

March 26 2018

KOREN UPDATE

The 3rd Asi@Connect Project Meeting

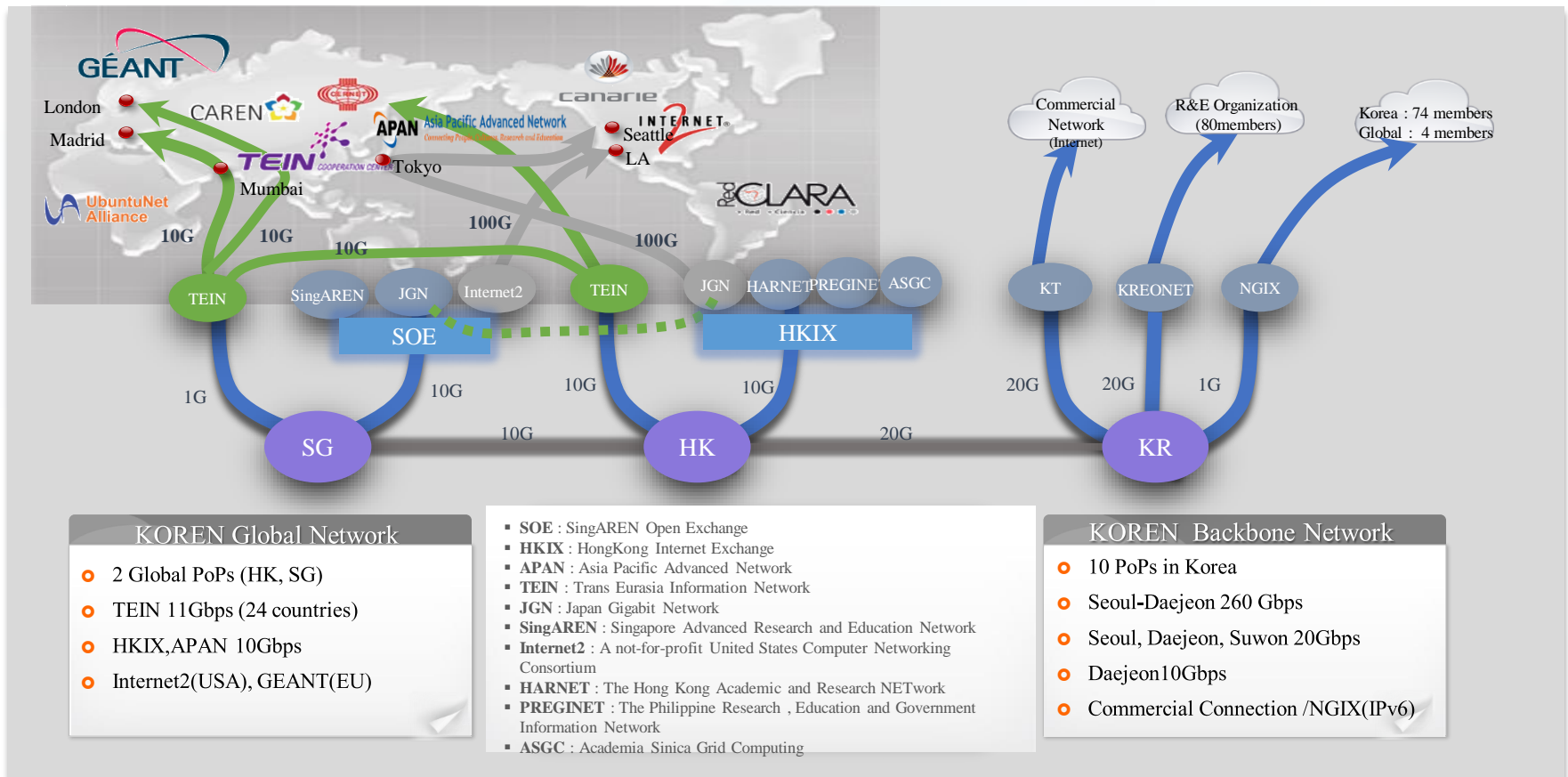


Mina Son

Executive Principal
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National Information Society Agency

KOREN International Infrastructure

- Contractor : Consortium of LGU+, KT and SK Broadband
- Period : Mar. 2016 ~ Dec. 2018
- Connect to JGN, HARNET, PREGINET and ASGC via HKIX at HK POP
- Connect to SingAREN, Internet2 and JGN via SOE at SG POP



- ### KOREN Global Network
- 2 Global PoPs (HK, SG)
 - TEIN 11Gbps (24 countries)
 - HKIX, APAN 10Gbps
 - Internet2(USA), GEANT(EU)

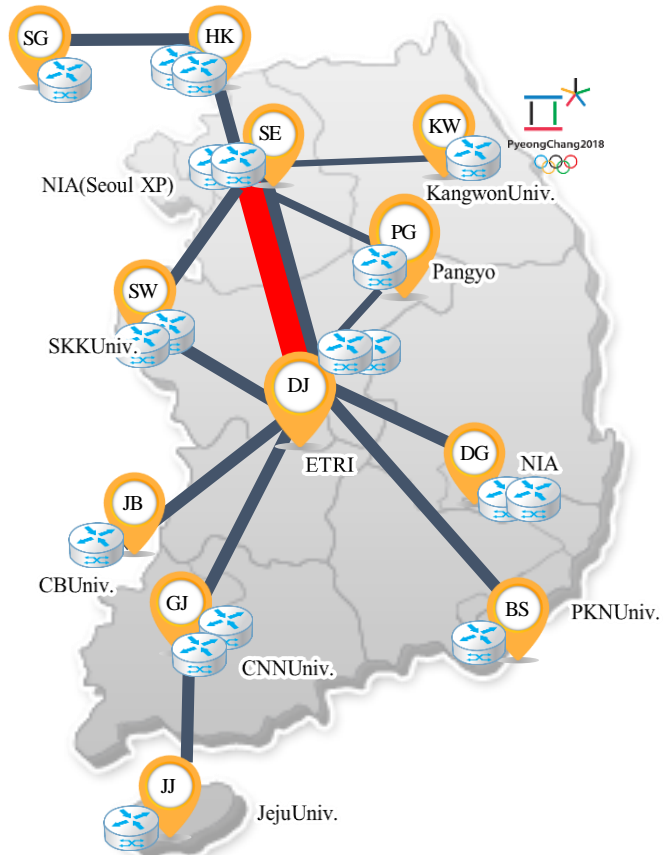
- SOE : SingAREN Open Exchange
- HKIX : HongKong Internet Exchange
- APAN : Asia Pacific Advanced Network
- TEIN : Trans Eurasia Information Network
- JGN : Japan Gigabit Network
- SingAREN : Singapore Advanced Research and Education Network
- Internet2 : A not-for-profit United States Computer Networking Consortium
- HARNET : The Hong Kong Academic and Research NETWORK
- PREGINET : The Philippine Research , Education and Government Information Network
- ASGC : Academia Sinica Grid Computing

- ### KOREN Backbone Network
- 10 PoPs in Korea
 - Seoul-Daejeon 260 Gbps
 - Seoul, Daejeon, Suwon 20Gbps
 - Daejeon 10Gbps
 - Commercial Connection /NGIX(IPv6)

KOREN Backbone Network

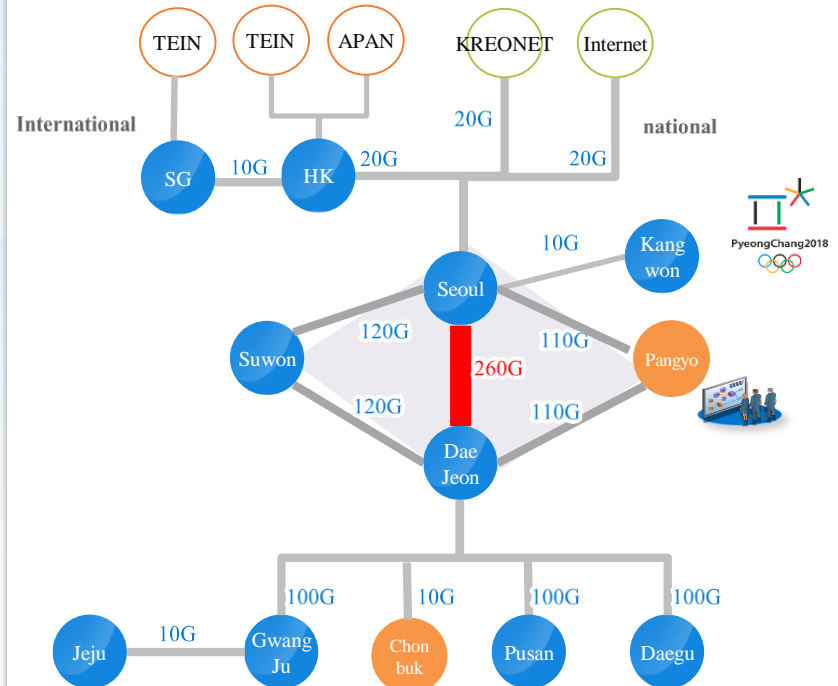
KOrea advanced **RE**search **N**etwork : **76** members

Backbone Topology



Backbone Capacity

Seoul~Daejeon Backbone 260G, Capital area 120G, Province 110G
International & KREONET, Commercial etc.. 10~20G



AI Network Lab @ Pangyo

① Function Test (182 m²)

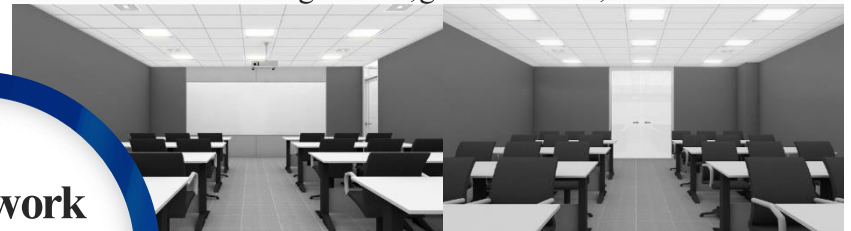
“ Providing test and verification such as function · performance, stability, security and compatibility to SDN/NFV, 5G mobile communication Supporting national project function test such as 10 G Internet, Wi-Fi, etc Target: Network-related SMEs, the 2nd Pangyo companies ”



② Education Training (90 m²)

“ Education training program which is related to future network technologies such as SDN/NFV, IoT network, 5G, etc. ”

Target: SMEs, graduate students, etc



AI Network
Lab



“ Exhibits for information network history of high-speed network, broadband network, super-connected network and KOREN achievements, seminars ”

④ Exhibits and Seminars (139 m²)

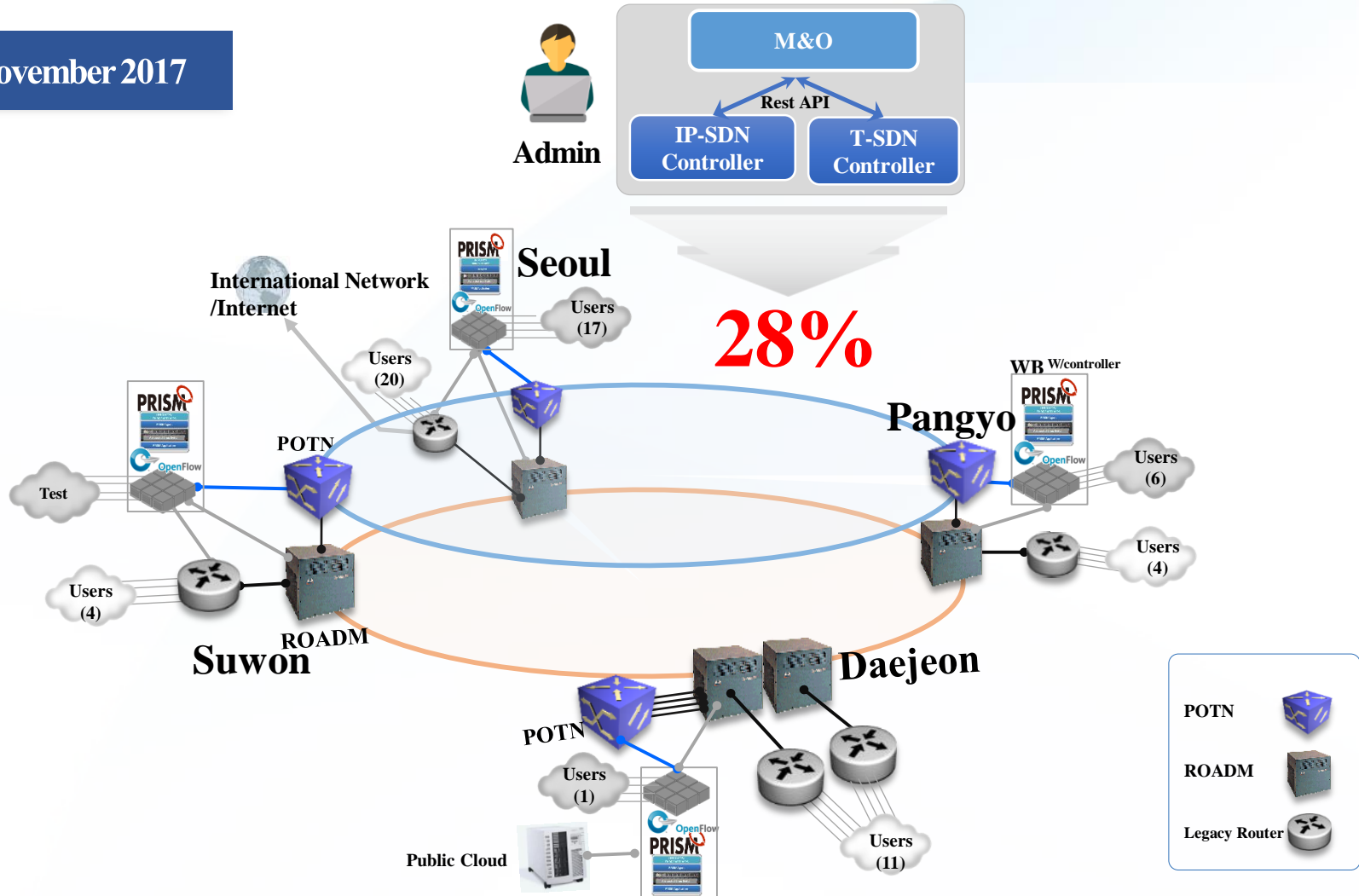


“ KOREN operation and technical support for SW-based network, 40G dedicated network, Dark Fiber, etc. ”

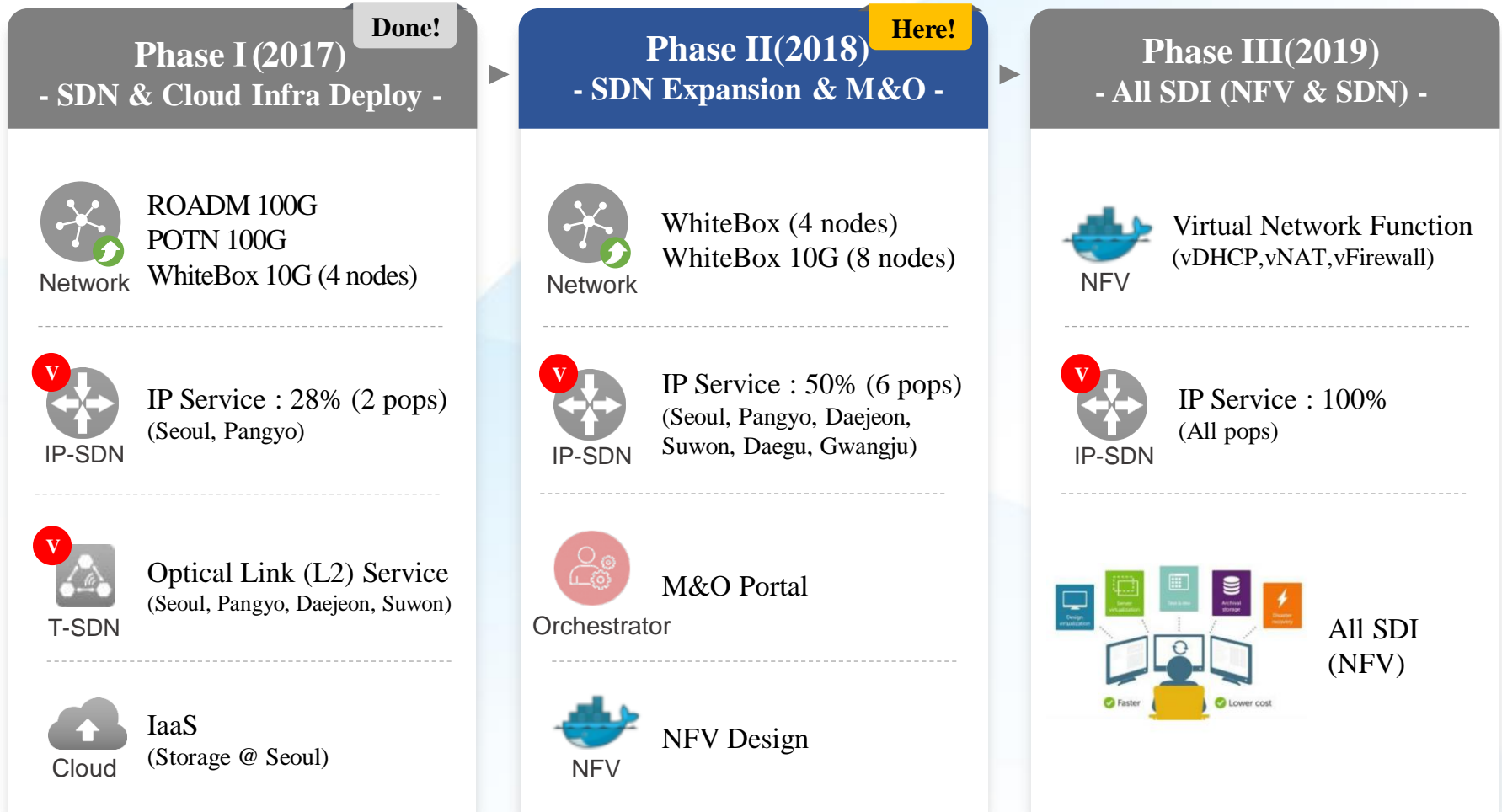
③ Network Operation and Support (109 m²)

Users - Migrated to SDI

November 2017



KOREN SDI Roadmap



Thank you

