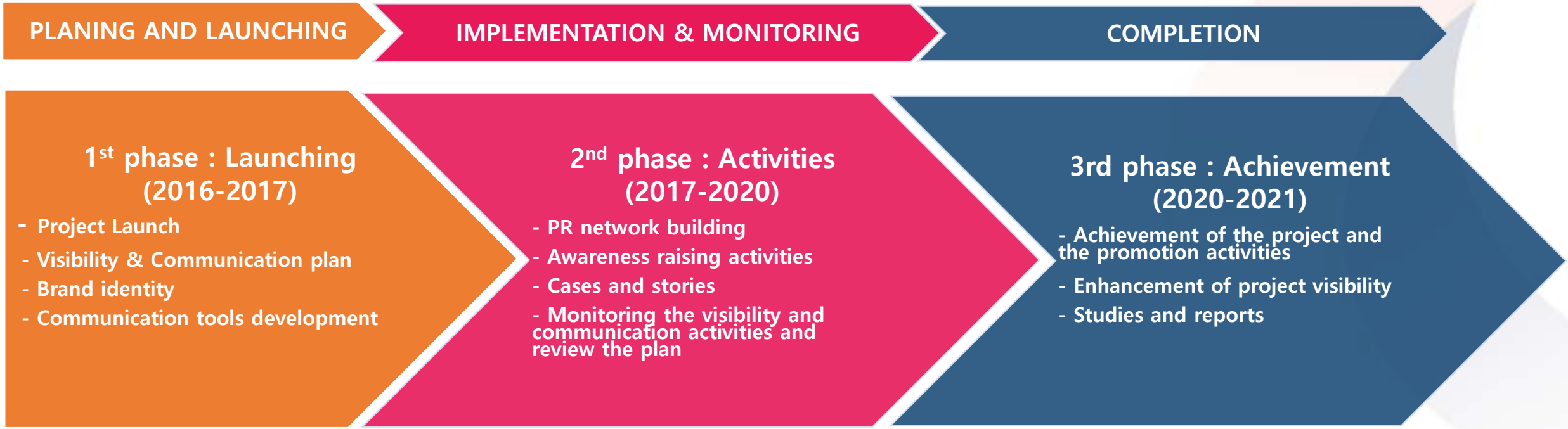
Asi@Connect Visibility and PR Activities for 2017-2018

Eunjin HU, Communications officer, TEIN*CC

The 3rd Asi@Connect Project Meeting (26.Mar.2018) in Singapore

Asi@Connect PR & Visibility



TEIN CC COOPERATION CENTER

Asi@Connect

Project & National Launch Events (2017) – India, Sri Lanka, Bangladesh, Philippines

Date	NREN (Country)
Feb	NKN (India)
Jun	LEARN(Sri Lanka)
Oct	BdREN (Banladesh)
Dec	ASTI (Philippine)

"We had a very engaging session and our stakeholders are now aware of the project" – Roshan Ragel, LEARN

TEIN CC COOPERATION CENTER

Asi@Connect

National Launch Events Plan (2018)

Where	Organizer
Thimpu, Bhutan	DITT
Hanoi, Vietnam	VinaREN
Bandung/Jakarta, Indonesia	IDREN

- Open to All Asi@Connect Partners and funding supports from the project.
- We encourage and recommend to hold national launch event to raise awareness of "Asi@Connect", "TEIN", and "NREN" to stake holders, public and private sectors, and network users

TEIN CC COOPERATION CENTER

Asi@Connect

Activities – Meetings & Events

Asi@Connect Meetings

- March (Singapore) and August (Auckland, New Zealand) 2018
- Dissemination
  - Collaterals : case studies, posters, leaflet, promotional items, video and joint reception with APAN45, PR activities to APAN
- Visibility & Communication activities

. To share the Asi@Connect visibility objective, strategies and plan

. To provide a training EU's visibility and communication guidelines

. To Figure out each NREN's needs and requirement

Activities – Meetings and Events

APAN45 and APAN46

- March (Singapore) and August (Auckland, New Zealand)
- Joint programs and sponsorship

Internet2 Global Summit 2018

- 6-9 May (San Diego, USA)
- Program Sessions and Liaison meeting with USA partners

TNC18

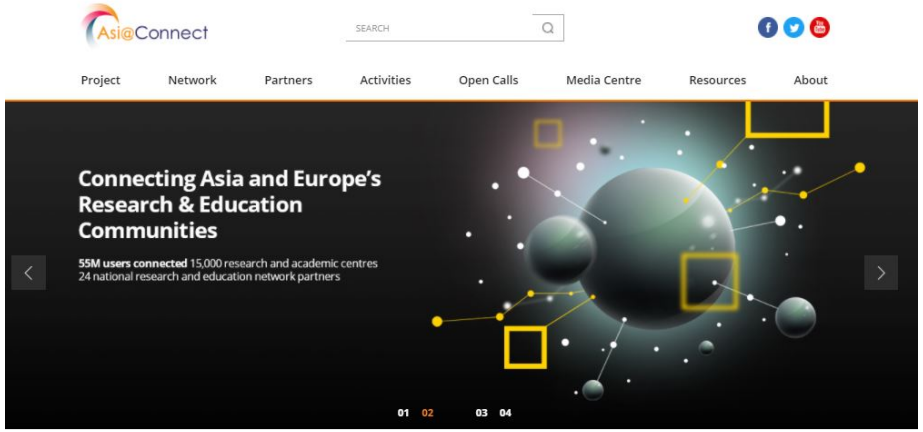
- 10-14 June (Trondheim, Norway)
- Global PR, Poster session and Lightning Talks, etc

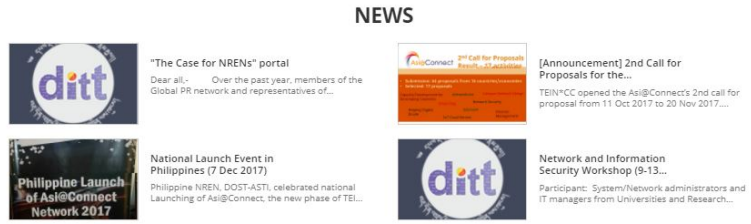
ASEM12

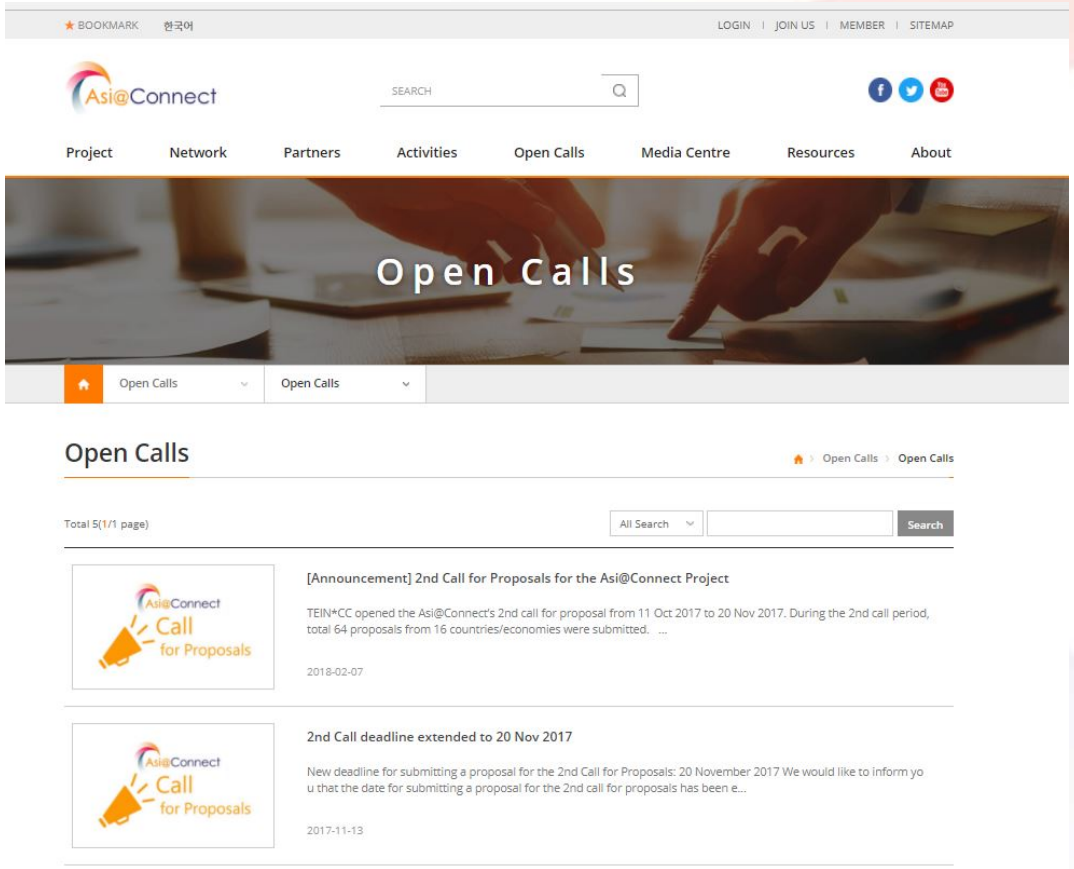
- 18-19 October (Brussels)

Website (www.tein.asia)

- New website open: March 2018
- Merging two websites:
  - Asi@Connect project and TEIN*CC
- Document archive in the intranet (members only)
- Independent menu for CFPs (Open Calls)







Case study & Poster

Developing network capacity

Building network expertise and capacity for international science collaboration across the Asia Pacific region

Network training and engineering assistance

Science is an international affair. Researchers from different countries frequently collaborate with each other, a process made ever easier by the rise of international research and education (R&E) networks, such as TEIN.

However, no scientist connects directly to an international R&E network – they first link to campus or enterprise networks, and then their national R&E network (NRENs) in order to collaborate across the region and globally. It is vital that local institutions therefore have the right technology and skills in place to ensure that they are able to avoid bottlenecks that make it difficult to take advantage of TEIN's high-speed connectivity.

Therefore, part of the mission of TEIN*CC, the organisation that runs the TEIN network, is to support NRENs and local institutions to ensure that they are able to access the connectivity that it offers, both through technology and training local engineers. As well as supporting collaboration, this has a wider benefit - enabling academic access to the internet nurtures knowledgeable graduates who can then enter the private sector to offer internet services to the public.

To build human capacity in local institutions and NRENs, TEIN*CC partnered with the Network Startup Resource Center (NSRC), part of the University of Oregon. Through hands-on, lab-based curricula and a train-the-trainers approach, NSRC provides technical capacity development, direct engineering assistance and equipment to thousands of network engineers working in hundreds of R&E institutions to augment their networking expertise. The aim is to ensure that institutions can properly design, implement and run high-speed networks on their own, with their personnel leading operations and future growth.

Between 2015-2016, TEIN*CC and the NSRC worked in close cooperation with partner institutions to conduct a series of hands-on network training and human capacity development programmes with research and education institutions in Bangladesh, Bhutan, Laos, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka and Thailand. The eleven programmes in nine countries had participants from all TEIN member countries and included engineering assistance to improve the infrastructure and NREN network operation centres. These activities trained over 500 men and women in the TEIN region, with direct engineering assistance at nine universities and three R&E core network infrastructure locations.

In four countries TEIN*CC and NSRC provided more intensive direct engineering assistance, working with local network staff to help improve operational network infrastructure.

Bhutan

NSRC personnel worked with the Bhutanese Research and Education Network (DrukREN) team as well as members of the Royal University of Bhutan (RUB), the Department of Information Technology and Telecom (DITT) and many other local and regional groups, helping to create a 10 Gbps national research and education network in Bhutan that is linked via the National Knowledge Network of India (NKN) and TEIN to the global research community.

and configured network monitoring and management software for the updated network and helped to design an even more scalable campus backbone going forward.

Laos

NSRC trained 31 engineers from the National University of Laos (NUOL) and other institutions on campus network design. The team then provided direct engineering assistance to NUOL IT staff working on the second phase of the redevelopment of NUOL's campus infrastructure. Together NUOL staff and the NSRC team worked on improving networking links, updating the campus network core and installing building and departmental distribution and access switches donated by the NSRC to LERNET. Finally, the NSRC team assisted with improvements to the local network monitoring and management infrastructure, and assisted in the development of LERNET, working towards an operational NREN for the Lao People's Democratic Republic.

Myanmar

Through a workshop at the University of Computer Studies, Yangon (UCSY), NSRC helped ensure that Myanmar's universities were ready to connect to the country's planned national research and education backbone (mmREN). After the workshop ended NSRC personnel worked with UCSY staff to help install new routers and switches donated by the NSRC as part of a major infrastructure upgrade to the campus network. As part of this effort NSRC and UCSY personnel installed

Sri Lanka

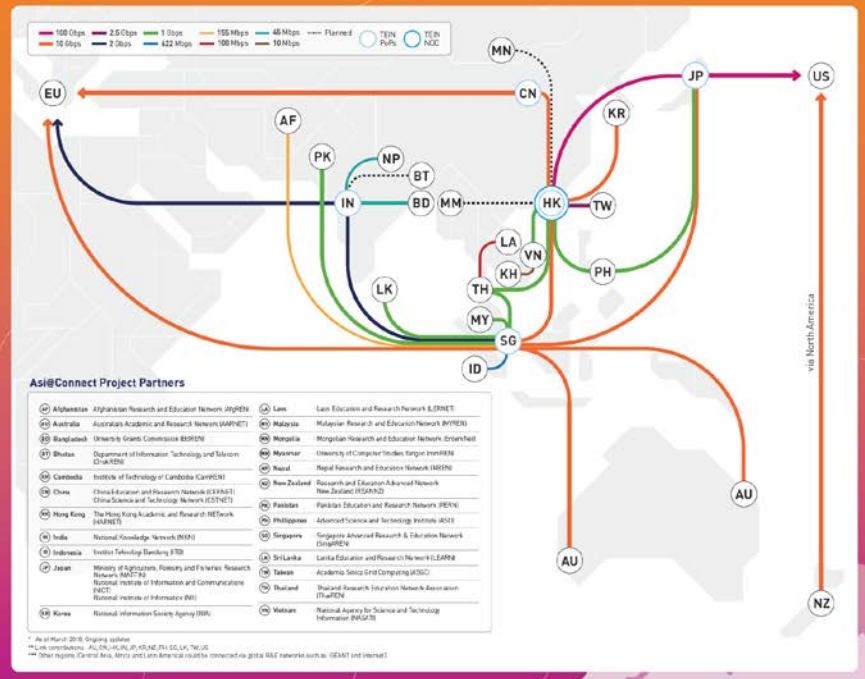
NSRC was invited to visit three universities within Sri Lanka by the Lankan Research and Education Network (LEARN), providing direct engineering assistance with their current campus network operations. These instantly improved performance and traffic delivery from LEARN to TEIN, with visible increases in IPv6 network traffic. With each university planning to scale its infrastructure for increased capacity and better redundancy to keep up with user demand, NSRC also discussed best practice

Case Study of **Asi@Connect**

Asi@Connect

The EU-funded Asi@Connect 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 the e-infrastructures developed for public service projects.

TEIN Map



Asi@Connect Project Partners

AF	Afghanistan	Afghanistan Research and Education Network (AfgREN)	
AU	Australia	Australia's Academic and Research Network (AARNET)	
BD	Bangladesh	University Grants Commission (BdREN)	
BT	Bhutan	Department of Information Technology and Telecom (DrukREN)	
KH	Cambodia	Institute of Technology of Cambodia (CamREN)	
CN	China	China Education and Research Network (CERNET); China Science and Technology Network (CSTNET)	
HK	Hong Kong	The Hong Kong Academic and Research NETwork (HARNET)	
IN	India	National Knowledge Network (NKN)	
ID	Indonesia	Institut Teknologi Bandung (ITB)	
JP	Japan	Ministry of Agriculture, Forestry and Fisheries Research Network (MAFFIN); National Institute of Information and Communications (NICT); National Institute of Informatics (NII)	
KR	Korea	National Information Society Agency (NIA)	
LA	Laos	Laos Education and Research Network (LERNET)	
MY	Malaysia	Malaysian Research and Education Network (MYREN)	
MN	Mongolia	Mongolian Research and Education Network (Erdenet)	
MM	Myanmar	University of Computer Studies Yangon (mmREN)	
NP	Nepal	Nepal Research and Education Network (NREN)	
NZ	New Zealand	Research and Education Advanced Network New Zealand (REANNZ)	
PK	Pakistan	Pakistan Education and Research Network (PERN)	
PH	Philippines	Advanced Science and Technology Institute (ASTI)	
SG	Singapore	Singapore Advanced Research & Education Network (SingAREN)	
LK	Sri Lanka	Lanka Education and Research Network (LEARN)	
TW	Taiwan	Academia Sinica Grid Computing (ASGC)	
TH	Thailand	Thailand Research Education Network Association (ThaiREN)	
VN	Vietnam	National Agency for Science and Technology Information (NASTI)	

* As of March 2018. Ongoing updates
** Link contributions: AU, CN, HK, IN, JP, KR, NZ, PH, SG, LK, TW, US
*** Other regions (Central Asia, Africa and Latin America) could be connected via global R&E networks such as: GÉANT and Internet2

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 sciences:
Particle Physics such as Large Hadron Collider (LHC), Nuclear Fusion Science (NFS), computational lenses, and grid computing.

Earth Observation

Asi@Connect leverages 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.

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CFP activities profiles(results)

- CFP activities result
  - Program Brief: target audience, objective, approach, program, and impact
  - Voices from the filed: video clips, interview with participants, and photo
- Interview with participants
  - Important reference and feedback for Asi@Connect stake holders and TEIN community
- Need NREN's help for coordinate with CPF project organizer and participants

Capacity Building Workshop for AfgREN (July 2017)

- What made you sign up for this workshop?
  " To learn more and improve my skills and knowledge in the field of IT to better manage and run my daily tasks."
- Did the training live up to your expectations? 8 months on from the workshop, have you had a chance to put the acquired know-how into practice in your day-to-day job?
  "Yes it was according to my expectation and I have applied all the skills and knowledge that I have learnt in my day to day activities but I do request to attend more advances training in the future."
- What would be on top of your wish list for a training workshop in the future?
  "I do need to attend more advance long-term training as configuration routers, switches, and servers troubleshooting and others training in the future field of IT"

What we need for visibility and PR activities?

We should emphasise impact of Asi@Connect activities

- Stories and cases of NRENs, CFP activities and users
- Voices in the fields
- Communication among partners before and after event/meetings
- Disseminate through NRENs, Asi@Connect and global communication channels such as ‘in the fields’ blog
- Any suggestions to TEIN*CC are welcome

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eunjinhu@teincc.org