



# TEIN2 Overview

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# Structure

- Background/progress
- Topology
- Next Steps





# TEIN2 Partners

- Beneficiaries: China (CERNET), Indonesia (ITB), Malaysia (MDC), Philippines (ASTI), Thailand (ThaiREN), Vietnam (MOST)
- Non Beneficiaries: Japan (APAN-JP, MAFFIN, NICT, NII), Korea (KISDI), Singapore (SingAREN)
- Third Parties: AARNet, Academia Sinica
- European: France (RENATER), Netherlands (SURFnet), UK (UKERNA)
- Contracting Partner: DANTE





# Modalities

- European Commission funding up to 10 M Euro/80% funding for beneficiaries, others participate at own cost
- EC has contracted DANTE to manage TEIN2 up to Dec 2007
- TEIN2 Technical Committee provides forum for project partners, met 7 times since May 2004



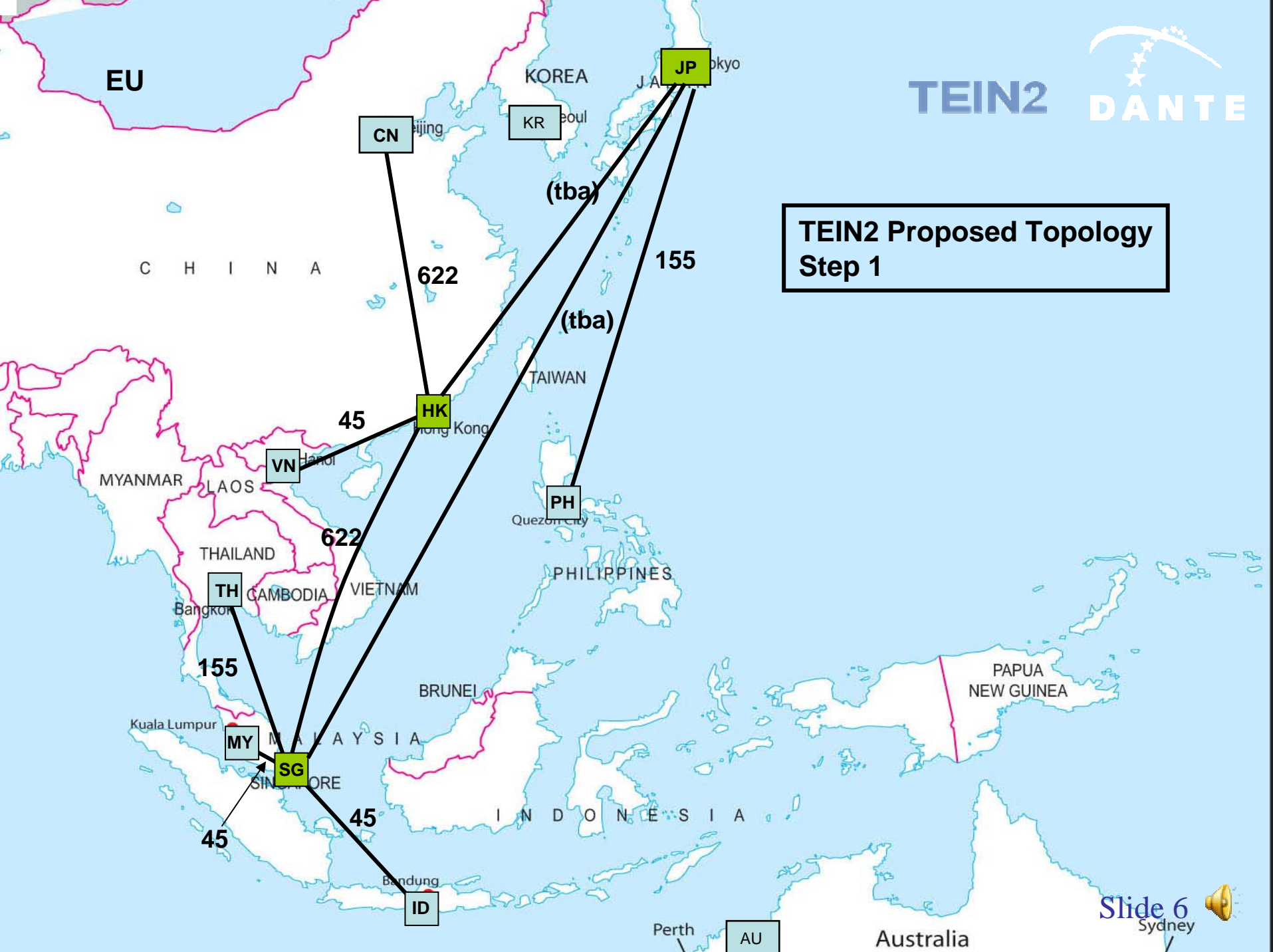


# Project History

- Oct 2000 Trans-Eurasia Information Network endorsed by ASEM 3, Seoul
- Nov 2001 Seoul – Paris link starts (“TEIN1”)
- Mar 2003 EC studies for TEIN 2<sup>nd</sup> phase start (“TEIN2”)
- Jan 2004 TEIN2 Information Day held, Brussels
- May 2004 EC/DANTE TEIN2 contract starts
- Oct 2004 TEIN2 planning studies completed
- Dec 2004 TEIN2 network procurement begins



**TEIN2 Proposed Topology  
Step 1**

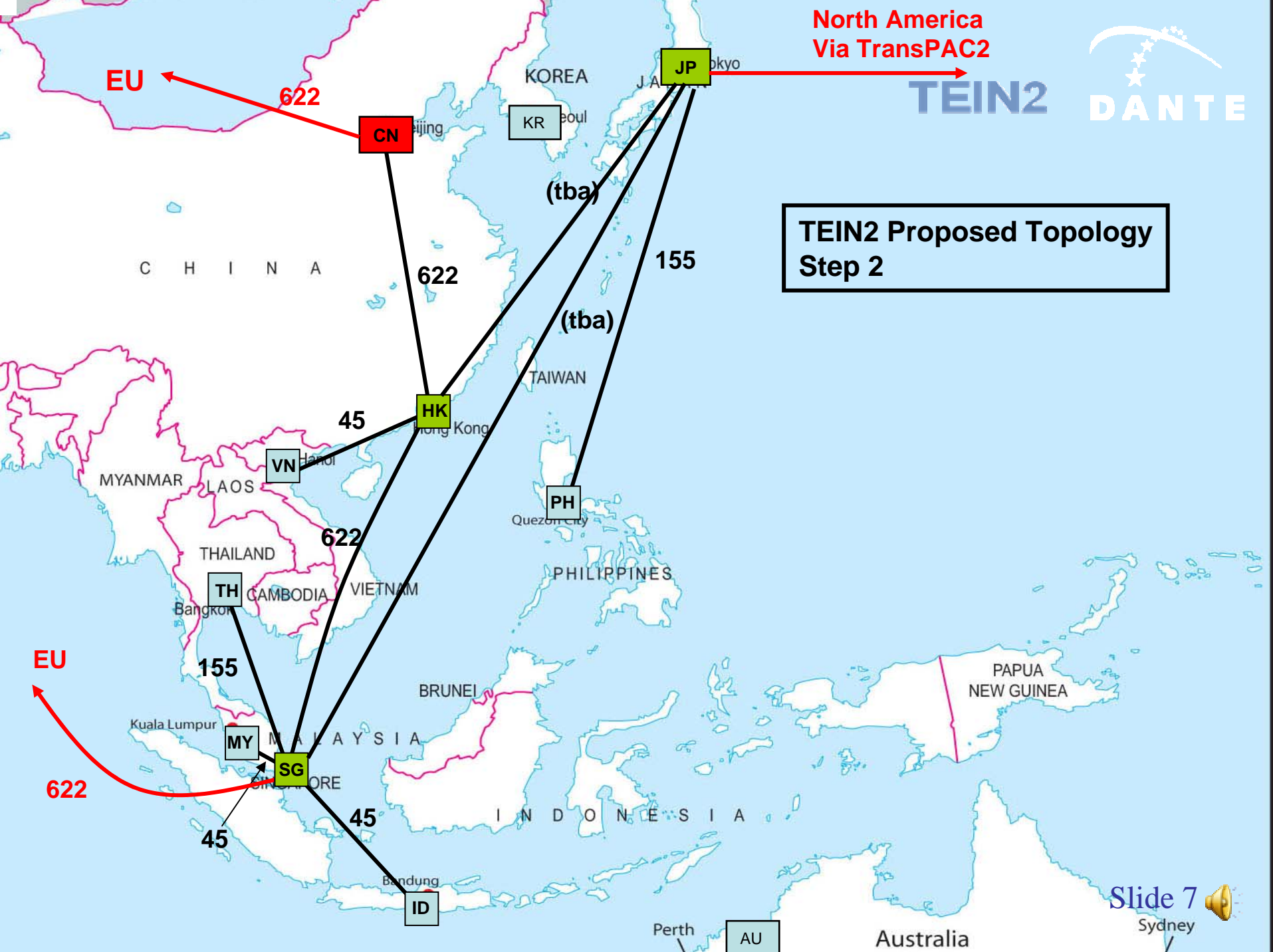




TEIN2

North America  
Via TransPAC2

TEIN2 Proposed Topology  
Step 2





North America  
Via TransPAC2

TEIN2

TEIN2 Proposed Topology  
Step 3

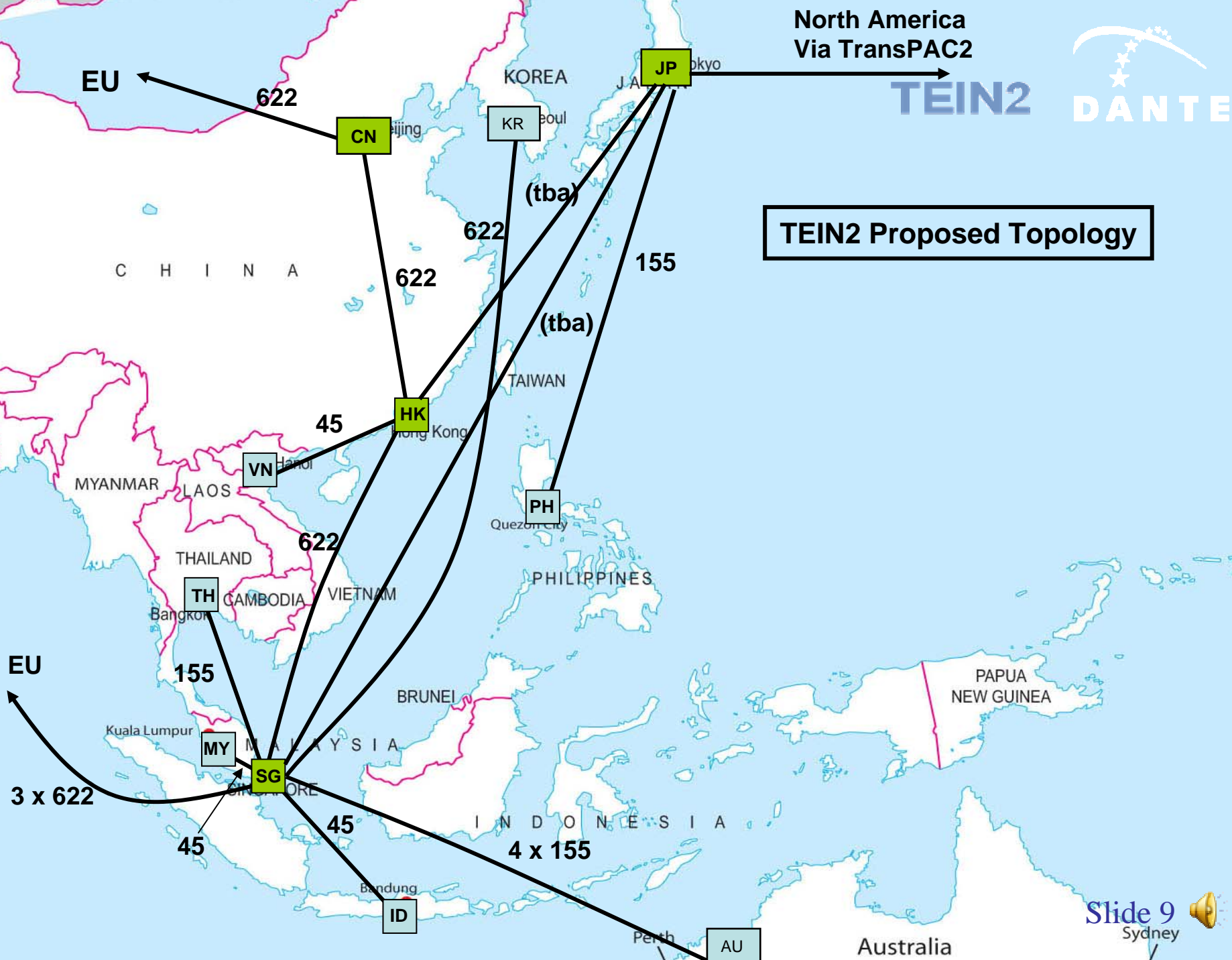




North America  
Via TransPAC2

TEIN2

TEIN2 Proposed Topology





# Topology Benefits

- Provides requested connection capacities for beneficiaries
- SG/JP/HK intra-Asian ring for resilience
- N and S routes to Europe for efficient routings and resilience
- Transit via TransPAC2 to N America for direct N American traffic and additional back up to Europe
- Utilises donors' contributions effectively
- Multiple hubs give flexibility for additional connections
- Maximises use of EC funds
- Principles supported by TEIN2 partners



## TEIN2 NOC

- TEIN2 NOC service formally tendered under European procurement rules
- Contract being awarded to Tsinghua University (CERNET NOC provider)
- TEIN2 NOC to be based in Hong Kong
- Co-operative working with APAN-NOC and other partner NOCs to be established





# Next Steps

## Underway:

- Secure partner commitments for first 12 months operation
- Finalise service provider contracts
- Finalise engineering planning

## Then:

- Network implementation
- RFS from December 2005



# Conclusions

- Benefits of TEIN2 coming soon!
- Helping reduce the Digital Divide in Asia
- Improving Asia-Europe connections
- Working with APAN and major Asian and global partners to build and sustain a strong Asian R&E infrastructure





Thank you!

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