



北京大学
PEKING UNIVERSITY



赛尔网络
CERNET

国外身份联盟发展情况介绍



北京大学CARS1项目组

2022年3月



欧洲GEANT

Services - GÉANT

GÉANT Association [NL] | https://www.geant.org/Services

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NETWORKS SERVICES PEOPLE INNOVATION PROJECTS

NEWS & EVENTS RESOURCES ABOUT

Home > Services

Services

Delivering innovative services to empower international research and education.

Tweet

GÉANT develops the services its members need to support researchers, educators and innovators - at national, European and international levels.

Message

Print

Our portfolio of advanced services covers connectivity and network management, trust identity and security, real-time communications, storage and clouds and professional services.

Connectivity & network management
Connectivity services support the NRENs in delivering world-class network facilities to the research and education community.

Trust, identity & security
Securing access to services and providing federated identity systems to enable efficient collaboration.

Cloud services

Special Interest Groups & Task Forces

Working together across the community to develop the next generation of networking technologies and services.

Find out more >



美国Internet2

The screenshot shows a web browser window with the URL [Internet2.edu/security/identity-and-access-management/](https://internet2.edu/security/identity-and-access-management/). The page features a teal header with the Internet2 logo and navigation links: "I Want To...", "Network", "Security", "Cloud", and "Community". A secondary navigation bar includes "Solutions", "Services", "News", "Events", and "Contact". The main content area has a large heading "Identity and Access Management" and a sub-heading "Internet2 offers a complete suite of identity and access management (IAM) services and community-source software". A highlighted box contains the text "Security, Privacy, and IAM Tools Built for Research and Education" and a button that says "Get the Latest on eduroam →".



美国Internet2

The screenshot shows the Internet2 website with a teal header. The navigation menu includes 'Solutions', 'Services', 'News', 'Events', and 'Contact'. Below the menu, there are links for 'I Want To...', 'Network', 'Security', 'Cloud', and 'Community'. A red circle highlights the 'Security' link in the menu. Below the menu is a red button that says 'Get the Latest on eduoam →'. The main content area features three articles:

- Single Sign-on Across Campus and Around the World**
The InCommon Federation provides secure single sign-on access to cloud and local services, and global collaboration tools. We connect millions of users and hundreds of educational institutions, research organizations, and commercial resource providers.
[More at incommon.org →](#)
- Wi-Fi Just Got Easier**
Be a wireless hero! Provide your faculty, students, and staff with eduoam seamless access to global roaming wi-fi. They open their laptops and are connected (at participating organizations).
[More at incommon.org →](#)
- Unlimited Server and User Certificates**
The InCommon Certificate Service provides unlimited security certificates for one annual fee, covering all of your domains.
[More at incommon.org →](#)



美国身份认证联盟InCommon

□ Inernet2可信和身份服务的重要部分，主要面向高等教育机构、研究组织和他们的合作者提供服务

	InCommon
运行模式	商业化运行 1. 专设管理办公室 2. 一次性注册费：\$700 3. 年费， 高等教育：按照卡内基分类，1个IdPs, <50SPs 2020.1: \$12,000/\$9,000/\$6,000/\$2,500 之前: \$5,025/\$4,025/\$2,575/\$1,755; 研究机构：按照全职人员，最高\$12,000 (1万人以上) /\$9,000/\$2,500 合作伙伴：年营业额，最高\$12,000/\$6,000/\$2,500
Participants	774
IdPs	539
SPs	5397
成员	高等教育 (706)、政府、非盈利组织、实验室、研究中心 (40)、合作伙伴 (295)
Certificate service	673学校
其他典型应用	图书馆电子资源、google、微软、等



UK JISC

Jisc

Powering world-class education and research

Search Jisc

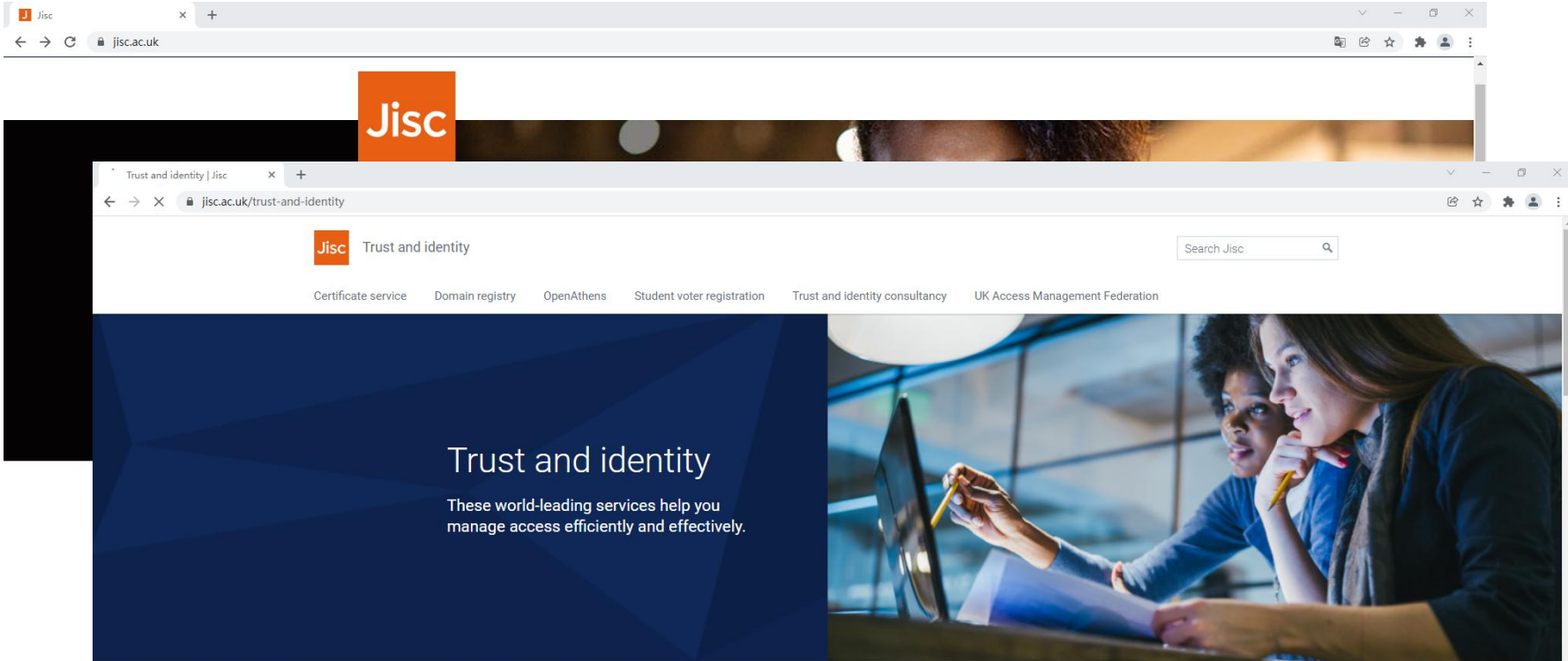
How we can help

- Cloud**
Consultancy, support and reseller of services
- Connectivity**
Connection services and infrastructure
- Cyber security**
Protecting the network and your organisation
- Libraries, learning resources and research**
Shared services, infrastructure and advice
- Student experience**
Tools to enrich learning and employability
- Trust and identity**
Manage access efficiently and effectively

Spotted an issue?



UK JISC



Supporting you with verification

If you need a way to verify data, or the status of staff and students you're responsible for, we can help you choose a service with the right capabilities for you.

[Prospects Hedd](#)

Part of our [student experience](#) offering, Hedd offers a simple way for employers, agencies, universities, embassies and councils to check a candidate's degree qualifications.

VerifID

Providing instant verification of an anonymous user's affiliation within the UK research and education community, using the UK Access Management Federation. [Visit verifid.ac.uk for more information.](#)



英国Access Management Federation

	UK federation
成员单位	1237
商业服务	250
是否收费	免费

□ IdP收益:

- 技术成熟
- 改善用户服务
- 兼容现有访问控制
- 运维问题少

□ SP收益

- 无需维护用户库
- 用户支持要求低
- 运维空间要求低

□ 终端用户收益

- 用户身份简单
- 用户信息保存可控
- 服务提供商可以细化服务

□ 教育部门收益

- 教育行业管理一致
- 改善用户体验
- 专业技术人员要求少
- 教育机构之间模式复制简单
- 推动机构间的内容共享和合作



APAN: Identity Federation Session

Agenda – APAN52 Indonesia

apan52.apan.net/agenda/

Homepage About Program

No Track

Yusuke Komiyama
Associate Professor
National Institute of Informatics
[Speaker's Page](#)

Session Recording

Hiroki Kashiwazaki
[Read More](#)

Identity Federation Updates

9:00 AM - 10:30 AM

Application

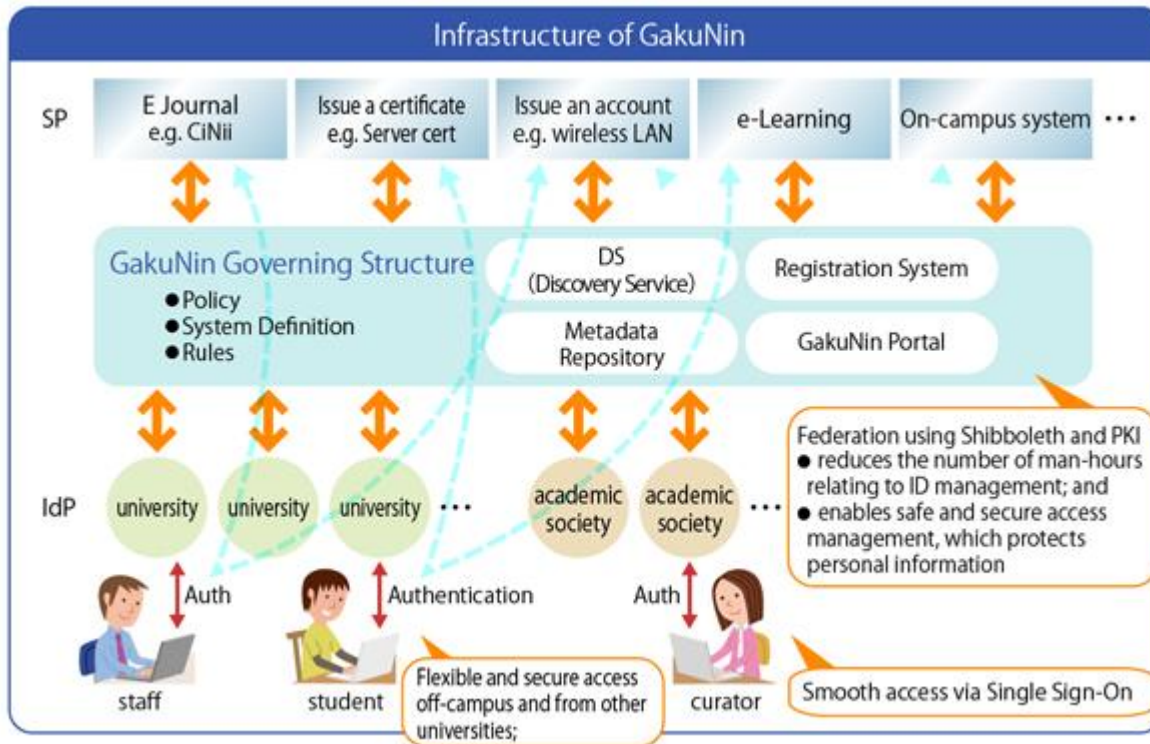
Terry Smith
Head of Support
Australian Access Federation
[Speaker's Page](#)

Vlad Mencl
Senior Software Engineer
REANNZ
[Speaker's Page](#)

Irfan Hakim Bin Abu Samah
Software Engineer
SIFULAN Malaysian Access Federation
[Speaker's Page](#)

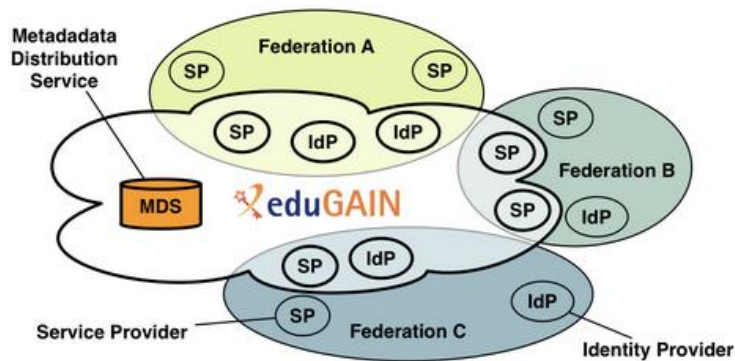
日本Gakunin

□ 国立情报学研究所NII (National Institute of Informatics) 主持建设



	GakuNin
IdP	272
SP	130

全球身份认证联盟eduGAIN interfederation of NREN Identity Federations



eduGAIN Service diagram - How eduGAIN works

- 欧盟发起，欧洲GEANT项目开发的网络服务之一
- 最初目标：促进欧盟和欧洲各国NREN的合作
- 实现世界各地身份联盟的互联，简化全球教育科研界的资源访问
- 技术优势：
 - 实现联盟间信息的可信交换
 - 降低开发运维新服务的成本
 - 增加已建设服务的用户规模
 - 扩大用户本校身份应用范围

全球身份认证联盟eduGAIN

74个正式成员, 4793个IdP, 3526个SP

Federations in eduGAIN ?	
Participants	73
Voting-only Members	1
Candidates	7
Entities in eduGAIN ?	
All entities	8171
IdPs	4663
SPs	3517
Standalone AAs	3



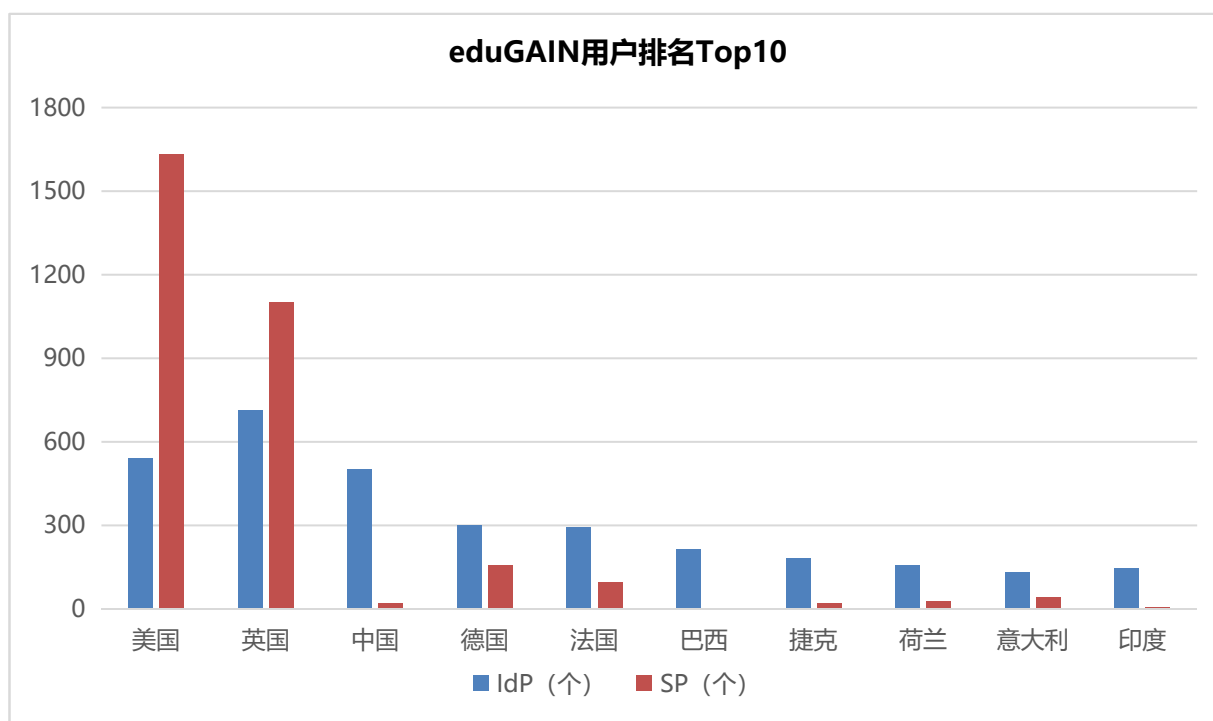
CARSI加入eduGAIN

- 2019年5月24日，成功加入eduGAIN，成为full member
- 2019年10月8日，完成试验环境到产品环境过渡，作为教育网基础服务推出



CARSI在全球身份联盟eduGAIN中的位置

□ 截止2022.2.23, CARSI正式~~上线~~机构数: 521个, 居世界**第三**





CARSI服务



官网：<https://www.carsi.edu.cn>

交流：

- eduroam&carsi 实名交流1群/2群（微信群）
- eduroam&carsi 实名工作群（QQ群：459109095）

邮箱：carsi@pku.edu.cn

服务：各省赛尔分公司