRONMENT (SIMULTANEOUS LECTURE PARTICIPATION FROM DISTRIBUTED SITES)



Asian Institute of Technology
THAILAND



Institute of Technology, Bandung
INDONESIA



National University of Laos
LAOS



University of Computer Studies, Yangon
MYANMAR



SHARING LECTURES



GLOBAL DISCUSSION !



WITH ALL KINDS OF AGES



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TECHNOLOGY ENTREPRENEURSHIP INITIATIVE

- ◎ Education and support for entrepreneurs
 - Seminar for technology entrepreneurship, capacity building, grassroots innovation (UNESCO, Keio university etc)
 - University Course "Entrepreneurship and Business"
- ◎ Building the university platform for entrepreneur development
 - Workshop and training for university administrations
- ◎ Coordinated relationship with venture capitals
 - Annual Business Plan Contest since 2007
 - Matching support between university seed and venture capitals



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SOI ASIA

CREATING A PLATFORM FOR
SHARING KNOWLEDGE
AND COMMUNITY
BY UNIVERSITIES IN ASIA

COMMUNITY SOLVES PROBLEMS

- ◉ Supporting neighbors in disaster recovery
 - Sumatra Tsunami
 - Myanmar Cyclone
 - Bangladesh Cyclone
- ◉ Sharing Education beyond borders
 - Timor'leste
 - Aceh Area
- ◉ Bandwidth allocation for better infrastructure
- ◉ Bandwidth allocation in disaster situation

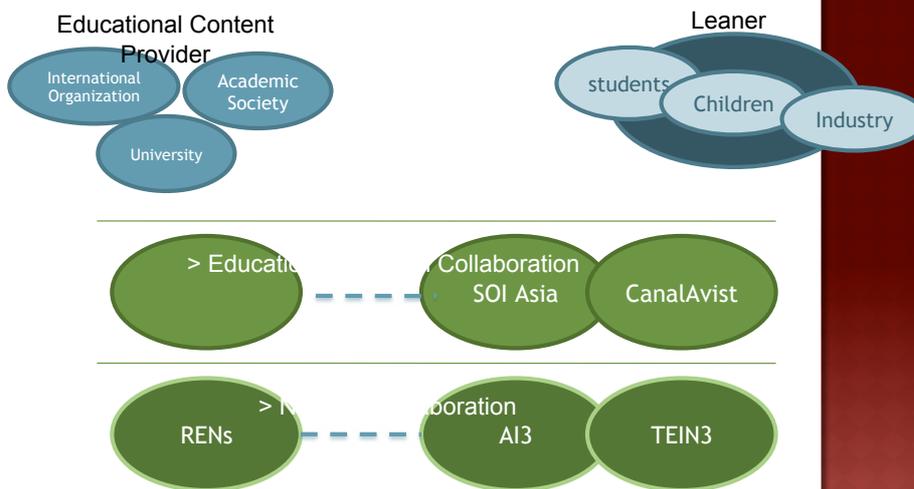
**NEW PARTNER
NATIONAL UNIVERSITY OF TIMOR LESTE
BY UNESCO & SOI ASIA**

- ◉ 2009 July - Phase I : Planning
- ◉ 2010 March - Phase II : Preparation and site setup
- ◉ 2010 July - Phase III Training
- ◉ 2010 Sept - Phase IV Operation

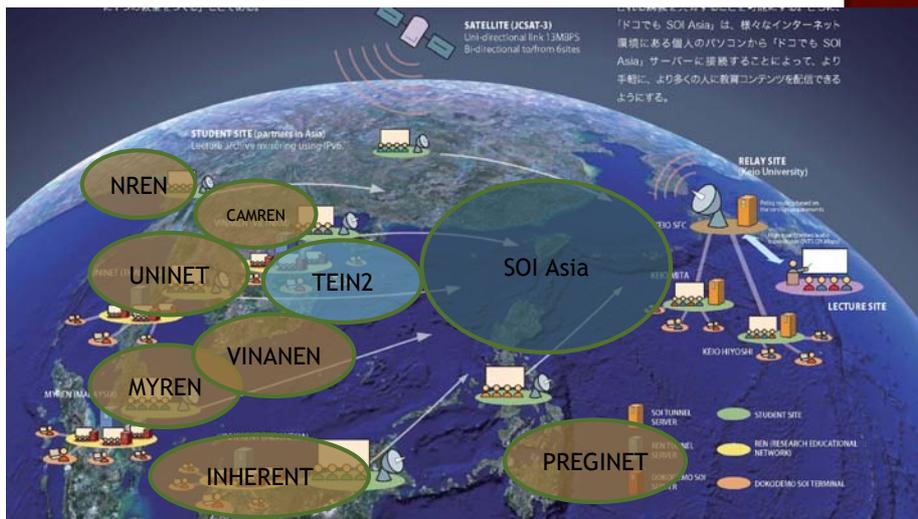


**SHARING KNOWLEDGE
BY UNIVERSITIES IN WIDER ASIA**

GLOBAL COLLABORATION FOR EDUCATION



WIDER COLLABORATIONS WITH N-RENS



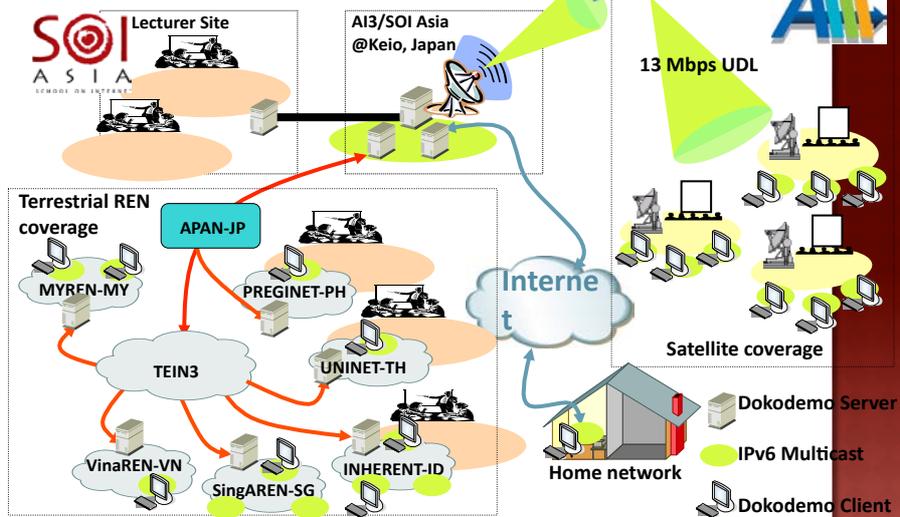
CONNECT-ASIA



Initial Members;

- School on Internet Asia (SOI Asia)
- Trans Eurasian Information Network (TEIN)
- Indonesian Higher Education and Research Network (INHERENT)
- Malaysia Research and Education Network (MYREN)
- Philippines Research Education and Government Information Network (PREGINET)
- Thai Inter University Network (UniNET)
- Organized by UNESCO Jakarta Office.

DOKODEMO SOI ASIA



DOKODEMO SOI ASIA TERMINAL

◉ Bootable Linux with SOI Asia applications

- LiveUSB Linux
- USB memory
- CD/DVD-ROM



◉ Requirements

- Recent PC
 - Laptop computer should be OK
 - Bootable from USB memory/CD/DVD
- Linux compatible
- Video & Audio equipments
- 13Mbps network for OpenVPN



SHARING **“BEYOND”** KNOWLEDGE
BY UNIVERSITIES
FOR SOCIETY IN ASIA

**EVEN SINGING
TOGETHER !**



**PERFORMING ARTS EDUCATION
ON THE GLOBAL SPACE - 2009 NOV, 2010 AUG**

- ◉ Connecting theatres in Asia
- ◉ Sharing “impression”
- ◉ Learning performing arts together
- ◉ Multi-streaming from the theatre to theaters in Asia



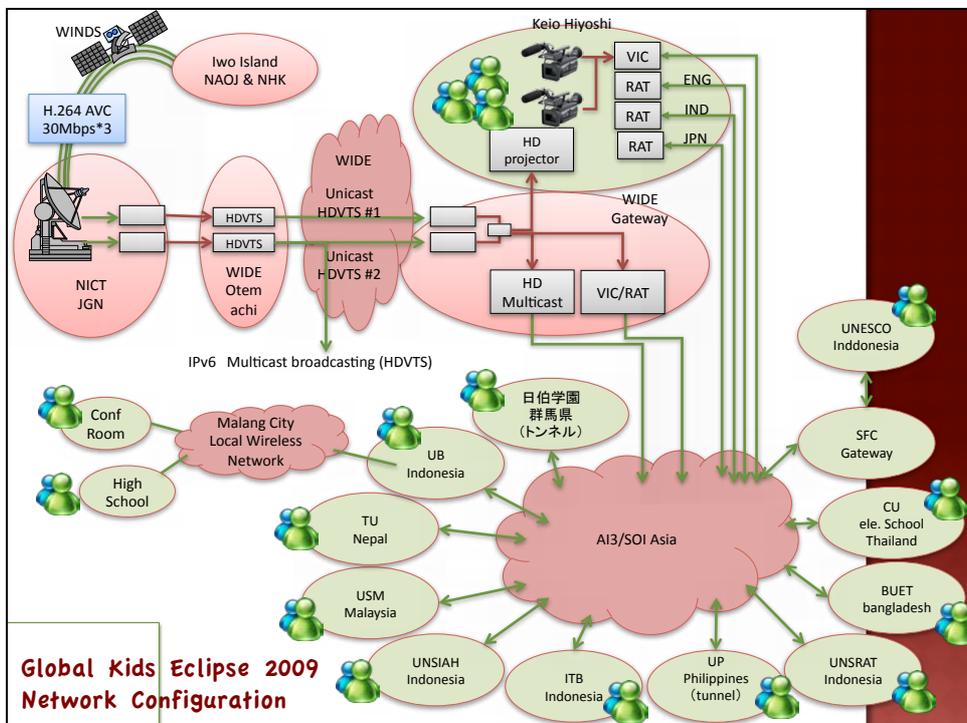
SHARING EXCITEMENT !!

2008.10.13
Astronaut gives a talk to Asian children

KEIO UNIV
日本 JAPAN
太平洋 the Pacific Ocean
タイ BANGKOK
PSU
マレーシア
UNIBR
インドネシア
2008.10.13
高度 4988.36 キロメートル
Google

Interpreters @ Japan

English
Indonesia
Thailand



EVEN KISSING !



GLOBAL EDUCATION FOR GLOBAL ISSUES

Thank you very much
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