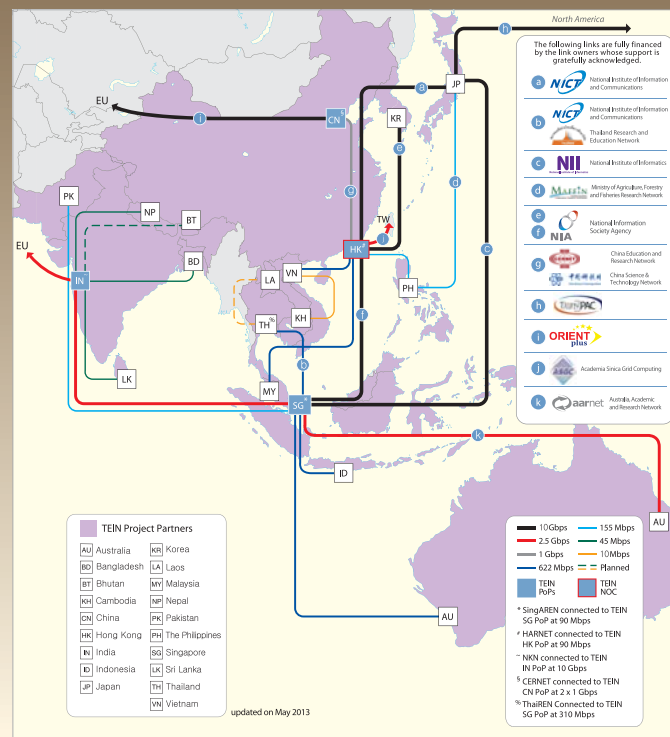**TEIN** COOPERATION CENTER

Partners

Australia	Australia's Academic and Research Network (AARNet)
Bangladesh	University Grants Commission (UGC)
Bhutan	Department of Information Technology and Telecom (DIT&T)
Cambodia	Institute of Technology of Cambodia (ITC)
China	China Education and Research Network (CERNET)
	China Science and Technology Network (CSTNET)
Hong Kong	Hong Kong Academic and Research Network (HARNET)
India	National Knowledge Network (NKN)
Indonesia	Institut Teknologi Bandung (ITB/INHERENT)
Japan	National Institute of Information and Communications (NICT)
	National Institute of Informatics (NII)
	Ministry of Agriculture, Forestry and Fisheries Research Network (MAFFIN)
Korea	National Information Society Agency (NIA)
Laos	Lao Education and Research Network (LERNET)
Malaysia	Malaysian Research and Education Network (MYREN)
Nepal	Nepal Research and Education Network (NREN)
Pakistan	Pakistan Education and Research Network (PERN)
Philippines	Advanced Science and Technology Institute (ASTI)
Singapore	Singapore Advanced Research & Education Network (SingAREN)
Sri Lanka	Lanka Education and Research Network (LEARN)
Thailand	Thailand Research Education Network Association (ThaiREN)
Vietnam	National Agency for Science and Technology Information (NASATI)

TEIN4 Network Diagram

updated on May 2013

TEIN 4
NATIONAL LAUNCH

Contact

TEIN4 Launch event secretariat

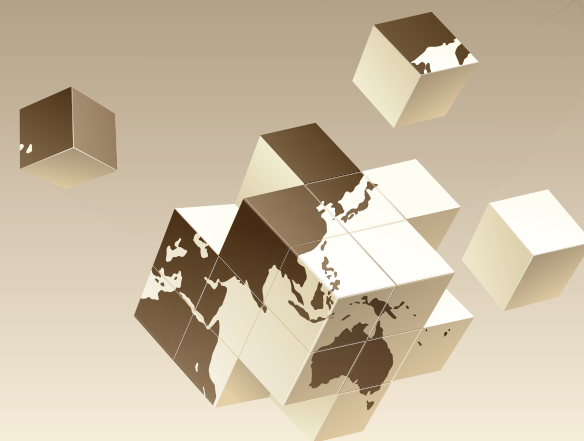| Director	Hyunho Choi	+82-2-3153-7351	hhchoi@teincc.org
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European Commission
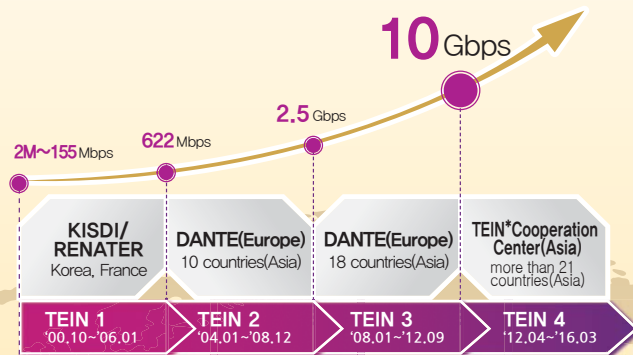
TEIN COOPERATION CENTER

National TEIN4 Launch Events in Partner Countries

TEIN partners are invited to stage a national event to celebrate participation in the 4th phase of TEIN network and to raise awareness among the user community and other stakeholders for the benefits in the context of inter-regional and international research and education collaborations.

The National TEIN4 Launch Events will be available with all TEIN partners in combining with user conferences or other outreach events to reflect national preferences. In the events, National Research & Education Network relevant people - research institutes, universities, coordinators of international projects and National & International funding bodies - will attend and celebrate together for the 4th phase of TEIN project. Joining partners are encouraged to stage a launch event as soon as they get connected.

TEIN*CC carries out the 4th phase of TEIN project in areas of managing network, developing applications, coordinating HRD training programs for researchers and educators of TEIN partners and; implementing overall TEIN4 project. TEIN*CC also expands international collaborations with other R&E network organizations in different regions to provide better opportunities of research and education to TEIN beneficiaries.

10 Gbps

2.5 Gbps

622 Mbps

2M~155 Mbps

KISDI/ RENATER Korea, France	DANTE(Europe) 10 countries(Asia)	DANTE(Europe) 18 countries(Asia)	TEIN*Cooperation Center(Asia) more than 21 countries(Asia)
TEIN 1 '00.10~'06.01	TEIN 2 '04.01~'08.12	TEIN 3 '08.01~'12.09	TEIN 4 '12.04~'16.03

About TEIN

TEIN (Trans-Eurasia Information Network) – International links of Asia and Europe via dedicated high-capacity internet network for non-commercial, research & education purposes. First conceived in 2000 and now due to run until 2016, the TEIN project is contributing to the further development of the Trans-Eurasia Information Network (TEIN) initiative, which was an outcome of the Asia Europe Meeting (ASEM) to improve research networking between Europe and Asia-Pacific.

TEIN project have achieved successful international collaborative works through 3 phases for a decade; in the 1st phase('00.Oct~'06.Jan), the bilateral connection started between France and Republic of Korea up to 155Mbps; in the 2nd phase ('04.Jan~'08.Dec), DANTE in Europe carried out the TEIN project that 10 Asian countries were connected to westbound link GEANT in Europe; and in the 3rd phase ('08.Jan~'12.Sep), the partners were increased to 18 Asian countries and the bandwidth expanded up to 2.5 Gbps. Now, TEIN project stages in the 4th phase and it is set to receive 16 Million Euro of funding from the EU and Asian partners. Using the powerful network links now in place, up to 10Gbps bandwidth, researchers across Asia-Pacific are participating in world-class collaborative research projects.

ASEM 9 - VIENTIANE 2012
"Leaders noted the establishment of Trans-Eurasia Information Network-star (TEIN) Cooperation and the successful launch of the 4th phase of the TEIN project, recognizing the important role of the TEIN project to enhance exchanges and cooperation among researchand education community in Asia and between Asia and Europe."*

Asia-Europe Meeting

About TEIN*CC

TEIN* Cooperation Center (TEIN*CC) was endorsed by the ASEM8 Summit in Brussels on October 2010. It was established in Seoul, Korea, on August 2011, as a non-profit Foundation Corporation governed by the Korean Civil Law in order to manage and operate the TEIN project. For more information, please visit www.teincc.org.

TEIN4 Work Package

WP1: Network Procurement and Commercial Management

* Conducting the TEIN connectivity tender

* Reviewing the network to increase network capacities

* Setting up TEIN network operational policies and overseeing the TEIN NOC

* Setting up and overseeing operational agreements with partners and other networks to provide backup and resilience in the event of problems

WP2: Promoting and Supporting Applications

* Developing a portfolio of target applications areas for TEIN support

* Seeking to further develop or extend user applications with social benefits through the promotion of such applications to user communities and government decision makers

* Setting up a TEIN user support group for partners to co-ordinate applications support and share best practice

* Developing an applications database to monitor and help match-make TEIN users and applications

WP3: Capacity and International Collaboration

* Commissioning and delivering customized training courses on network engineering and operations for beneficiary partners' staff

* Providing funding support, subject to budget availability, for beneficiary partners' staff capacity development e.g. "on the job training" with other partners

* Assessing needs for non-technical training by beneficiary partners e.g. financial administration and tendering