



# 国外身份联盟发展情况介绍

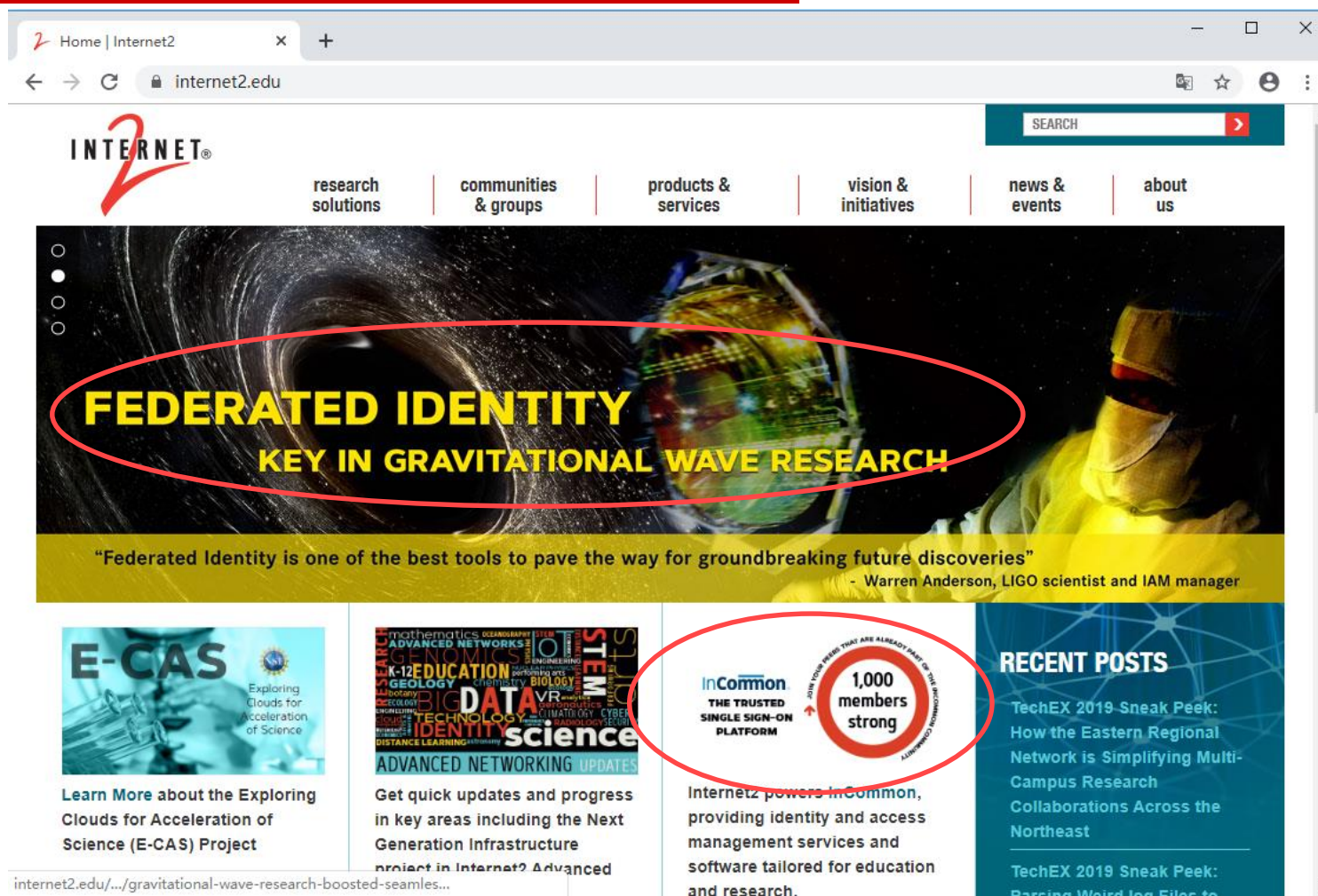
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北京大学CARS1开发运行小组

2019年12月

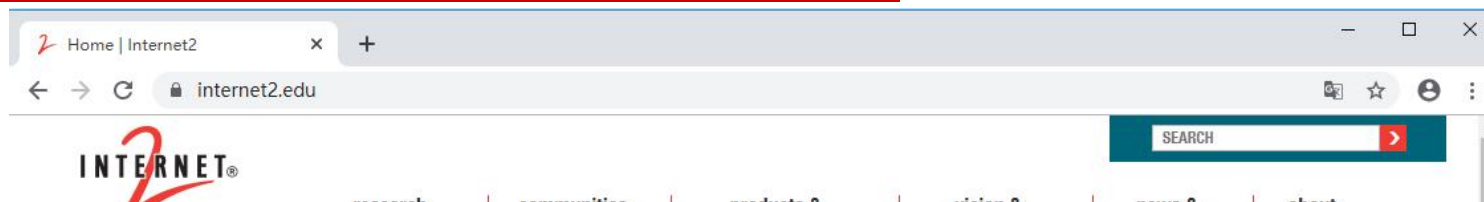
# 美国Internet2



The screenshot shows the Internet2 website homepage. At the top, there is a navigation bar with the Internet2 logo and several menu items: research solutions, communities & groups, products & services, vision & initiatives, news & events, and about us. A search bar is located on the right side of the navigation bar. The main content area features a large banner with a background image of a gravitational well and a person in a lab coat. The banner text reads: **FEDERATED IDENTITY** KEY IN GRAVITATIONAL WAVE RESEARCH. Below the banner, there is a quote: "Federated Identity is one of the best tools to pave the way for groundbreaking future discoveries" - Warren Anderson, LIGO scientist and IAM manager. The bottom section of the page is divided into three columns. The left column features a section for E-CAS (Exploring Clouds for Acceleration of Science) with a "Learn More" link. The middle column features a section for "Get quick updates and progress in key areas including the Next Generation Infrastructure project in Internet2 Advanced" with a link to internet2.edu/.../gravitational-wave-research-boosted-seamles... The right column features a section for "RECENT POSTS" with two articles: "TechEX 2019 Sneak Peek: How the Eastern Regional Network is Simplifying Multi-Campus Research Collaborations Across the Northeast" and "TechEX 2019 Sneak Peek: Parsing Weird Log Files to". A red oval highlights a circular graphic in the middle column that says "1,000 members strong" and "THE TRUSTED SINGLE SIGN-ON PLATFORM".



# 美国Internet2



Learn More about the Experimental Clouds for Acceleration of Science (E-CAS) Project

internet2.edu/.../gravitational-wave-

A screenshot of the InCommon website (incommon.org) with a large white text overlay. The website header includes the 'InCommon' logo and navigation links: SOLUTIONS, HELP, ABOUT, NEWS, and a 'Join InCommon' button. A secondary navigation bar lists: FEDERATION, EDUROAM, CERTIFICATES, SOFTWARE, ACADEMY, COMMUNITY, and a SEARCH button. The main content area features a blue-tinted background image of a network diagram with the text: 

# Trusted Access for Education and Research

Community-designed identity and access management services and software connecting you to the world.

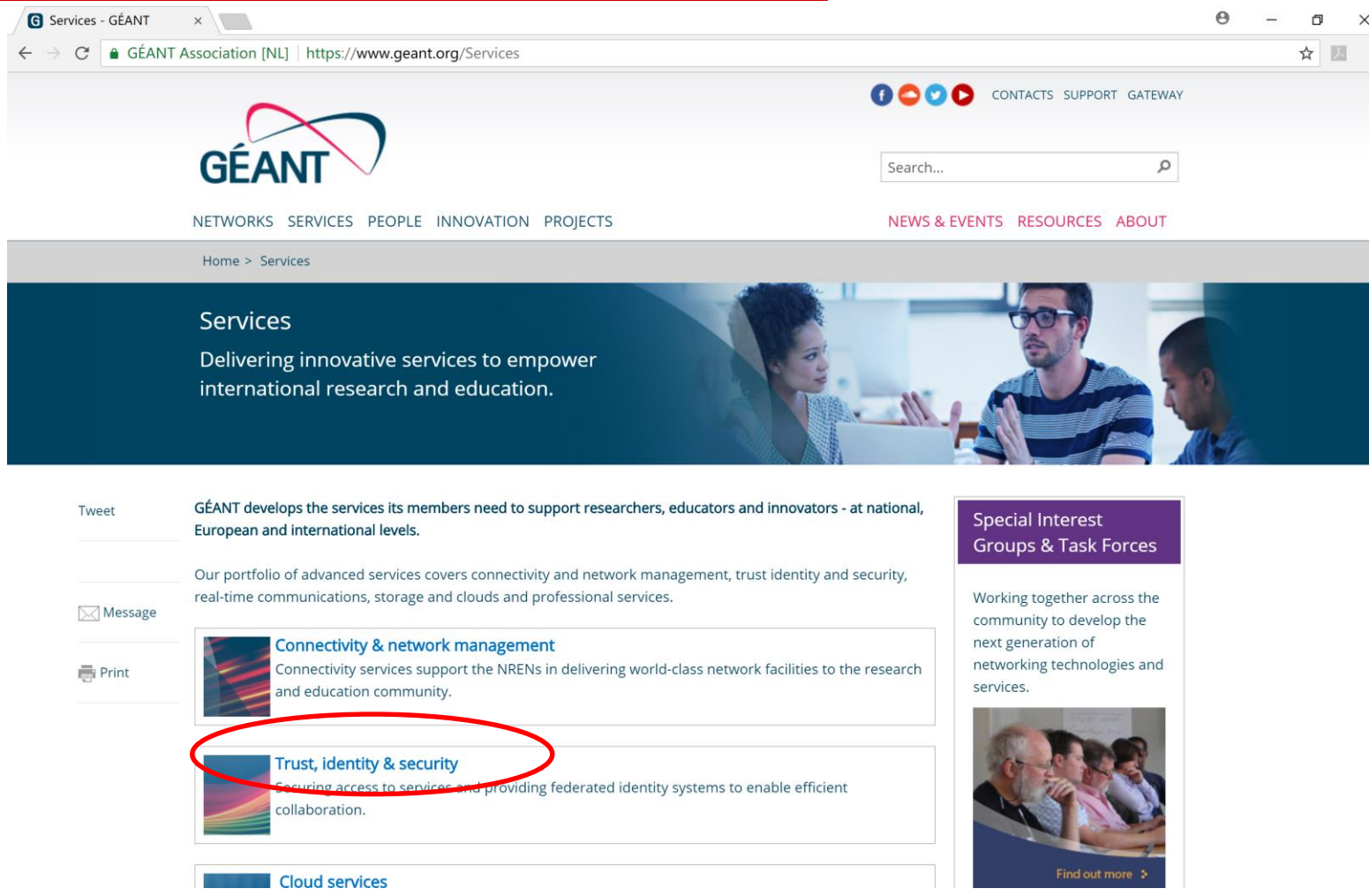


# 美国身份认证联盟InCommon

□ 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 目前：\$5,025/\$4,025/\$2,575/\$1,755; 2020.1：\$12,000/\$9,000/\$6,000/\$2,500 研究机构：按照全职人员，最高\$3,250 合作伙伴：年营业额，最高\$5,025
Orgs	767
IdPs	553
SPs	4764
成员	高等教育 (656)、政府、非盈利组织、实验室、研究中心 (31)、合作伙伴 (284)
Certificate service	427学校，按照卡内基分类，Internet2会员年费\$4,138/\$3,363/\$2,088/\$1,468
其他典型应用	图书馆电子资源、google、微软、等

# 欧洲GEANT



The screenshot shows the GEANT website's 'Services' page. At the top, there is a navigation bar with the GEANT logo, a search bar, and links for CONTACTS, SUPPORT, and GATEWAY. Below the navigation bar, there are links for NETWORKS, SERVICES, PEOPLE, INNOVATION, and PROJECTS, as well as NEWS & EVENTS, RESOURCES, and ABOUT. The main content area features a large blue banner with the text 'Services' and 'Delivering innovative services to empower international research and education.' Below the banner, there are three service categories: 'Connectivity & network management', 'Trust, identity & security', and 'Cloud services'. The 'Trust, identity & security' category is circled in red. To the right of the main content, there is a 'Special Interest Groups & Task Forces' section with a sub-header and a description: 'Working together across the community to develop the next generation of networking technologies and services.' Below this text is a photo of a group of people in a meeting 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

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

Message

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

Print

**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**

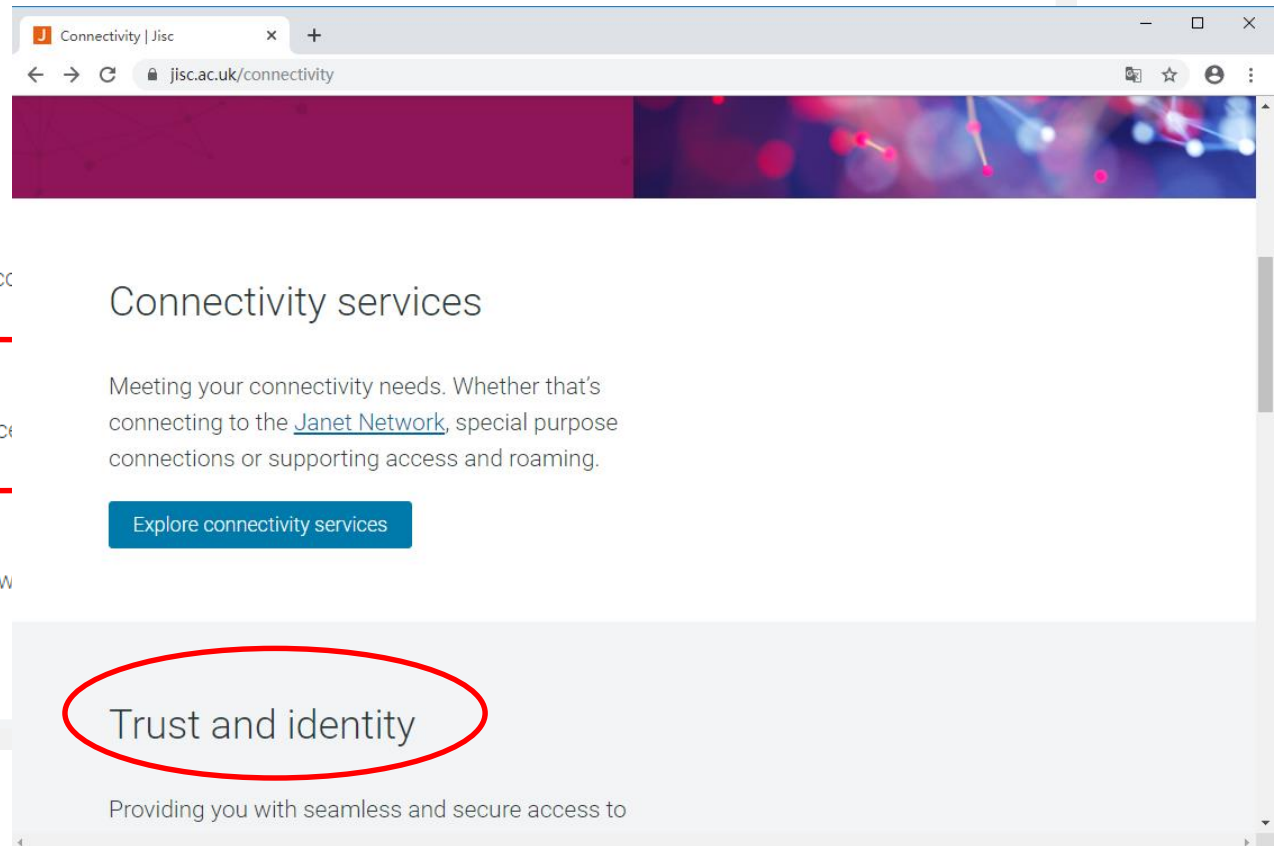
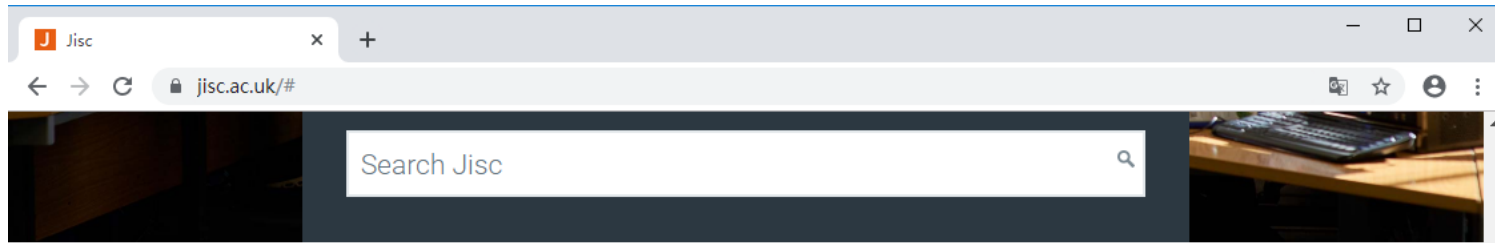
### Special Interest Groups & Task Forces




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

Find out more >



# UK JISC



-  Cloud  
Frameworks and co
-  **Connectivity**  
Connectivity services
-  Cyber security  
Protecting the network organisation

## Connectivity services

Meeting your connectivity needs. Whether that's connecting to the Janet Network, special purpose connections or supporting access and roaming.

[Explore connectivity services](#)

## Trust and identity

Providing you with seamless and secure access to



# 英国Access Management Federation

	UK federation
成员单位	1175
商业服务	238
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 46 PROGRAM (Aug, 05 - 09, 2018)

The screenshot shows the APAN48 website interface. The browser address bar displays 'apan48.my/apansched/'. The search bar contains the text 'iam' and is circled in red. The page features the APAN48 logo with the tagline 'Towards a sustainable societal well-being'. A navigation menu includes 'Home', 'Program', 'Fellowship', 'Registration', 'Venue & Accommodation', 'Travel & Visa', and 'Useful Information'. A message prompts users to switch to 'Schedule>Grid view'. The main content area shows a calendar view for July 21 and 22, with various sessions listed. A sidebar on the right offers filtering options by date, venue, and type.

Asia Pacific Advanced Network x +

apan48.my/apansched/ iam 2/14

**APAN48**  
22-26 July 2019 | Putrajaya, Malaysia  
Towards a sustainable societal well-being

Home Program ▾ Fellowship ▾ Registration Venue & Accommodation ▾ Travel & Visa ▾ Useful Information

Please switch to Schedule>Grid view, if you need the room-wise breakdown of the sessions

Schedule ▾ Speakers

Sign up or log in to bookmark your favorites and sync them to your phone or calendar.

**Sunday, July 21**

2:00pm Asi@Connect Steering Committee Meeting (Closed)

**Monday, July 22**

9:00am [CLOSED] The 6th Asi@Connect Governors' Meeting

APAN Research Workshop 2019 - Keynote speech and SDN

Medical WG: Technology Session IAM Task Force Training - The Federation Operator

Multi-country Multimedia Collaboration NREN Marketing and Communications workshop

SDN Tutorial

Filter By Date  
Jul 21-26, 2019

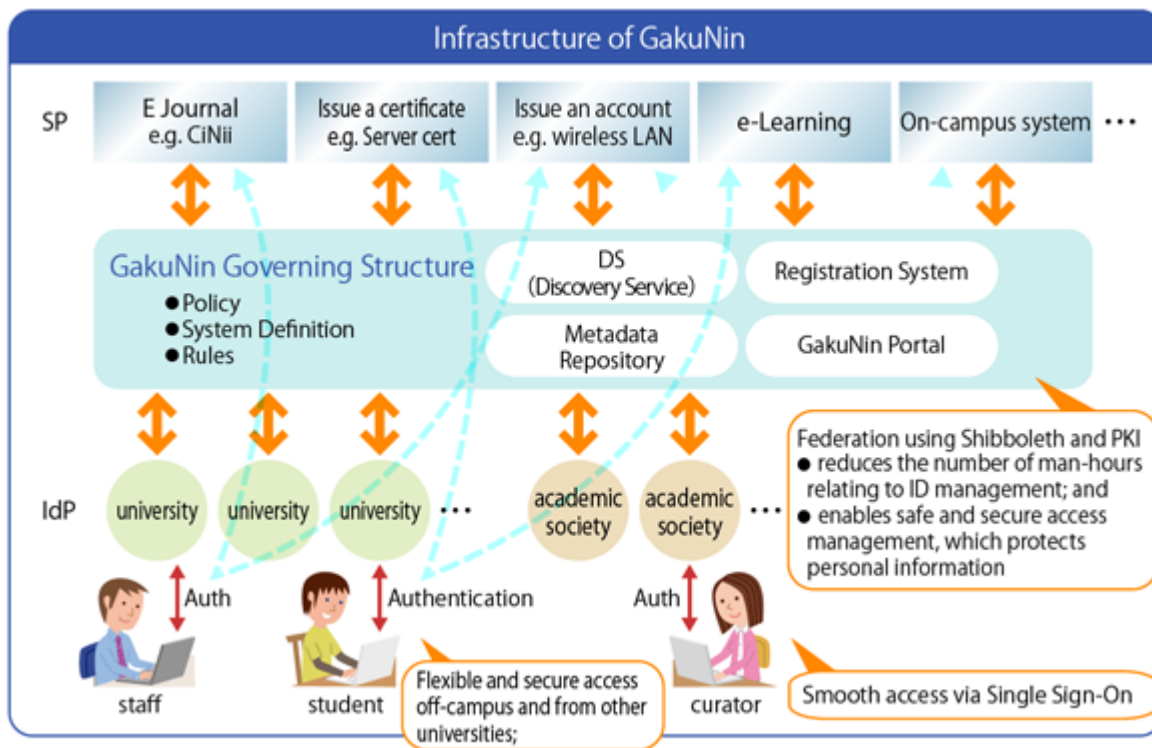
Filter By Venue  
Putrajaya, Malaysia

Filter By Type  
Break  
Meeting  
Plenary  
Reception  
Session  
Tutorials/Workshops  
Organization



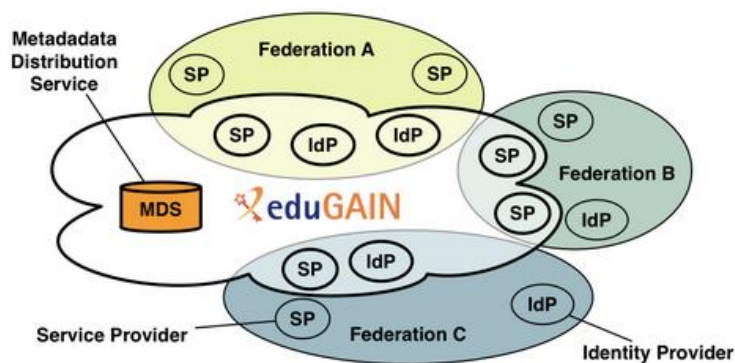
# 日本Gakunin

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



	GakuNin
<b>IdP</b>	<b>228</b>
<b>SP</b>	<b>96</b>

# 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

68个正式成员, 3148个IdP, 2640个SP

Federations in eduGAIN

To access contact information for an Identity Federation use the search function below:

Search

- Participant 68
- Member 2
- Candidate 7

World map showing global distribution of federations.

Federations in eduGAIN ?	
Members	68
Voting-only Members	2
Candidates	7
Entities in eduGAIN ?	
All entities	5790
IdPs	3148
SPs	2640
Standalone AAs	4



## CARSI加入eduGAIN

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- 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服务

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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](mailto:carsi@pku.edu.cn)

服务: 各省赛尔分公司