Light Path To India

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IIT Japan Conference Nov. 15, 2007



WIDE

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Lambda Network for 2010 and beyond

Space Science, Astronomy
Environment, Energy
Medical Study • Health Management
ITER • High Energy Physics
Digital Cinema • New Digital Media
Sports (F1, Olympics)



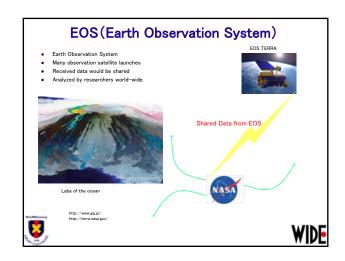
Science Research and R&E Network

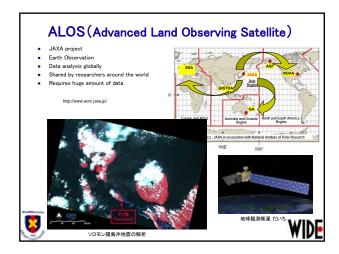
- Research and Educational Network
 - Infrastructure for Top-level Research and Education
 - 'Research Network' for Networking Research

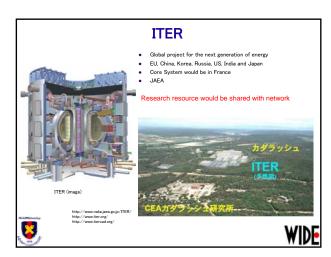


- Science Research requires the best network
 - EOS, ALOS, ITER, LHC, eVLBI, Education and Digital Cinema
- The best network has to be developed and operated
- Light path based network







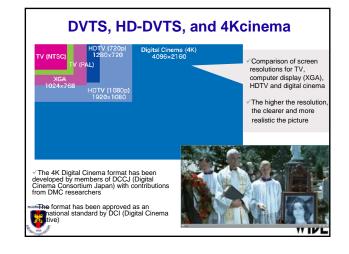


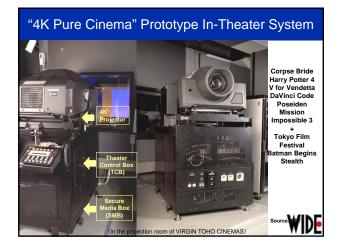




Media for Collaboration WIDE

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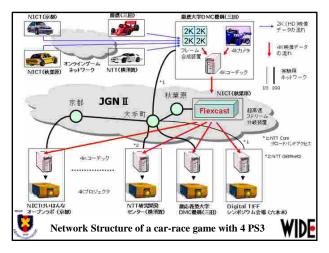






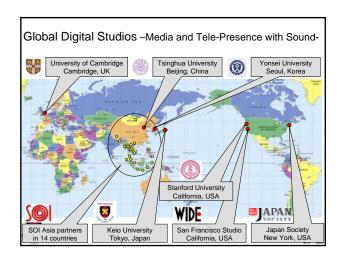


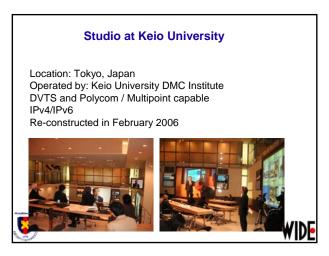




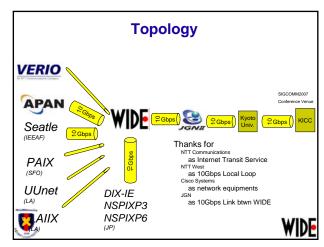


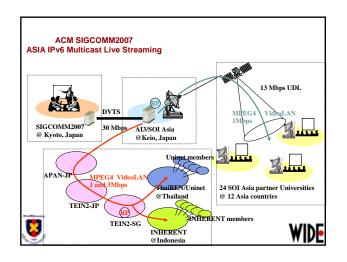


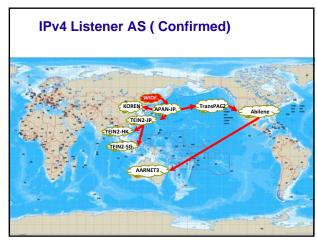


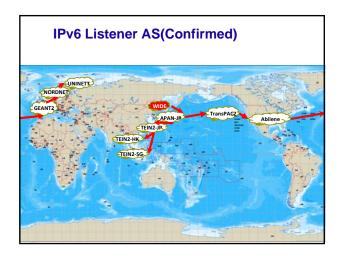














AI3 and SOI-ASIA

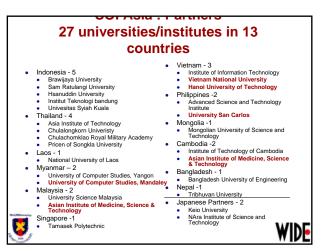
IPv6 multicast in All Asia everyday



WIDE







platform?

- Sharing Knowledge
 - · Sharing university lectures in real-time and archived.
 - Organizing seminars and symposiums
 - Helping remote participation to the international conference and seminars.
- Creating opportunity
 - for joint research
 - to study in Japan
- IT HRD
 - Workshops
 - Internships





Educational programs

- The project provided more than 20 graduate level courses consisting of more than 170 lecturers were provided by 9 universities in Japan, received by more than 1000 students in region wide. Some were accredited in universities.
- Lectures were delivered from 15 sites from Japan Indonesia, Malaysia, Thailand, Bangladesh and USA.
- Topics were selected based on the partners' requirement and academic committee are formed for each area.
 - Marine Science and Technology, Bio Technology, IT ...



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65 real-time sessions (special seminars, tutorials, streaming from conferences were shared.



Collaboration with NREN

- Sharing contents with more universities through each country's NREN.

 - Sharing contents with more universities through each country's NREN.
 Thailand
 Uninet (150 universities)
 Technical trial were successfully completed.
 Joint workshop held in June 2007.
 MoU between SOI Asia and Thailand government for Uninet collaboration is under preparation.
- onesia INHERENT (80 major universities, increasing)
- Technical trial are undergoing.
 A lot of demands from INHERENT universiti
 MoU between SOI Asia is under preparation

- etham
 VINAREN
 Technical setup has been done
 MOU signed up by 2 individual universities. More will come.

 """" he contents ar





Various Types of Collaborations

- Contents partners
- Providing more contents in wider area
- UNESCO

 - 3 courses were delivered in 2007 ITB, AIT, BUET delivered lectures Moure courses are planned in 2008
- Platform partners
- Sharing each other's contents for both community
- UNU/API through U of Hawaii
- Global Studio partners
 - Getting guest speakers around the world.





- · Sharing university lectures of global issues, global & local interests from Japan and other area, in real-time and archived.
- · Helping remote participation to the international conference and seminar.
- · Creating opportunity for joint research and studying in Japan.
- Training technical staffs at partner universities
- Developing the environment by ourselves





Al³ & SOI-Asia: IPv6 Operation Started from Nov 16, 2005

- 2004 July-Equipments readiness
- 2005 August-IPv6 Training at the WS
- 2005 Nov 16-IPv6 Operation started
- 2007 January Full SOI-ASIA applications are on IPv6
- 2007: IPv6 only network





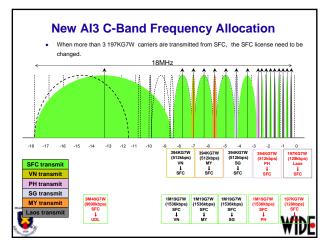
Human resource development for network administrations

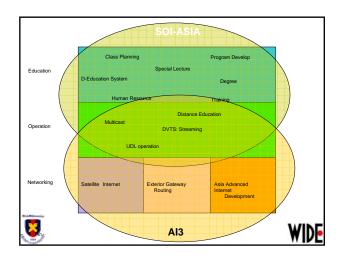
- 1st Workshop:
 First beginner's workshop for operators in 2002
- 2nd Workshop First advanced operator's workshop in 2003
- 3rd Workshop :
- First workshop for training workshop lecturers in 2004
- 4th Workshop : First local workshop in 2005
- 5th Workshop : Combination of beginners/advanced contents workshop in 2005
- 6th Workshop : First Global-e-Workshop in 2006
- 7th Workshop: First Workshop focusing on IPv6 in 2007

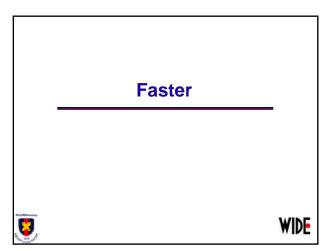


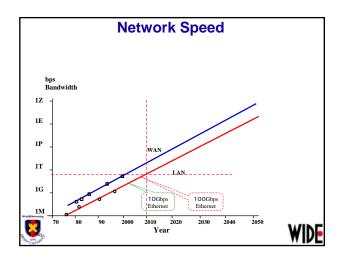


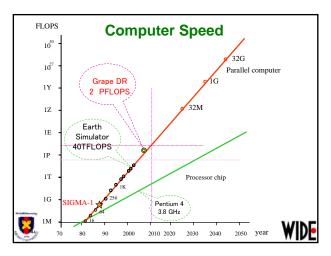


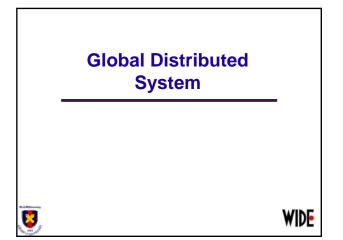


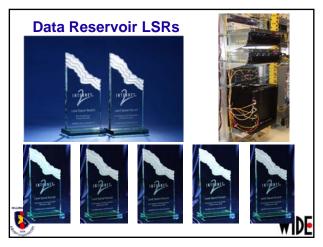




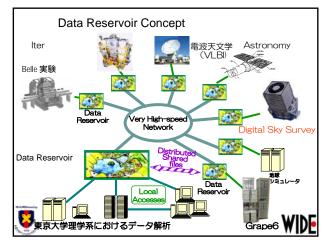


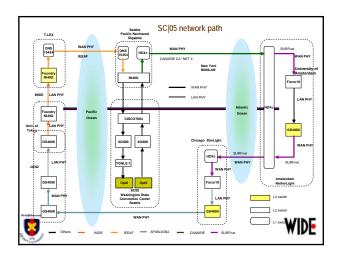




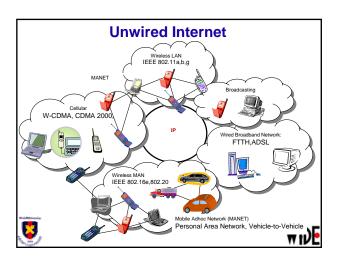


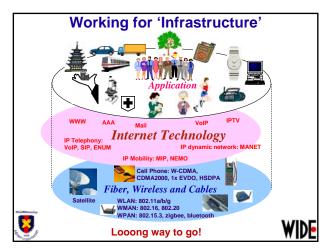


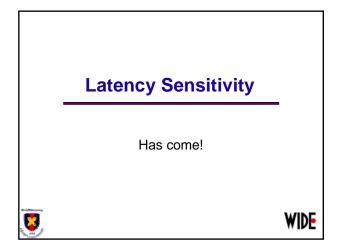




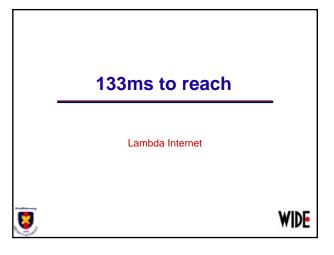




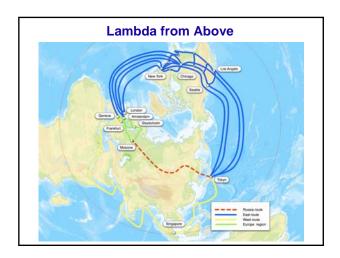


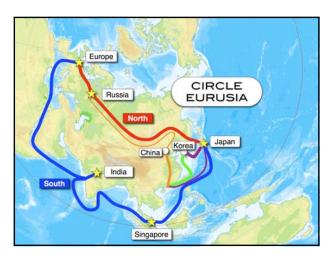












Light Path to India

- India-JP: 10Gbps
 India-EU: 10Gbps
- 3. Glif model lambda exchange in a city in India
- 4. Some major institute to connect to the exchange by 10Gbps
- 5. National High-speed Research and Education network development and operation





