Main Activities

Capacity Building Program

Training Activities

Asi@Connect workshops and training programs support capacity building of NREN engineers and administrative staff.

Campus Network Design

Well-developed campus network infrastructure allows universities to connect to their National Research and Education Network (NREN) and to local Internet Exchange Points.
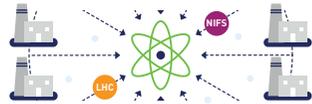
Tele-medicine

Medical doctors and experts share experiences and knowledge for epidemic disease prevention & better public health service.

Asi@Connect provides high-quality network connectivity for supporting live surgery and tele-surgical training.

e-Science

Researchers and institutions collaborate on a range of subjects in natural science: Particle Physics such as Large Hadron Collider (LHC), Nuclear Fusion Science (NIFS), computational lenses, and grid computing.

Earth Observation

Asi@Connect underpins the real-time data exchange through computing systems for climate and weather prediction.

People in remote rural areas benefit from high resolution regional prediction systems which provide faster and more accurate forecasts.

Advanced ICT Technology

Asi@Connect enables researchers and engineers to develop and deliver innovative network technologies such as future internet to make the network environment more reliable, compatible and sustainable.

Asi@Connect Call for Proposals

Asi@Connect supports collaboration activities for the R&E community in Asia-Pacific region by 'Call for Proposals (CFPs)'

Open to CFPs

WP1 Network procurement and management

WP2 Capacity development of NRENS in developing countries

WP3 R&E network design & operations

WP4 Development of specialised network products, services & applications

WP5 Promoting Asi@Connect-enabled R&E collaborations for societal benefit

WP6 Helping to bridge the digital divide in developing countries

1st call	2nd call	3rd call	investment	Participating
52 proposals submitted	64 proposals submitted	55 proposals submitted	over €7M	over 700 engineers
12 awarded	17 awarded	22 awarded		over 24 Asian countries

TEIN*Cooperation Center

Asi@Connect is managed by the regional networking organization TEIN*Cooperation Center.

Website: www.tein.asia

Address: A-708, DMC High-Tech Industrial Center, 330 Sungam-ro, Mapo-gu, 03920, Seoul, S.Korea

TEL: +82-2-3153-7343

Email: (General) teincc@teincc.org (CFP) tech@teincc.org

Asi@Connect

Faster connections

Societal benefits

Collaborative development

Connecting Asia and Europe's Research and Education Communities

www.tein.asia
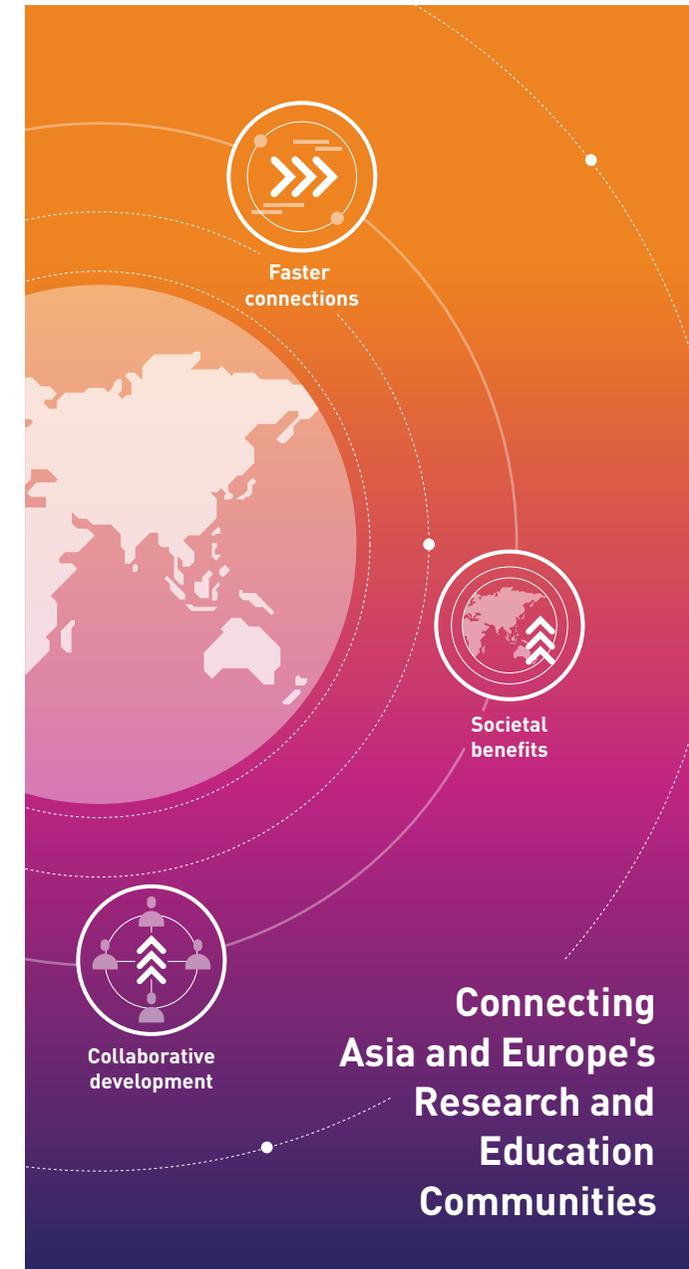
What Is Asi@Connect?

The EU co-funded Asi@Connect project provides a dedicated regional high capacity and high quality internet network, Trans Eurasia Information Network(TEIN), for research and education (R&E) communities across Asia-Pacific and Europe, and leverages e-infrastructures developed for public service projects.

Asia
Europe

Connecting partners faster

One of the most successful ASEM initiatives to support ICT infrastructures and R&E communities through more effective, faster and powerful dedicated internet connections across the Asia-Pacific and with Europe.

2×
Bandwidth
Traffic

Global societal benefits

TEIN supports applications with a high societal impact, such as tele-medicine, earth observation and agricultural research based on global cooperation.

Over the last 5 years, with the development of local network infrastructure and international interconnections, TEIN has more than doubled the traffic and bandwidth.
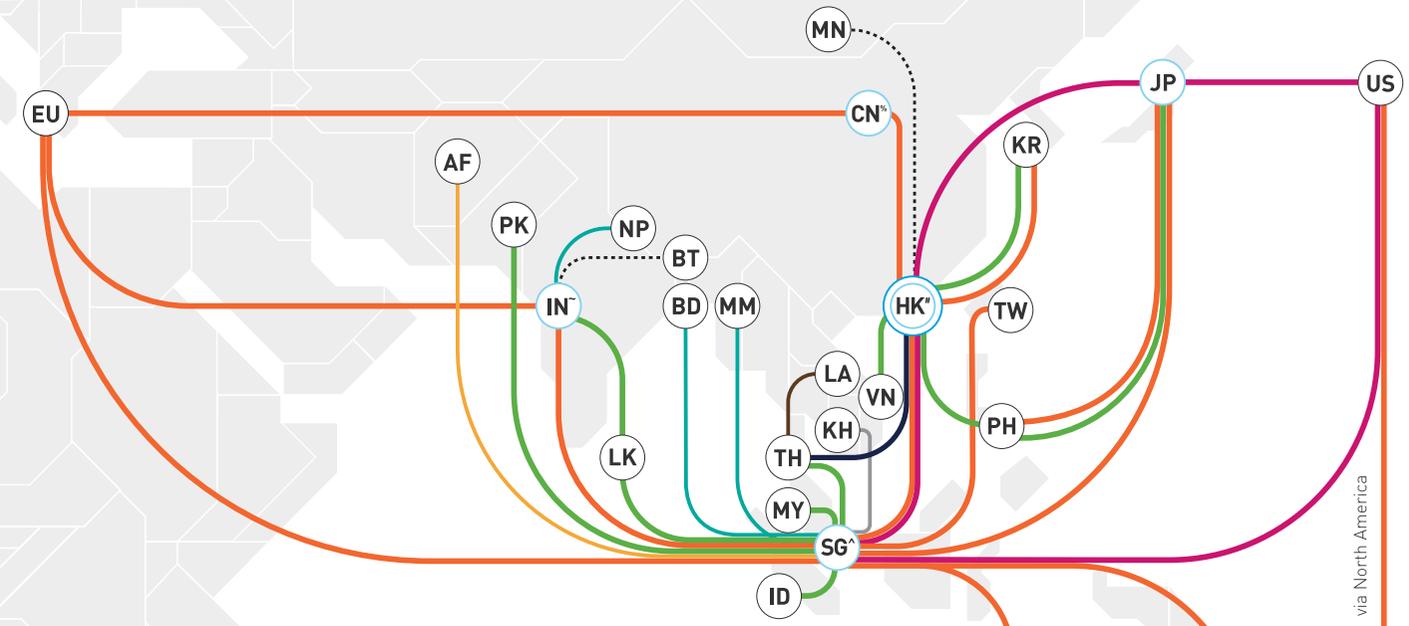
Asi@ Connect

Collaborative development

Students, academics and researchers benefit from extensive global collaboration opportunities through Asi@Connect programs, which foster knowledge sharing and capacity development.

Our History

2001~06	TEIN Initiative		Seoul and Paris
2004~08	TEIN2	09	Asian partners and Europe
2008~12	TEIN3	18	Asian partners and Europe
2012~16	TEIN4	23	Asian partners and Europe
2016~	Asi@Connect	24	Asian partners and Europe

TEIN Map

Asi@Connect Project Partners

(AF) · Afghanistan Research and Education Network (AfgREN)
(AU) · Australia's Academic and Research Network (AARNET)
(BD) · University Grants Commission (BdREN)
(BT) · Department of Information Technology and Telecom (DrukREN)
(KH) · Institute of Technology of Cambodia (CamREN)
(CN) · China Education and Research Network (CERNET)
· % CERNET connected to TEIN CN PoP at 10 Gbps
· China Science and Technology Network (CSTNET)
(HK) · The Hong Kong Academic and Research NETwork (HARNET)
· The Hong Kong Open Exchange (HKOX)
· # HARNET and HKOX connected to TEIN HK PoP at 10 Gbps
(IN) · National Knowledge Network (NKN)
· ~ NKN connected to TEIN IN PoP at 10 Gbps
(ID) · Institut Teknologi Bandung (ITB)
(JP) · Ministry of Agriculture, Forestry and Fisheries Research Network (MAFFIN)
· National Institute of Information and Communications (NICT)
· National Institute of Informatics (NII)
(KR) · National Information Society Agency (NIA)
· Korea Research Environment Open NETwork (KREONET)

(LA) · Laos Education and Research Network (LERNET)
(MY) · Malaysian Research and Education Network (MYREN)
(MN) · Mongolian Research and Education Network (ErdemNet)
(MM) · University of Computer Studies Yangon (mmREN)
(NP) · Nepal Research and Education Network (NREN)
(NZ) · Research and Education Advanced Network New Zealand (REANNZ)
(PK) · Pakistan Education and Research Network (PERN)
(PH) · Advanced Science and Technology Institute (ASTI)
(SG) · Singapore Advanced Research & Education Network (SingAREN)
· ^ SingAREN connected to TEIN SG PoP at 10 Gbps
(LK) · Lanka Education and Research Network (LEARN)
(TW) · Academia Sinica Grid Computing (ASGC)
(TH) · Thailand Research Education Network Association (ThaiREN)
(VN) · National Agency for Science and Technology Information (NASATI)

via North America

▬ **100** Gbps	▬ **1** Gbps	▬ **45** Mbps	○ TEIN PoPs
▬ **10** Gbps	▬ **622** Mbps	▬ **10** Mbps	
▬ **2.5** Gbps	▬ **155** Mbps	⋯⋯ Planned	○ TEIN NOC
▬ **2** Gbps	▬ **100** Mbps		

* As of December 2018. Ongoing updates
** Other regions (Central Asia, Africa and Latin America) can be connected via global R&E networks such as EU(GÉANT) and US(Internet2)

Possibilities with **Asi@Connect**