



国外身份联盟发展情况介绍



北京大学CARS1项目组

2021年12月



欧洲GEANT

The screenshot shows the GEANT website's 'Services' page. The browser address bar displays 'https://www.geant.org/Services'. The page features a navigation menu with 'CONTACTS', 'SUPPORT', and 'GATEWAY'. A search bar is present with the text 'Search...'. Below the navigation, there are links for 'NETWORKS', 'SERVICES', 'PEOPLE', 'INNOVATION', and 'PROJECTS', as well as 'NEWS & EVENTS', 'RESOURCES', and 'ABOUT'. The main heading is 'Services' with the tagline 'Delivering innovative services to empower international research and education.' On the left, there are social media sharing options for 'Tweet', 'Message', and 'Print'. The main content area lists three service categories: 'Connectivity & network management', 'Trust, identity & security', and 'Cloud services'. The 'Trust, identity & security' section is circled in red. On the right, there is a 'Special Interest Groups & Task Forces' section with a sub-heading 'Working together across the community to develop the next generation of networking technologies and services.' and a 'Find out more' link.

Services - GÉANT

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

CONTACTS SUPPORT GATEWAY

Search...

NETWORKS SERVICES PEOPLE INNOVATION PROJECTS

NEWS & EVENTS RESOURCES ABOUT

Home > Services

Services

Delivering innovative services to empower international research and education.

Tweet

Message

Print

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

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 red button labeled "Get the Latest on eduroam →".



美国Internet2

The screenshot shows the Internet2 website with a teal header. The navigation menu includes "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 eduroam". 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 eduroam 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	778
IdPs	543
SPs	5381
成员	高等教育 (703) 、政府、非盈利组织、实验室、研究中心 (40) 、合作伙伴 (300)
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

The screenshot shows a web browser displaying the JISC Trust and Identity page. The browser's address bar shows the URL `jisc.ac.uk`. The page features a large blue banner with the text "Trust and identity" and "These world-leading services help you manage access efficiently and effectively." Below the banner, there is a navigation menu with links for "Certificate service", "Domain registry", "OpenAthens", "Student voter registration", "Trust and identity consultancy", and "UK Access Management Federation". A search bar is located in the top right corner. The main content area is partially visible, showing a section titled "Supporting you with verification" with a sub-section for "Prospects Hedd" and "VerifID".

Trust and identity

These world-leading services help you manage access efficiently and effectively.

[Certificate service](#) [Domain registry](#) [OpenAthens](#) [Student voter registration](#) [Trust and identity consultancy](#) [UK Access Management Federation](#)

Search 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.](#)

正在等待 embed...



英国Access Management Federation

	UK federation
成员单位	1242
商业服务	249
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

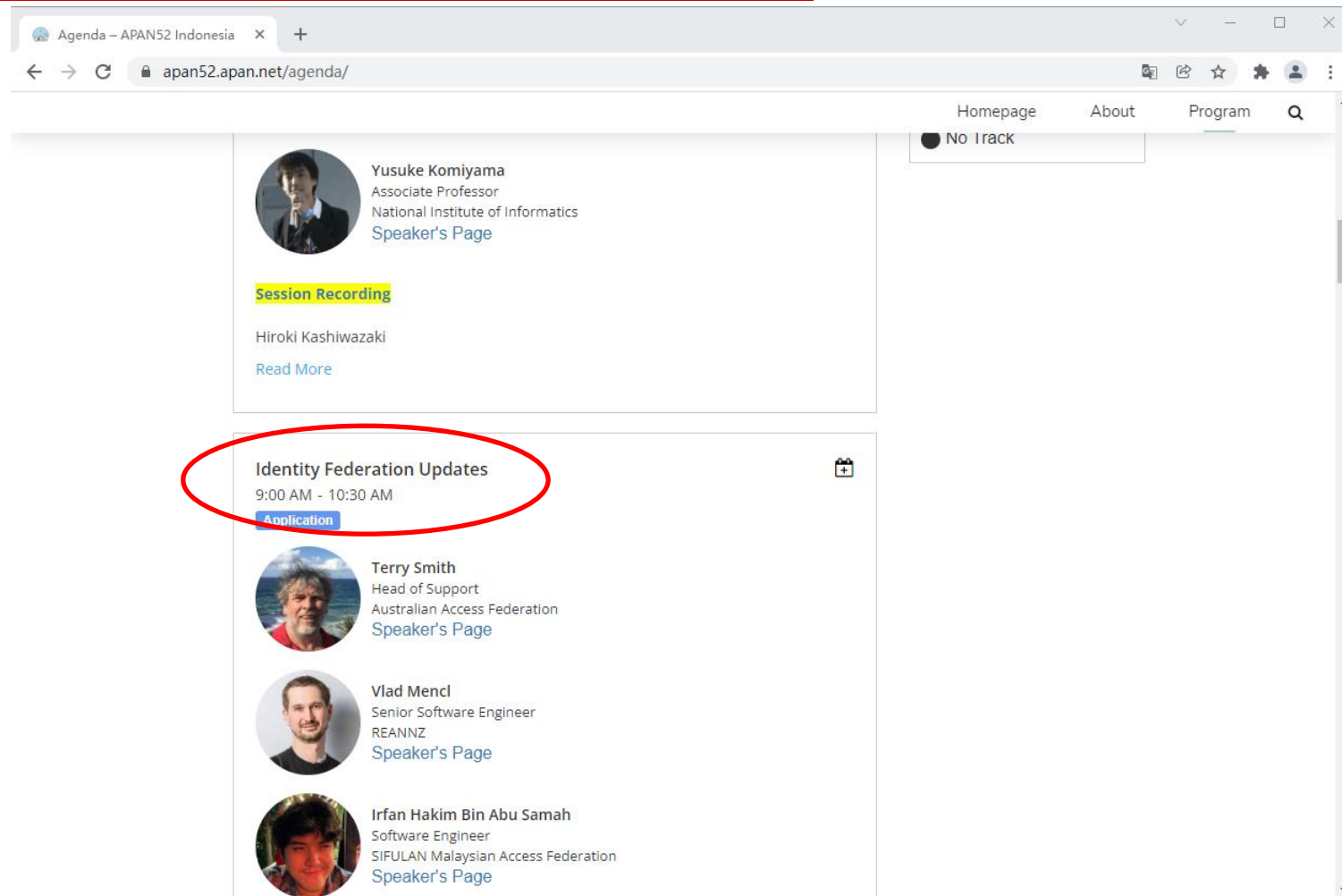
□ 终端用户收益

- 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




The screenshot shows a web browser window with the URL `apan52.apan.net/agenda/`. The page displays an agenda for the APAN52 Indonesia session. The main content area is divided into two columns. The left column features a speaker profile for Yusuke Komiyama, an Associate Professor at the National Institute of Informatics, with a link to his Speaker's Page. Below this is a 'Session Recording' section for Hiroki Kashiwazaki, with a 'Read More' link. The right column has a navigation menu with 'Homepage', 'About', and 'Program' (selected), and a 'No Track' indicator. The 'Program' section lists an event titled 'Identity Federation Updates' (circled in red) from 9:00 AM to 10:30 AM, categorized as an 'Application'. Below this event, three speakers are listed: Terry Smith (Head of Support, Australian Access Federation), Vlad Menci (Senior Software Engineer, REANNZ), and Irfan Hakim Bin Abu Samah (Software Engineer, SIFULAN Malaysian Access Federation). Each speaker has a circular profile picture and a link to their Speaker's Page.

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

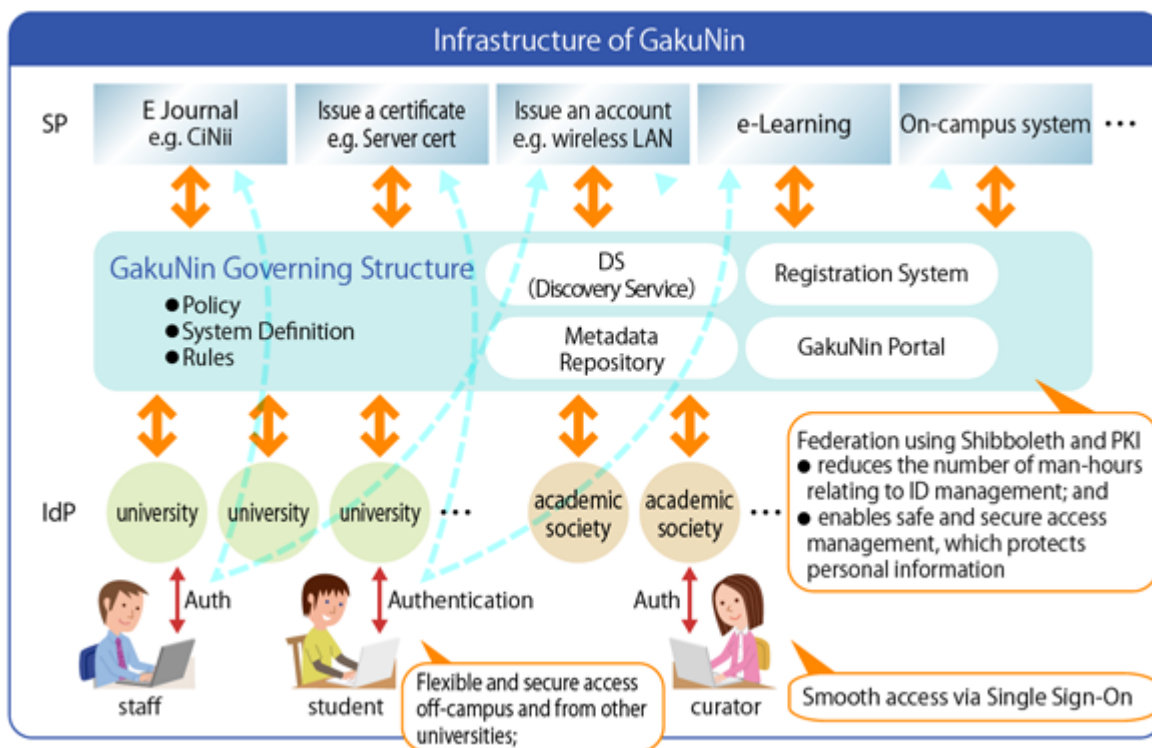
 Terry Smith
Head of Support
Australian Access Federation
[Speaker's Page](#)

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

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

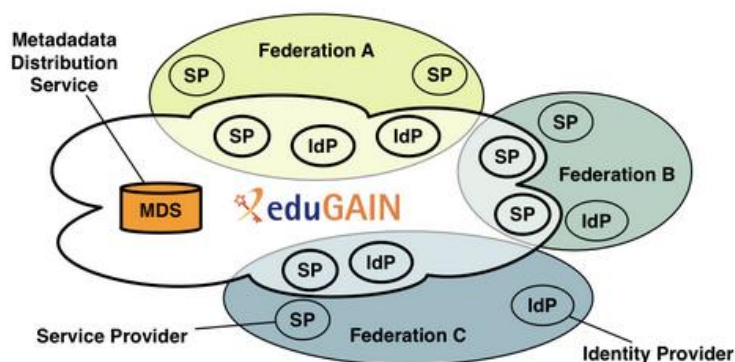
日本Gakunin

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



	GakuNin
IdP	268
SP	123

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

73个正式成员, 4663个IdP, 3517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



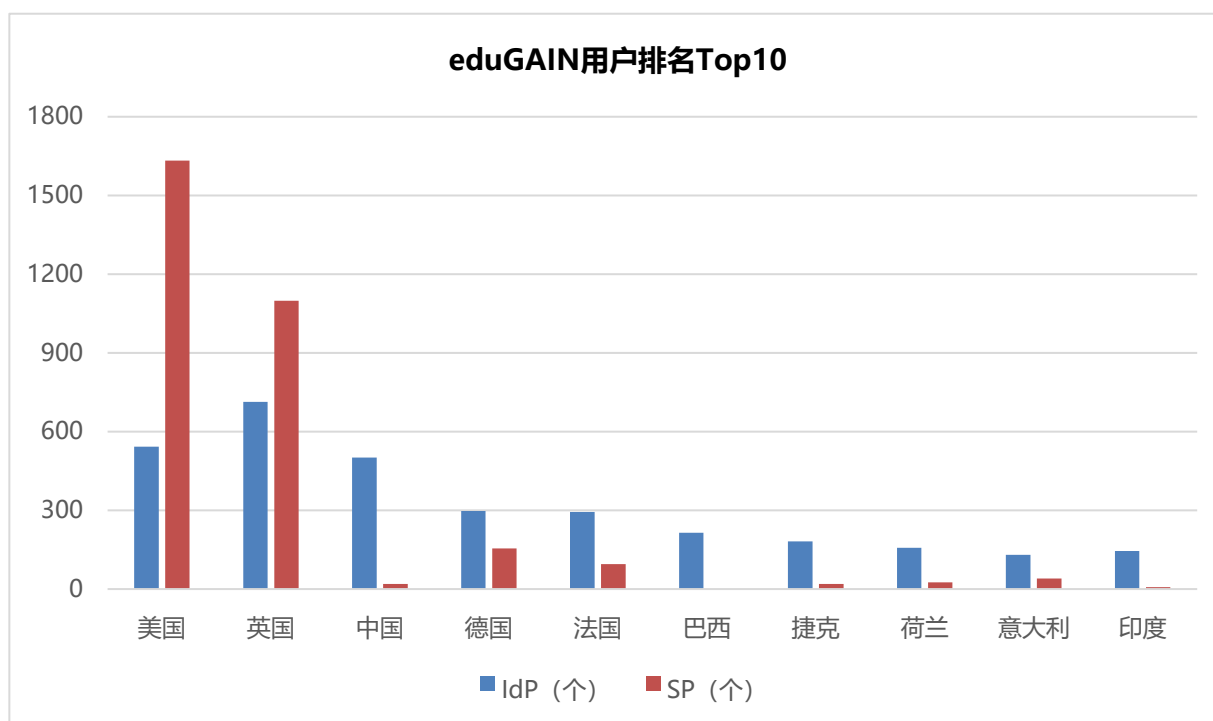
CARSI加入eduGAIN

- 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