

Update of NICT network

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- JGN II Japan – US connection
 10G from August 1, 2004
- APII
 - Japan – Korea (KJCN)
 1Gbps from April, 2003
 - Japan - China
 2.4 Gbps

Outline of JGN II Network

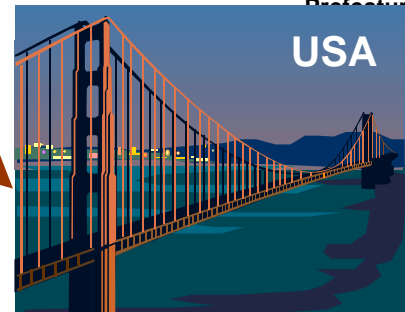


[Legends]

- 20Gbps
- 10Gbps
- 1Gbps
- Optical testbeds
- Nationwide access points
- Core network bases



* IX: Internet eXchange
AP: Access Point



Opening Ceremony of JGN II Tokyo-Chicago 10G Link on 1 August, 2004



PTC

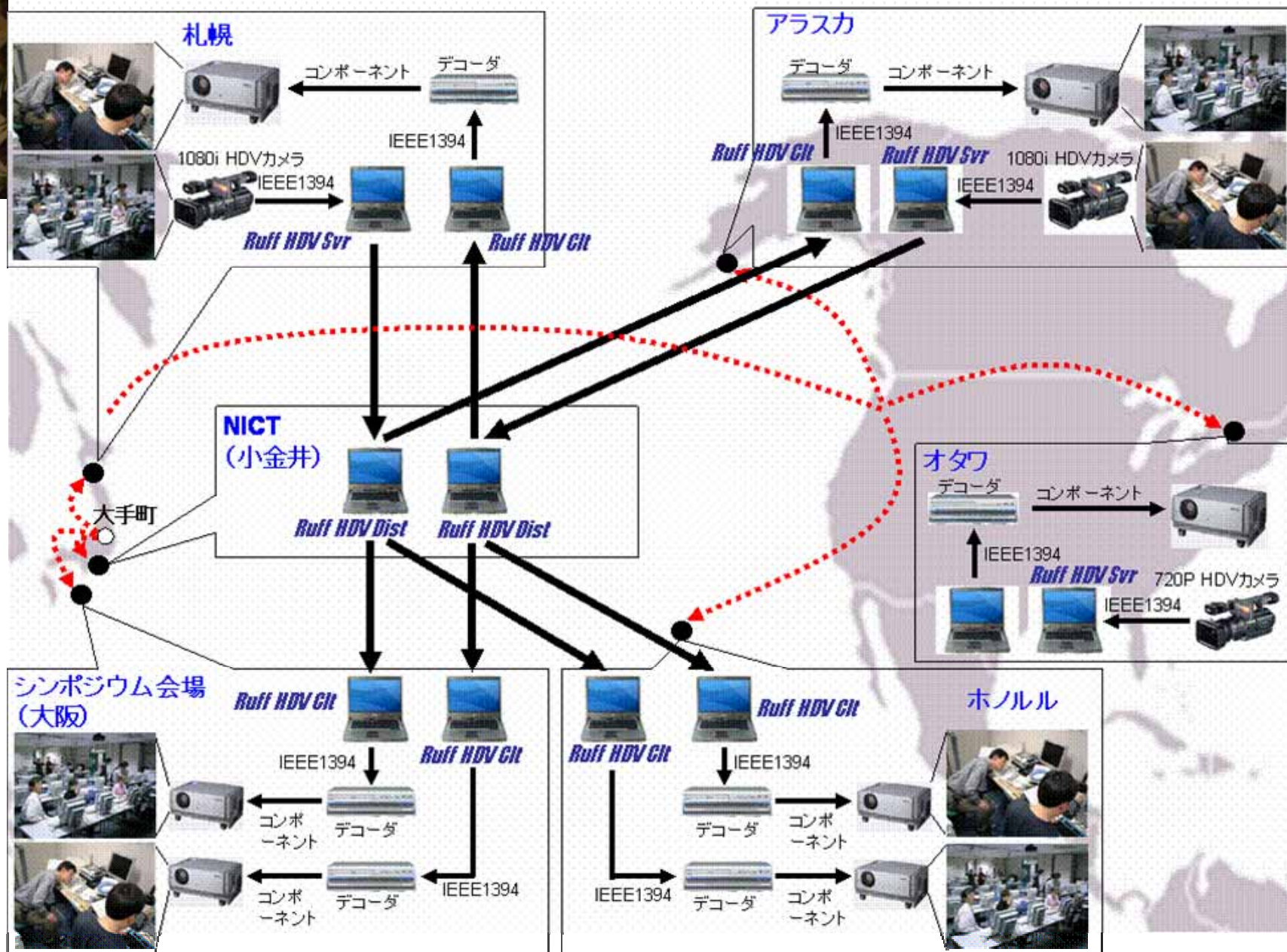
Broadband Playground



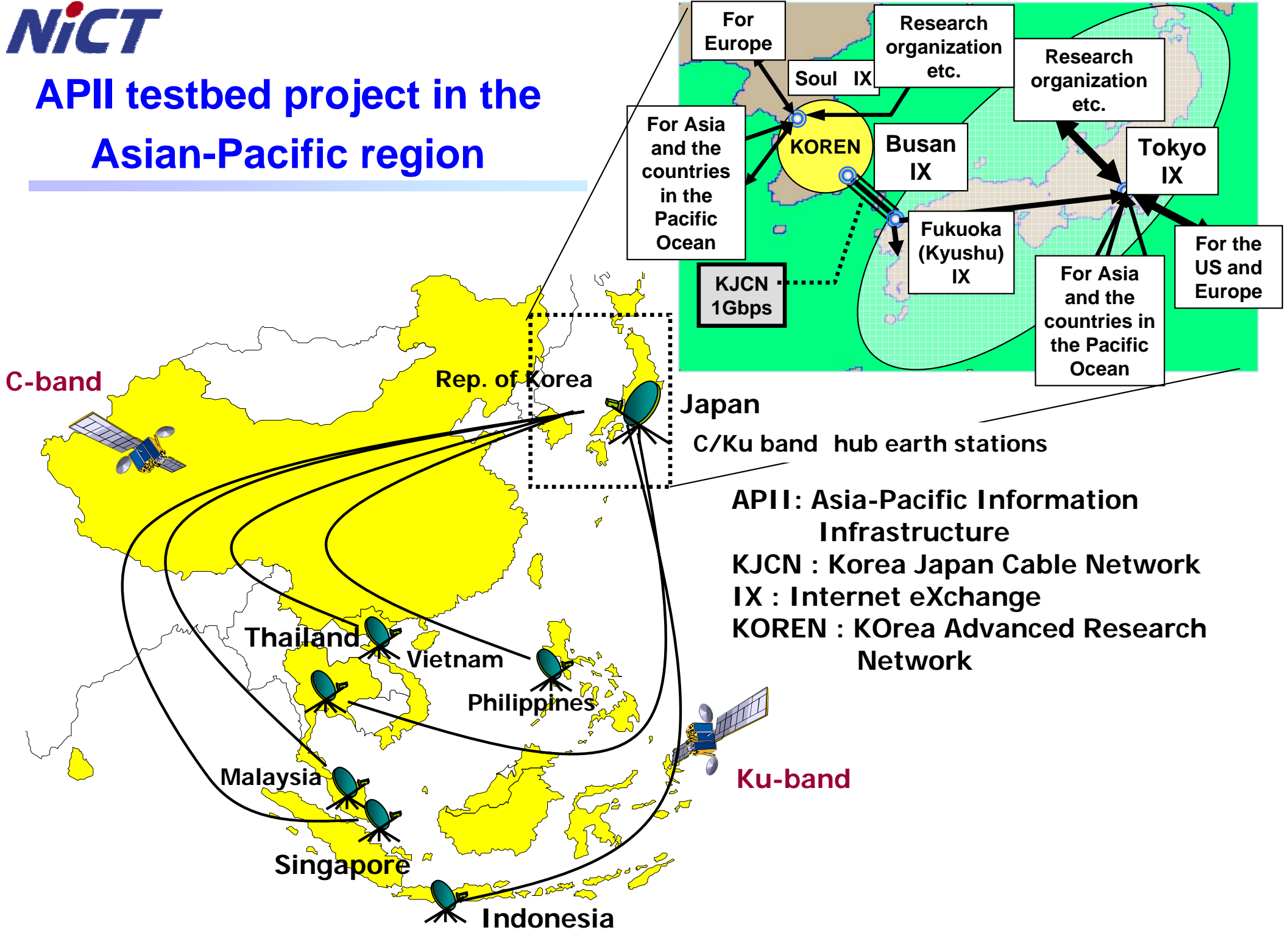
Connections

Demonstration for JGN II symposium and PTC'05

Multipoint connection using Ruff HDV systems at PTC'05(Hawaii 17-20 January, 2005)



APII testbed project in the Asian-Pacific region



JAPAN-KOREA-HAWAII/US joint demonstration



IPv4 Multicast
DVTS video server
(IPv6 unicast available)



Seoul

KOREN

APAN
Tokyo IX

JGN

QGPOP

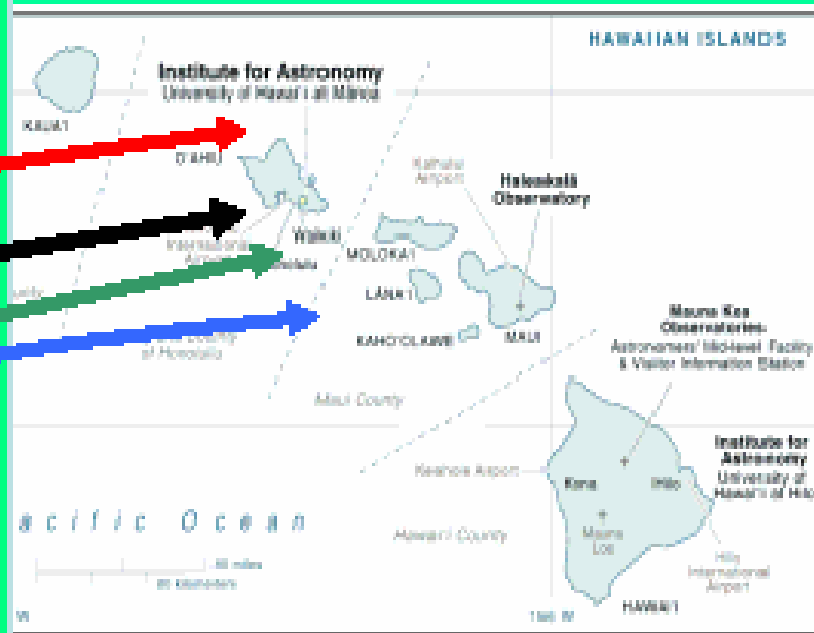
HDTV live streams

Japan-Korea APII testbed



Tokyo

Hawaii



IPv6 IP controlled model car race
IPv6 Ruff HDV system

APII Workshop 2005

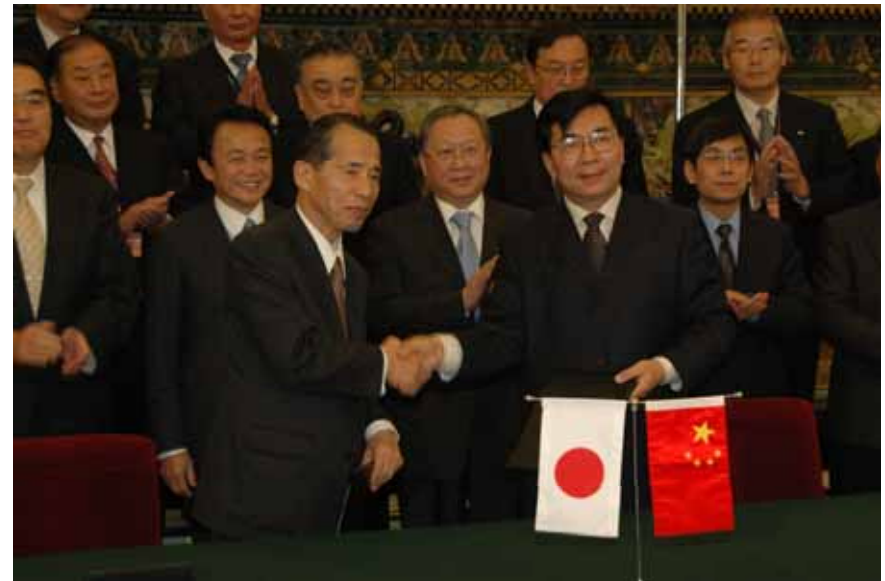
- Date 28-29 October, 2004
- Venue NICT Koganei HQ
- Organizer NICT, Japan & KISDI, Korea
- Supported by MIC, Japan & MIC, Korea
- Attendance : 86
17 (Korea), 21+43 (Japan)
- Guests 3 (China), 1(Thailand), 1 Singapore)



NICT has established formal collaboration agreements with Tsinghua University, CAS HQ, and CNIC of CAS, Rep. China.



MOA signing ceremony with Tsinghua University

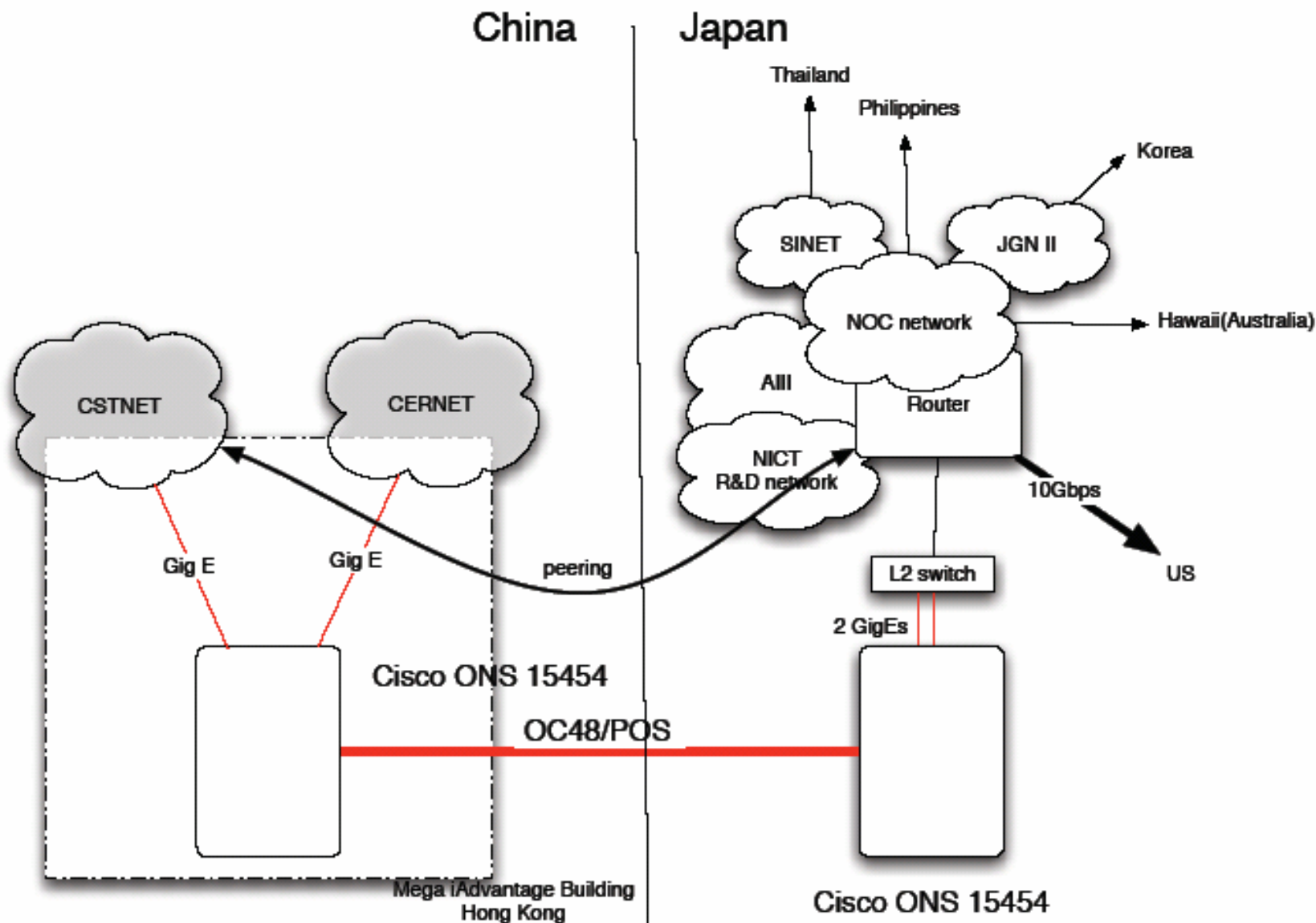


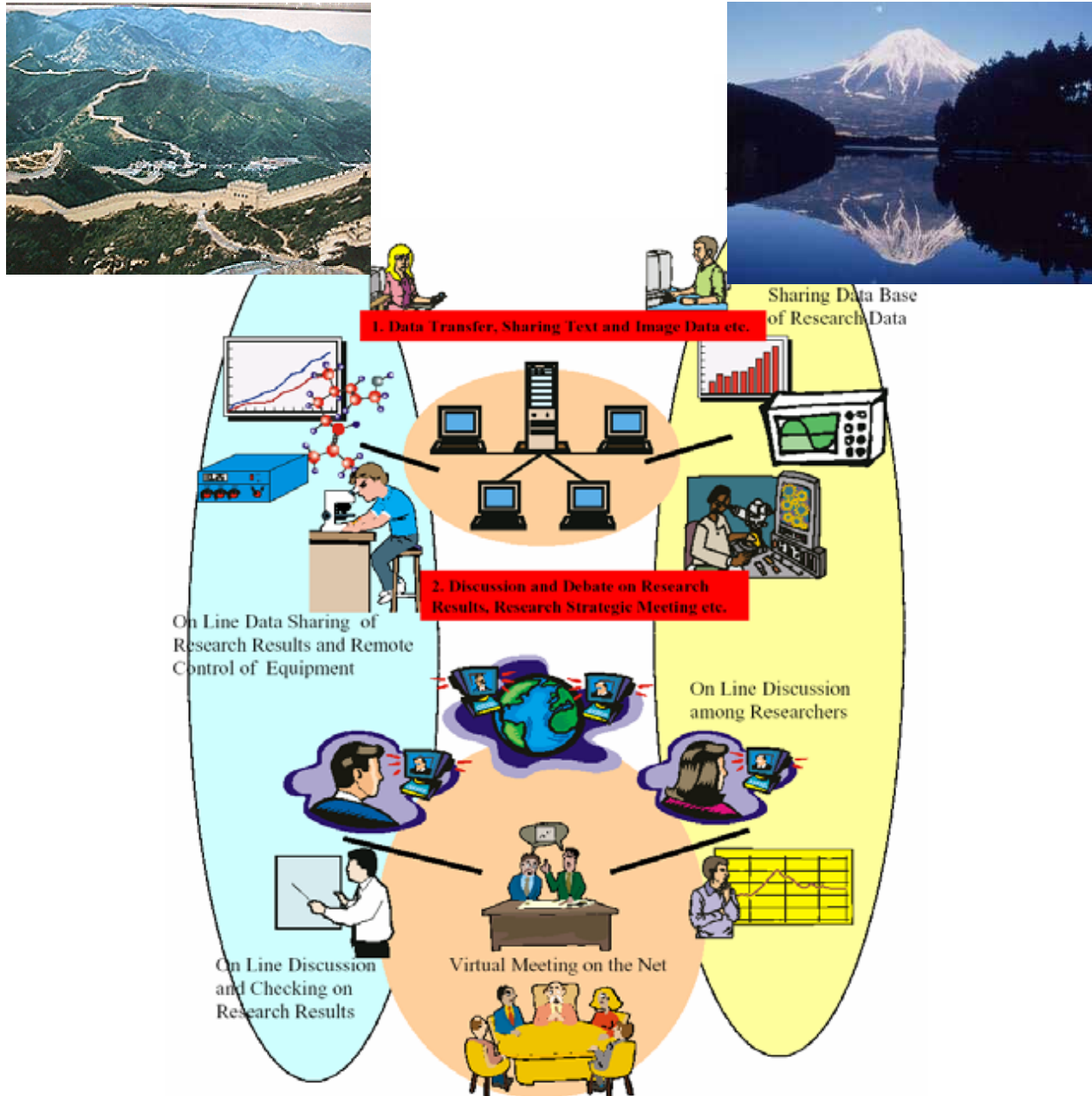
MOU signing ceremony with CAS HQ, in National Congress Hall, Beijing



MOA signing ceremony with CNIC, CAS

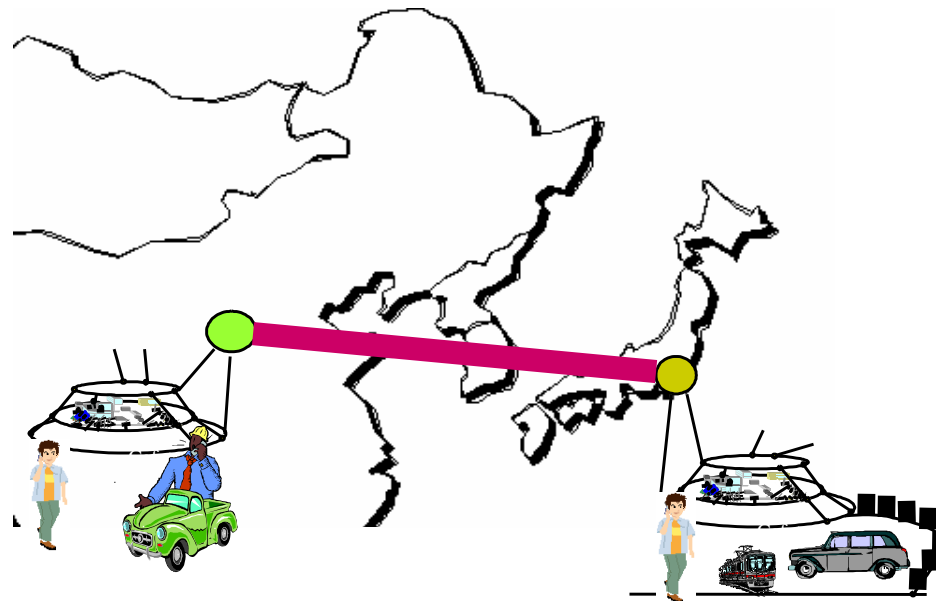
A plan of advanced network between China and Japan for R&D and broadband applications





Next-generation Mobile Communications Collaborations

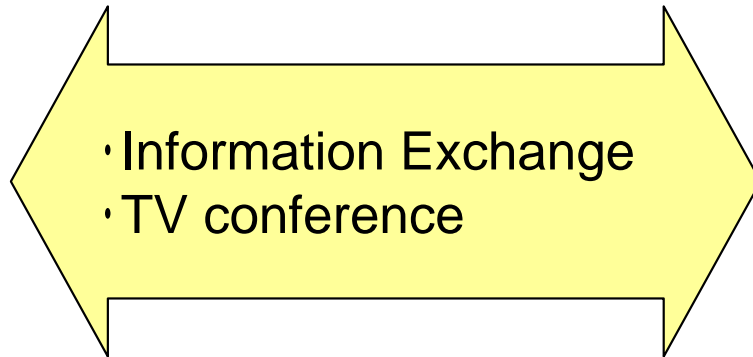
- Tests for interoperability, seamless connections and roaming between mobile communication networks in Japan and China.
- Mobile Ethernet and mobile IP interconnection tests
- Data exchange, TV conference, personal broadcasting demonstration, etc.



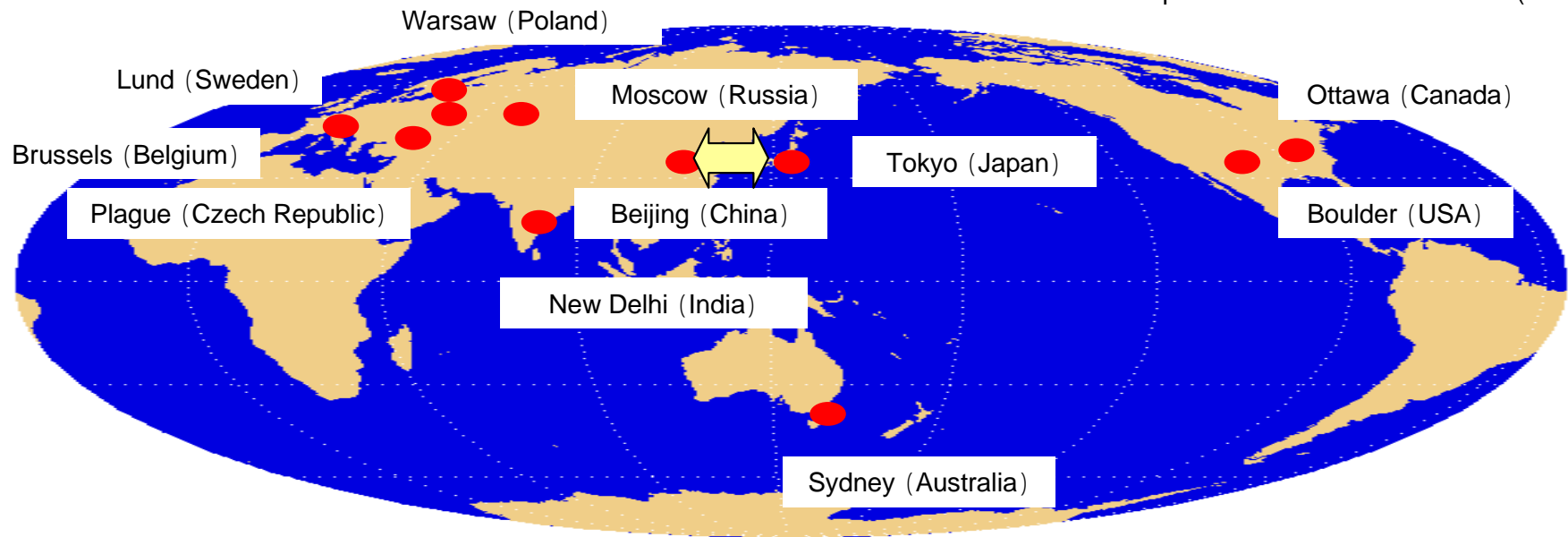
Subject: Collaboration of Space Weather Centers between Japan and China using high-speed network.



Space Environment Prediction Center, Center for Space Science and Applied Research, China (Beijing)



Space Weather Center at NICT (Tokyo)



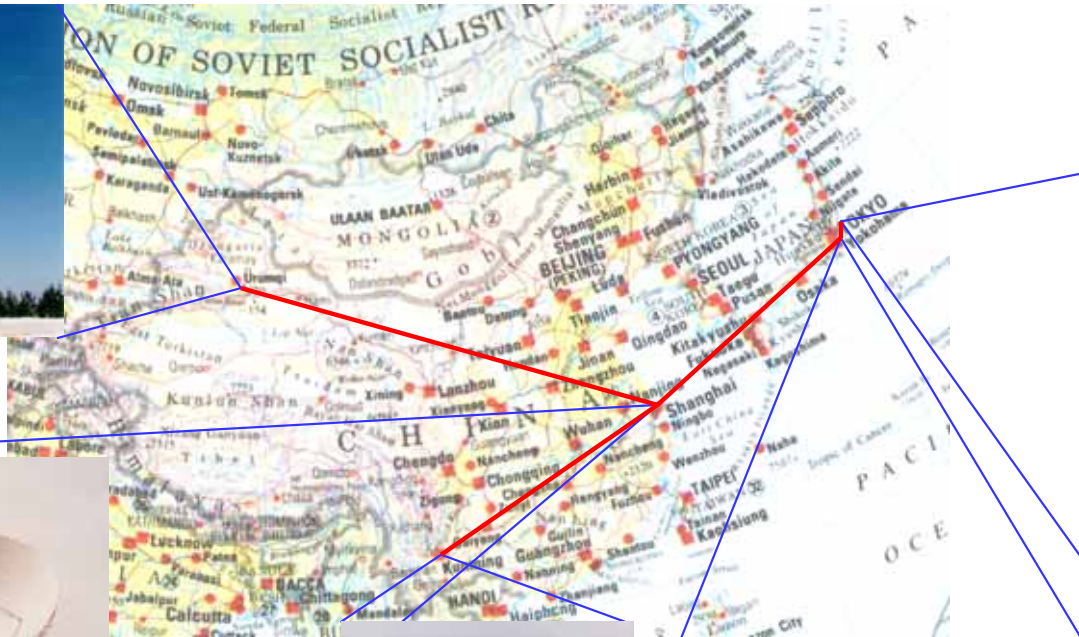
International Space Environment Services (ISES)

NICT Japan-China e-VLBI Joint Experiments

Objectives : To connect Chinese VLBI stations to high speed network for e-VLBI.
To promote international standardization for data transfer methods.
To perform demonstration e-VLBI experiments.



Urumqi 25m



Kashima 34m



Shanghai 25m



Kunming



Koganei 11m