Experiences on Global Connectivity
– KOREA –

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Contents

NIA

- ## Founded in 1987
  - Support ICT Enablement of National Agencies' Local Autonomies and Development of Policies for the Information Society

    (Framework Act on Informatization Promotion)

- ## Public Agency
  - Statutory Agency (belonging to Ministry of Public Administration and Security)
    - Assist Ministry of Public Administration and Security and Korea Communications Commission

- ## Leading e-Gov, research infra, and IT consulting
  - Accelerated realization of an advanced ICT-based society
  - Lead the integration of society through Informatization
  - Lead the global knowledge society
  - Deploy and promote research & education infrastructure

KOREN

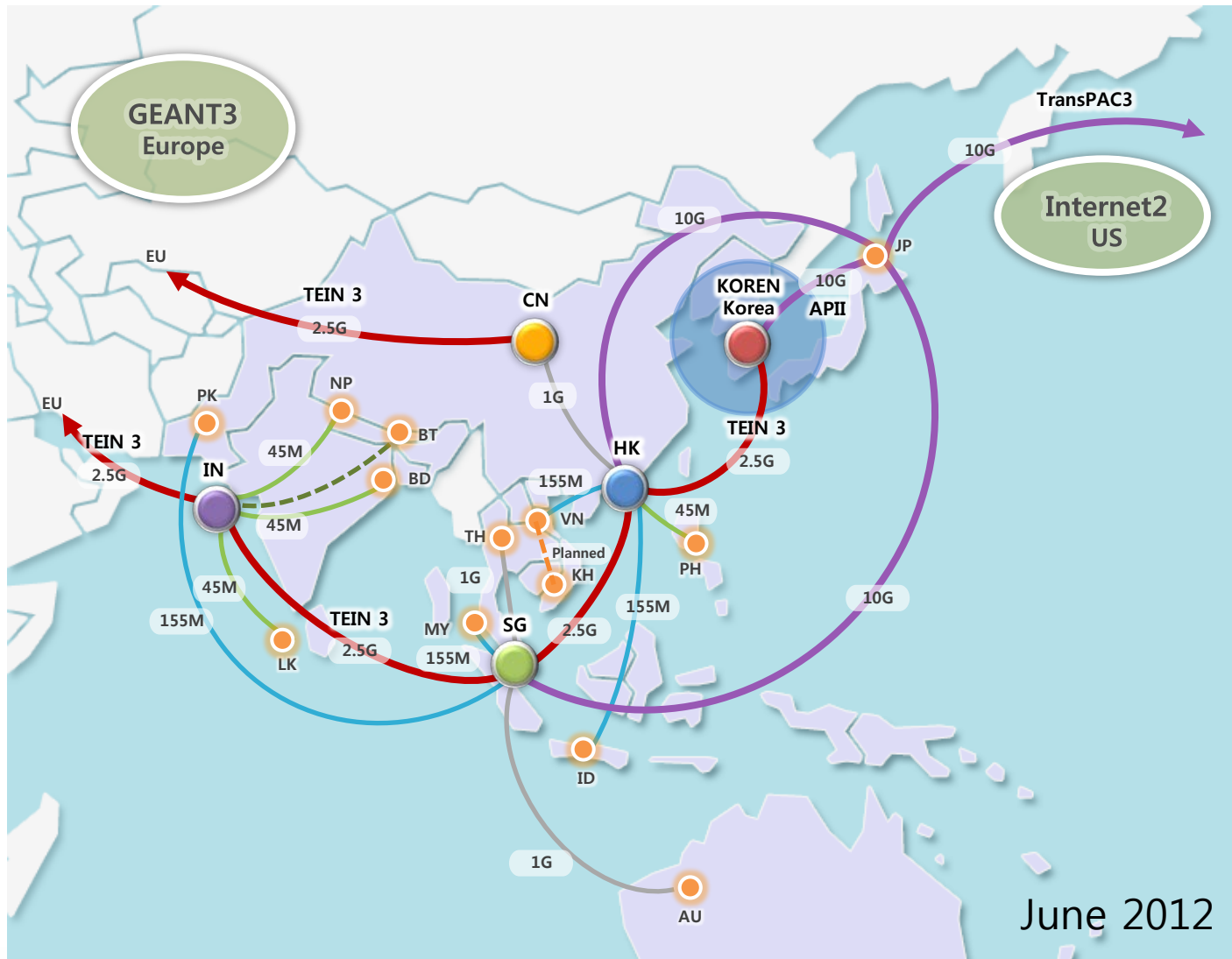- ## KOrea advanced REsearch Network
  - Deploying convergence communication and future network testbed
    - Promotion through sharing research results based on collaborative relationship among academia, industries and government
    - Provides Future internet research environments (DCN,OF ....)
  - Up to 60Gbps Backbone Capacity & 1/10Gbps User Connections
  - 60-Gigabit Member institutes (mainly for research & development)

- ## APII/TEIN4
  - (APII) Asia Pacific Information Infrastructure (KR-JP)
    - 10Gbps between KR and JP (Advanced Applications and Collaborative Networks)
    - KOREN/APII/JGN-X participate in APII Testbed project related APEC-TEL
  - (TEIN4) Trans Eurasia Information Network (KR-Asia-EU)
    - 2.5G between KR-HK , and HK -SG , now under preparation for upgrade
    - Advanced Applications and Collaborative Networks within Asia and EU countries
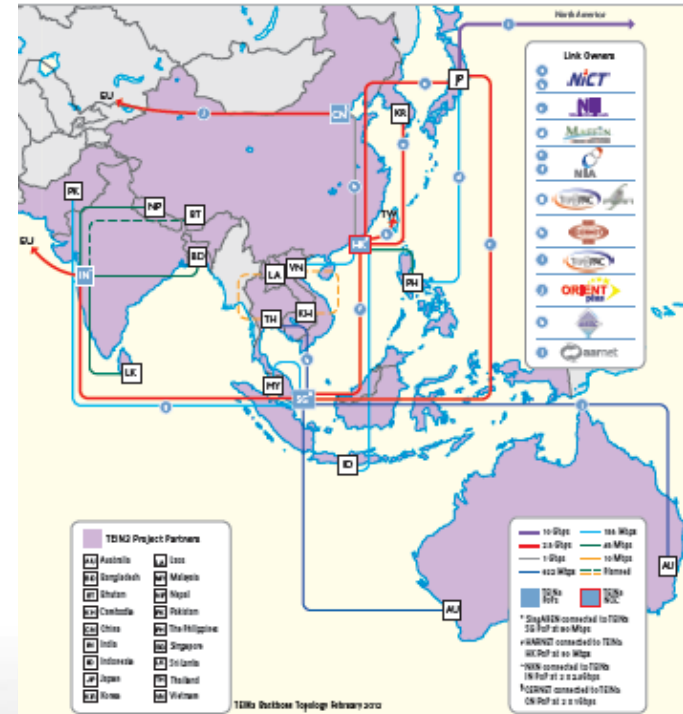
KOREN/APII/TEIN

June 2012

Global Connectivity

- **Global network infrastructure for research and education**
  - Providing new opportunities for global collaborations in all fields
  - Many global connectivity building projects are underway
    (Especially, AP region have TEIN, TransPAC and so on)
  - Development of a Global RnE network is big task, and need to coordinate with partners globally

APAN backbone connectivity(2011)

TEIN3(Feb. 2012)

TEIN project

- ## TEIN Initiative @ ASEM3

  - New initiatives endorsed by ASEM3 meeting (Oct. 2000, Seoul)
  - Contribute to enhancing exchanges and cooperation between Asia and Europe through increased and more effective information flows;
  - Enhance and diversify research exchanges and cooperation
  - Expand and diversify speedier and more powerful telecommunication connections between Asia and Europe

- ## Evolution of TEIN

2000 TEIN Initiative endorsed @ASEM3 (Seoul)

2001 TEIN KR-FR launched (2Mbps)
  TEIN quoted as "the basis of a strong partnership
  b/w Asia & Europe" @ASEM4 (Copenhagen)

Mar, 2006 TEIN3 Outline Proposal – extended to South Asia partners (EU funding 12M Euro)

Sep, 2006 TEIN2 Launch Event @ ASEM6 Summit

Dec, 2009 ASEM/TEIN3 Workshop - TEIN*CC proposal

2003 TEIN KR-FR upgraded to 45M

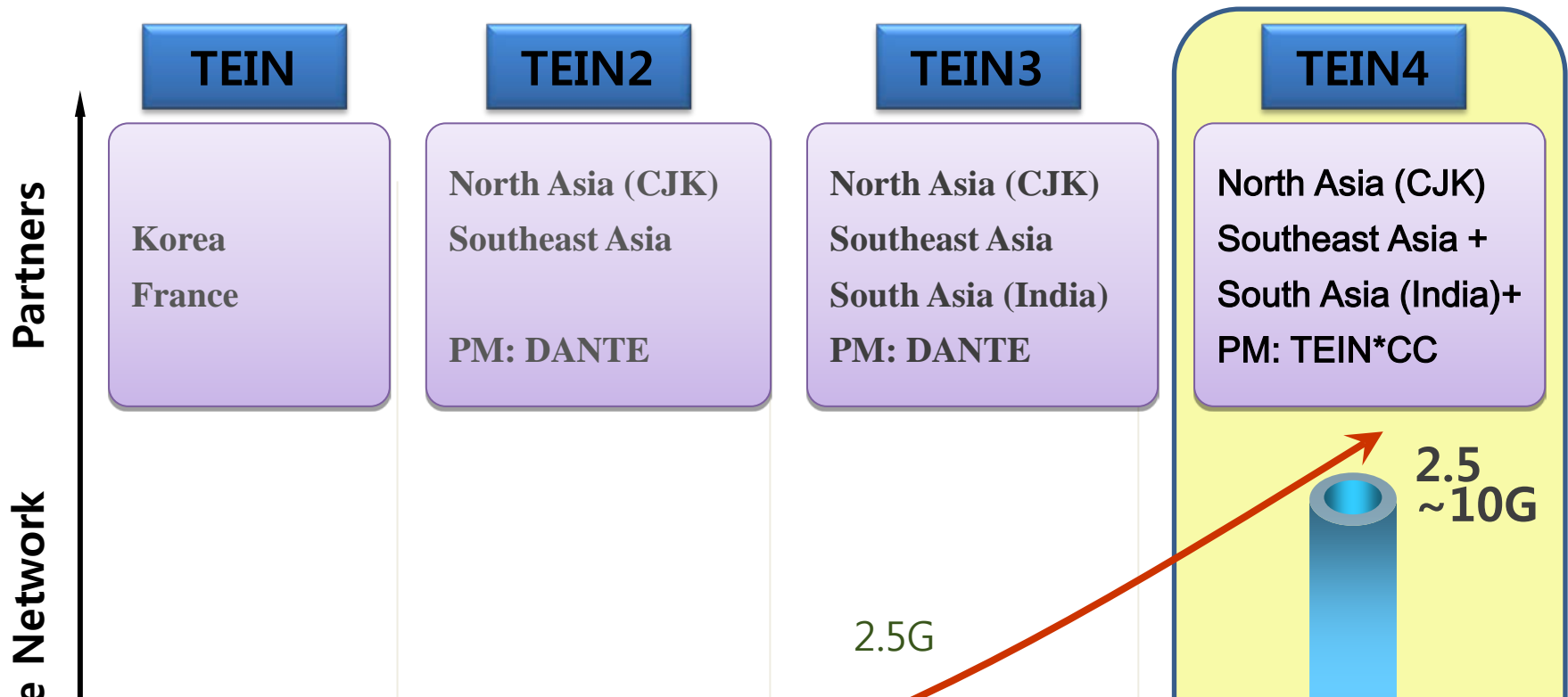**Jan, 2004 TEIN2 announced by EU, funding 10M Euro for ASEM-Asia(SEA) partners**

Dec, 2004 TEIN1(KR-FR) upgraded to 155M

Oct, 2010 TEIN4 and TEIN*CC endorsed @ ASEM8 Summit (Brussels)

Aug, 2011 TEIN*CC establish in Seoul, KOREA

Apr, 2012 TEIN-4 Project starts in TEIN*CC (4yrs)

TEIN Partners and capacities

	TEIN	TEIN2	TEIN3	TEIN4
Partners	Korea France	North Asia (CJK) Southeast Asia PM: DANTE	North Asia (CJK) Southeast Asia South Asia (India) PM: DANTE	North Asia (CJK) Southeast Asia + South Asia (India)+ PM: TEIN*CC
e Network			2.5G	2.5 ~10G