

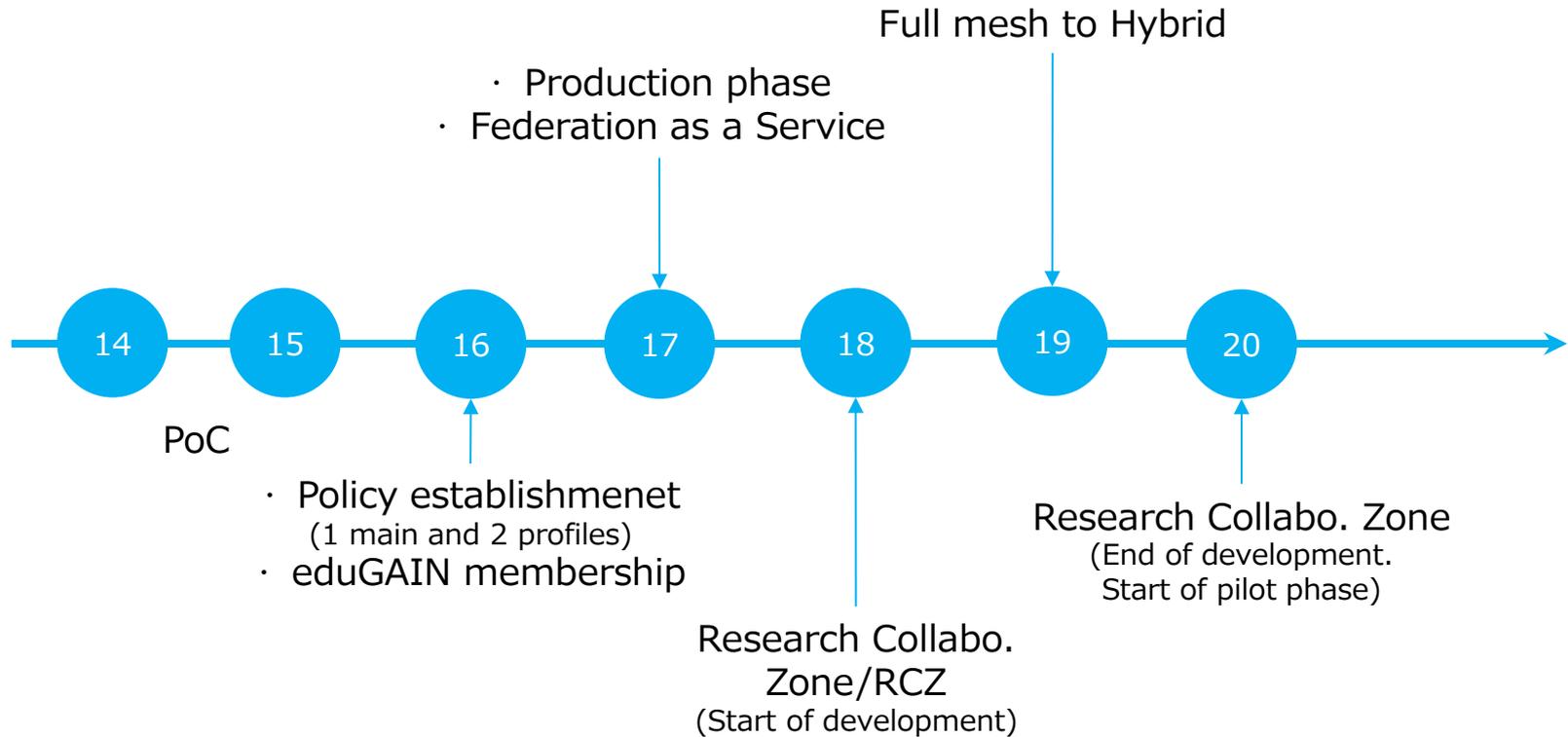
Korean Access Federation 2020' Update

Jinyong JO

jiny92@kisti.re.kr

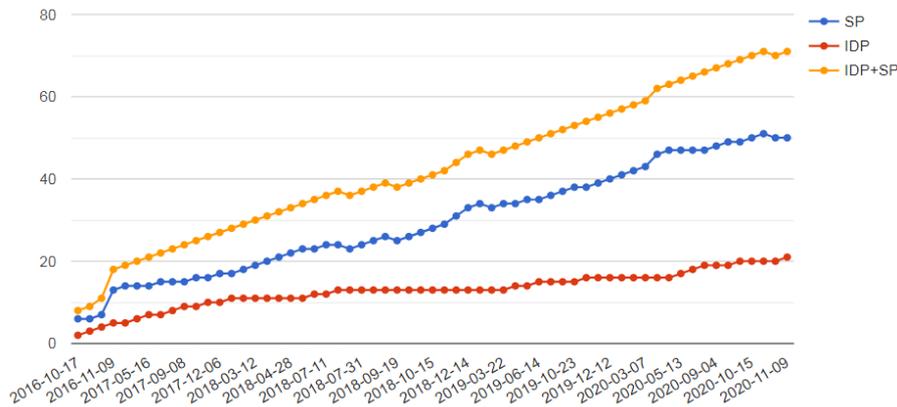
<https://www.kafe.or.kr>

History



Scale Up

- 67 entities (4Q/2020)
 - Including 21 KR institutions
 - Excluding eduGAIN entities
- 300,000 federated users



Growth of KAFE



Federations summary

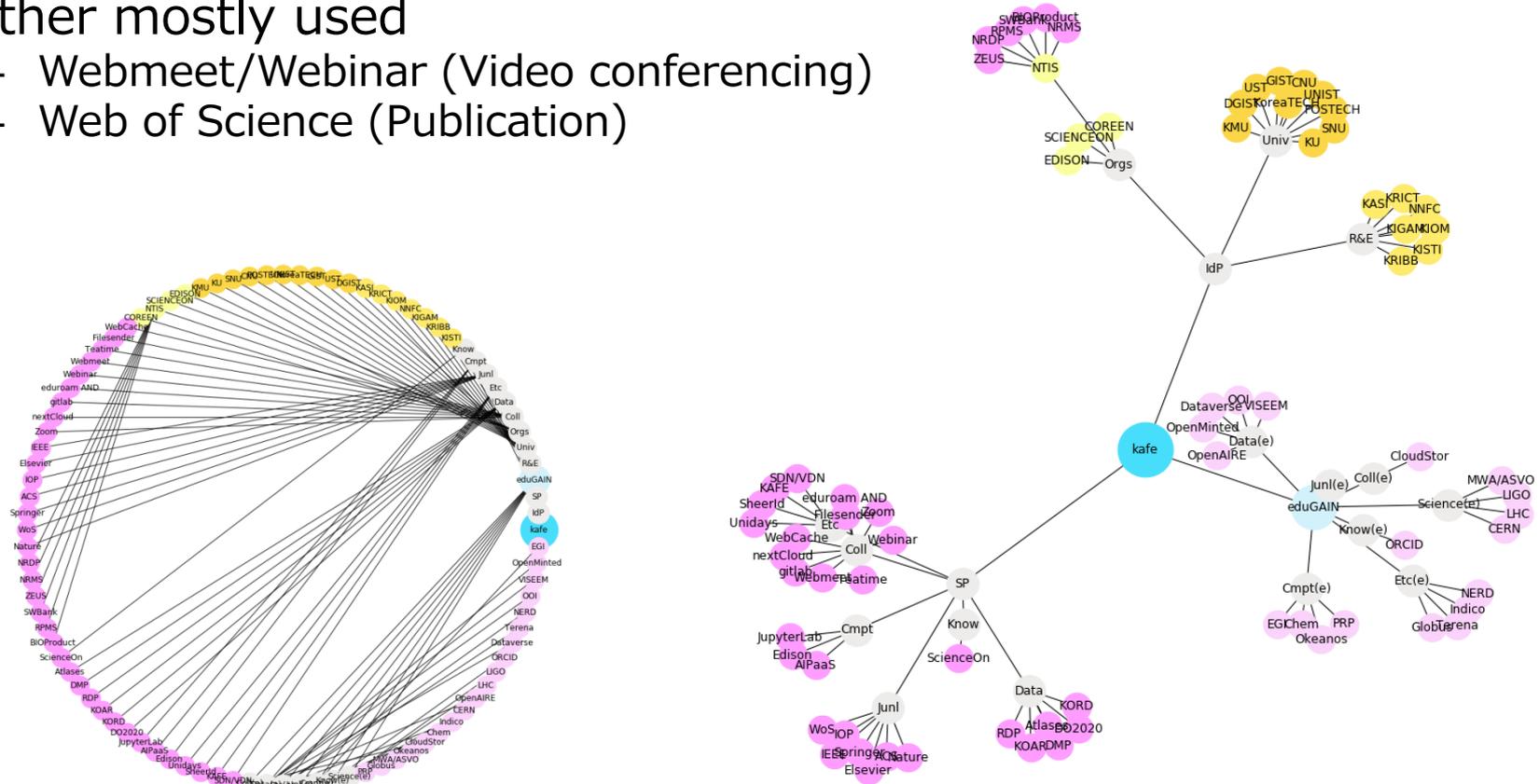
Total: 74 Export ▾

NAME	COUNTRY	ENTITIES	IDP	SP	AA
CAF Federation	Canada	158	85	73	0
CARSI Federation	China	157	101	56	0
SAFIRE	South Africa	157	43	115	0
SIR Federation	Spain	149	125	25	0
INFED	India	126	96	30	0
Tuakiri Federation	New Zealand	88	15	73	0
MINGA	Ecuador	80	79	1	0
WAYF Federation	Denmark	79	61	18	0
KAFE	South Korea	67	21	46	0
LAIFE Federation	Latvia	62	16	44	0
LIAF	Sri Lanka	58	47	11	0
LITNET FEDI Federation	Lithuania	53	21	32	0
COFRE Federation	Chile	47	12	35	0
Grid Identity Pool Federation	Italy	47	8	39	0
SIFULAN Malaysian Access Federation	Malaysia	43	11	32	0
OMREN Federation	Oman	38	36	2	0
RCTSaai Federation	Portugal	37	29	8	0
CSTNet Cloud Federation	China	35	13	22	0

Img src: www.refeds.org

Application Services

- Mostly used science applications
 - DataOn/Korea Open Research Data
- Other mostly used
 - Webmeet/Webinar (Video conferencing)
 - Web of Science (Publication)

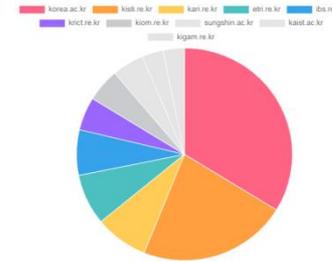


KAFE members and partners (86 entities including service providers enrolled in eduGAIN)

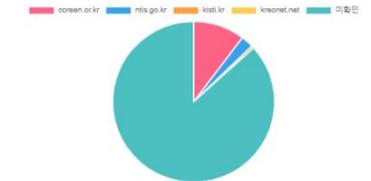
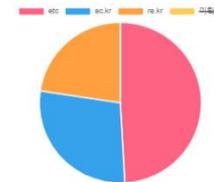
Users of our Services

- 14 Inst. & 19 Univ.
- 2 big members in Education
 - Korea University
 - Seoul National University
- 2 big members in Research
 - Korea Institute of Chemical Technology
 - Korea Astronomy & Space Science Institute

R&E 기관 통계(Top 10)

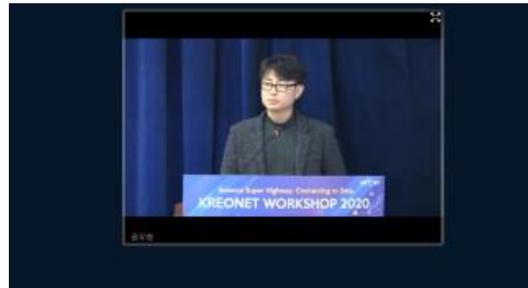


기타 기관 통계(Top 10)



Responding to COVID-19

- Video conferencing
 - Timely deliver two web-based VC applications
 - Webinar: <https://webinar.kafe.or.kr> (social login powered by the RCZ)
 - Webmeet: <https://webmeet.kafe.or.kr>
- Off-site e-journal access
 - Increase in telecommuting however, VPN-based access is costly
 - 8 journal publishers have joined
 - 3 publishers on going

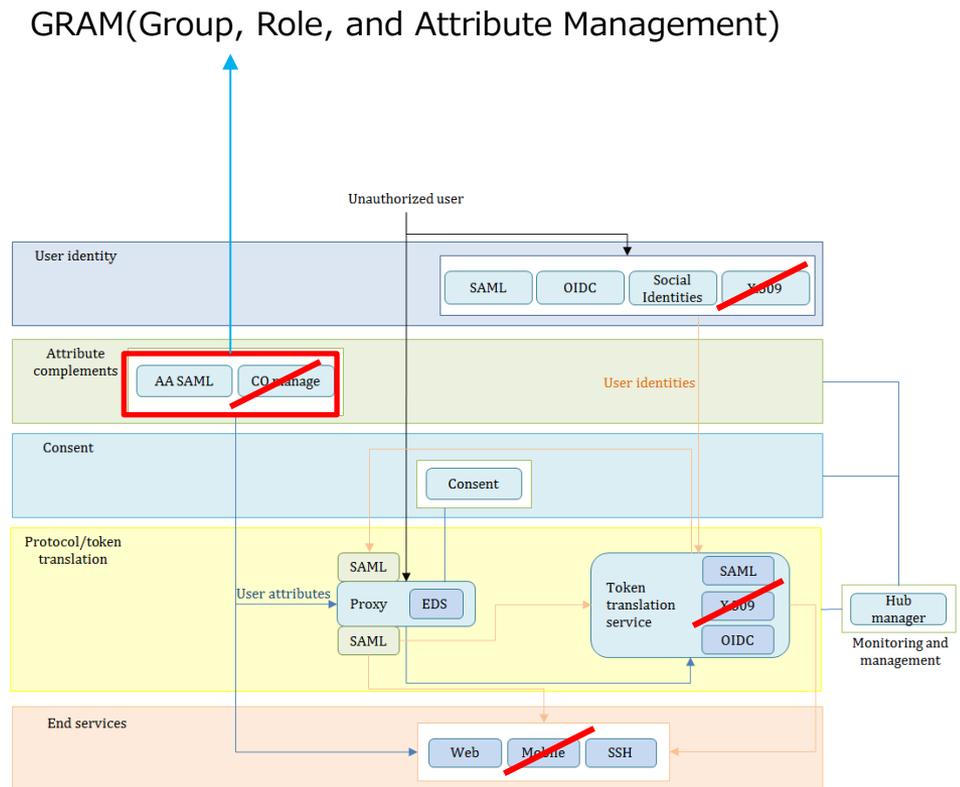


Over 74,000 users have used our VC applications

Realized by our AA Infra.

(Research Collaboration Zone)

- 3-year development
 - AARC Blueprint Arch.
- 5 subsystems
 - SAML proxy
 - 2 OIDC brokers
 - GRAM
 - Hub manager
- Main features
 - Social login
 - CO/Group management
 - IdP Proxying
 - OIDC (code flow)
 - Authorization/Access control
 - OpenSSH
 - Monitoring



10 collaboration services are bridged by the RCZ

Korean Access Federation

<https://www.kafe.or.kr>