

eduroam development in Republic of Korea

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Contents

- History of eduroamKR
- eduroamKR Hierachy
- eduroamKR Statistics
- Active eduroamKR sites
- Attentions on Public Wi-Fi in Korea
- Obstacles to extend eduroam in Korea

History of eduroamKR

2012.08.13

- **eduroamKR launched**

- KREONET(KISTI) is designated as NRO by GeGC Global eduroam Governance Committee

2012.08.24

- **K-eduroam launched**

- ICT Council of National Universities with 12 members
HQ : JNU (Chonnam National University)

2015.04.15

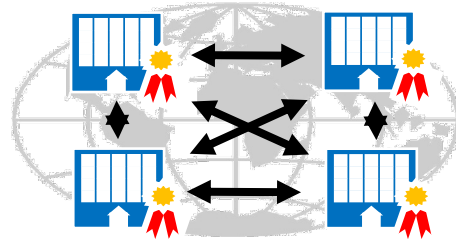
- **MOU between eduroam KR and K-eduroam**

- JNU : RO for National Universities
- KISTI : NRO + RO for Research Institutes & others

2019 current

- **eduroamKR service** with 69 members and 22K APs

eduroamKR Hierachy

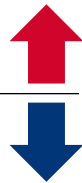


EU: Netherlands, Denmark / Asia-Pacific: Hongkong, Australia



- Researches on Intl. Roaming Service
- Management on Intl. Auth. Service
- Support Intl. Auth. Troubles

- Member (IdP/SP) management
- Management on Domestic Auth. Service
- Support and Tanning on Auth. Service



Natl. Research. Inst., etc

Center for Commercial Area

Companies

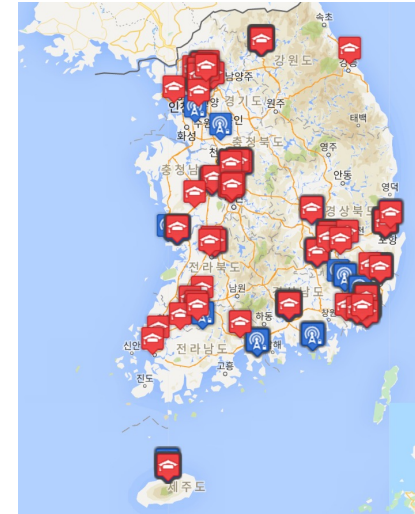
전남대학교
CHONNAM NATIONAL UNIVERSITY

Center for Higher Education

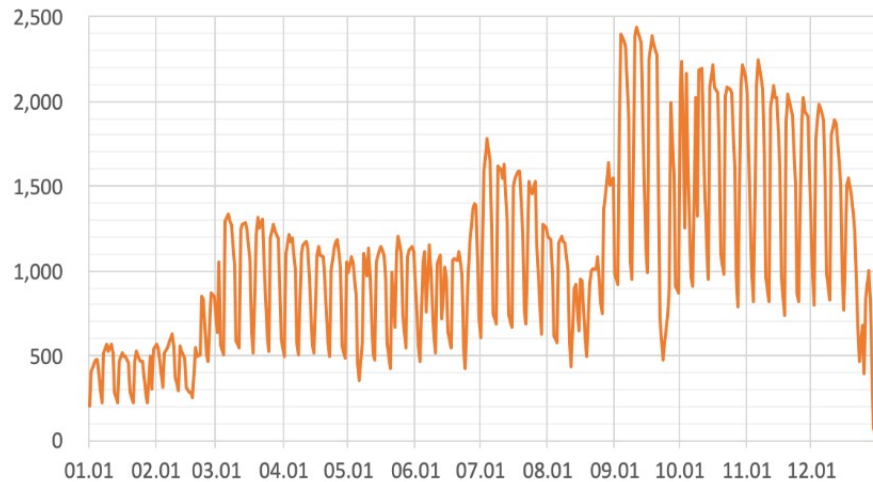
Universities

eduroamKR Statistics

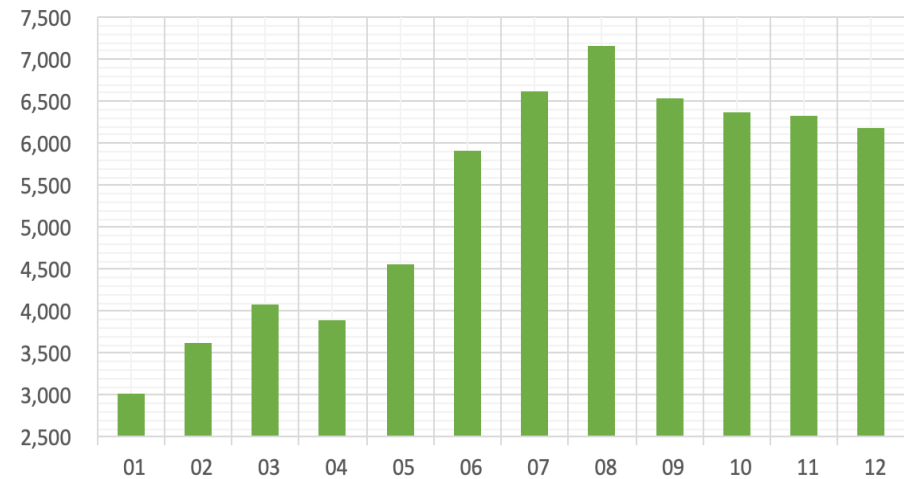
- 69 Partners, 22K APs in Korea
- Max DAU 2.5K, MAX MAU 7K in 2018



DAU (Daily Active Users) in 2018



MAU (Monthly Active Users) in 2018



Active eduroamKR sites



KISTI – KAIST – CNU Area in Daejeon, Korea

Active eduroamKR sites



Yonsei & Ehwa Univ Area in Seoul

Attentions on Public Wi-Fi in Korea

문재인

내 삶을 바꾸는 정권 교체

여섯!

와이파이 프리
대한민국!

대한민국 발 닿는
어디든 와이파이존!

“ 모든 공공시설에 공공와이파이
설치를 의무화 하겠습니다.
통신사 와이파이존이 없는 곳은 중앙정부,
지방정부가 함께 공공와이파이존을 신설하겠습니다.

Candidate Manifesto of Current President
to reduce household communication cost

Wi-Fi Free Korea!

Wi-Fi Zone for Your Every Steps

Public Wi-Fi deployment is
mandatory on Every Public Facilities

Attentions on Public Wi-Fi in Korea

**버스 공공와이파이
무료로 이용하세요!**



고장신고 1811-9398
(☒ 문자만 가능 / 차량번호 기재 필수)

차량번호

과학기술정보통신부 NIA 한국정보화진흥원  Global Integration 세계속의 경기도

Free Wi-Fi on 4.2K buses in Korea
from May 2019

Real measurements & Quality

- 1.05Mbps, RTT 500ms
- Outages on several spots

Obstacles to extend eduroam in Korea

- High penetration rate of smartphones with LTE
 - No uncomfortable even though no Wi-Fi zones
- Early introduced telco's national-wide Wi-Fi
 - NETSPOT(KT) since 2002, All subway stations has telco APs
- Wi-Fi prohibited in the most of governmental & national institutes
 - Regulations & recommendations by NIS (National Intelligence Service, Korea version of CIA)
- Heavy workload to respond annual security audit conducted by NIS
 - More works if not use ITSCC certified product
- Lack of funds + human resources in the institutes
 - Some organization has no engineers; outsourced its Wi-Fi to Telco
- Already introduced legacy product with restricted features
 - eduroam possible if it has realm and proxy support
 - No network changes if campus network is fine

Thanks