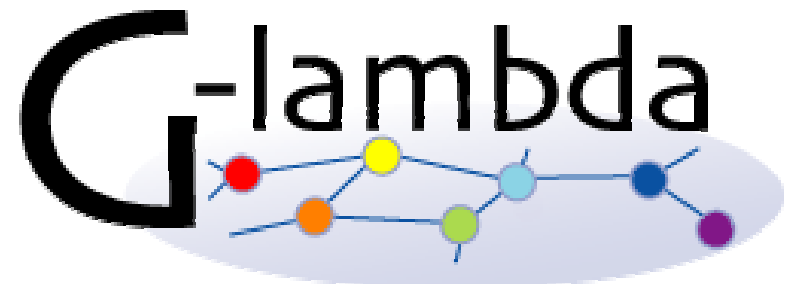# SC06 Demonstration
AIST Booth #325
CCT/LSU Booth #208

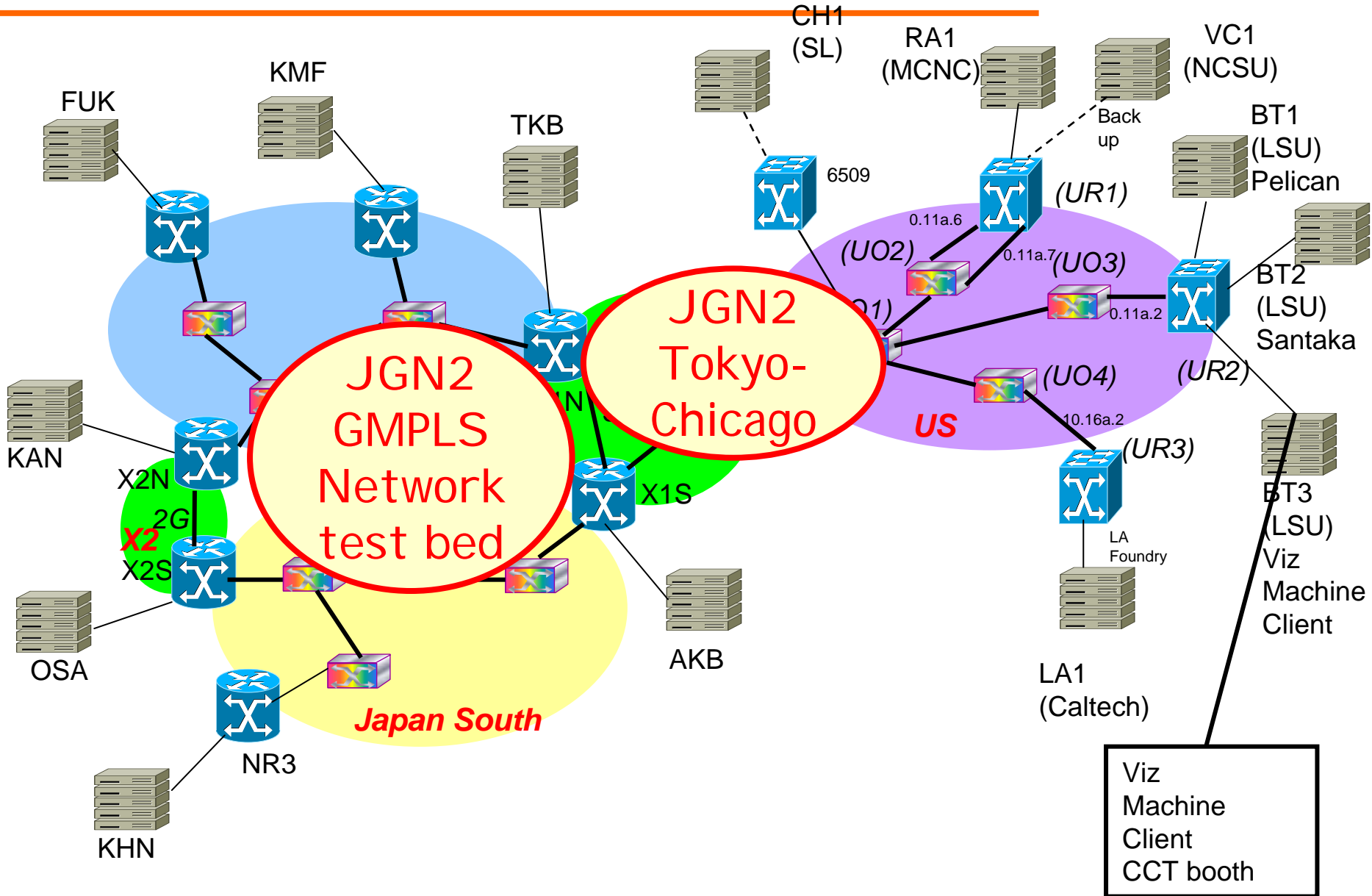# Inter-domain advance reservation of coordinated network and computing resources over the Pacific

G-lambda & Enlightened collaboration

What is the demo?

- **Simultaneous in-advance reservation** of **bandwidth** between the US and Japan, and **computing resources** in the US and Japan

- **World's first** inter-domain coordination of resource mangers for in-advance reservation
  - Resource managers have different I/F and are independently developed

- "Automated" interoperability between network and computing resources in two countries' grid computing research testbeds

Resource map

CH1
(SL)

RA1
(MCNC)

VC1
(NCSU)

KMF

BT1
(LSU)
Pelican

FUK

TKB

Back
up

6509

(UR1)

0.11a.6

(UO2)

0.11a.7 (UO3)

BT2
(LSU)
Santaka

JGN2
GMPLS
Network
test bed

JGN2
Tokyo-
Chicago

01)

0.11a.2

(UO4)

(UR2)

US

KAN

X2N

2G

X2

X2S

10.16a.2

(UR3)

X1S

LA
Foundry

BT3
(LSU)
Viz
Machine
Client

OSA

AKB

Japan South

LA1
(Caltech)

NR3

Viz
Machine
Client
CCT booth

KHN

Map labels (network diagram)

FUK
KMF
TKB
CH1
AN
X2N
X1N
XIU
X2S
XIS
LA1
RA1
AKB
VC1
BT1
BT2
BT3
HN

ON:EN:demo
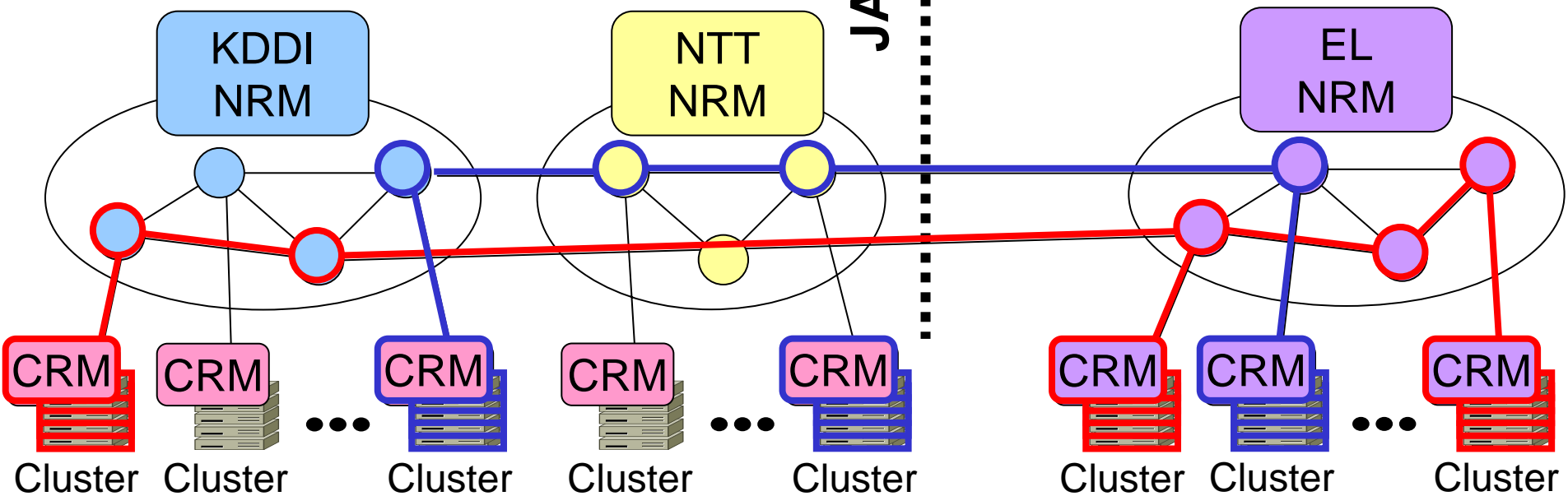
Time Table (Clusters)

	D0	3:02	3:04	3:06	3:08	3:10
(32.0)						
(16.0)						
(8.0)						
(2.0)						
(2.0)						
(3.0)						
(5.0)						
(16.0)						
(16.0)						
(16.0)						

Time Table (Networks)

	D0	3:02	3:04	3:06	3:08
TKB-KMF (1.0)					
TKB-KAN (1.0)					
TKB-FUK (1.0)					
TKB-X1N (1.0)					
TKB-X2N (1.0)					
KMF-KAN (1.0)					
KMF-FUK (1.0)					
KMF-X1N (1.0)					
KMF-X2N (1.0)					
KAN-FUK (1.0)					
KAN-X1N (2.0)					
KAN-X2N (1.0)					
FUK-X1N (1.0)					
FUK-X2N (1.0)					
AKB-OSA (1.0)					
AKB-KHN (1.0)					
AKB-X1S (1.0)					
AKB-X2S (1.0)					
OSA-KHN (1.0)					
OSA-X1S (1.0)					
OSA-X2S (1.0)					
KHN-X1S (1.0)					
KHN-X2S (1.0)					
CH1-RA1 (1.0)					
CH1-VC1 (1.0)					
CH1-BT1 (1.0)					
CH1-BT2 (1.0)					
CH1-BT3 (1.0)					
CH1-LA1 (1.0)					

Demonstration Schedule

Today (Wednesday):
    5:00pm – 6:00pm

Tomorrow (Thursday):
    12:00pm – 1:00pm
    3:00pm – 3:30pm

AIST booth #325