



# APGrid PMA Update

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65<sup>th</sup> EUGridPMA Meeting

KIT Science Computing Center, Karlsruhe, DE

October 1, 2025

# General Status

- Chair and Vice Chair (2024.01-2025.12)
  - Chair: Eisaku Sakane (HPCI, Japan)
  - Vice Chair: Sai Prasad (eMudhra)
- Routine Gathering
  - Spring: usually held together with ISGC in Taiwan
  - Autumn: Collocated with e-Science or APAN routine events
  - Virtual meeting will be arranged upon request or whenever there is any issue in-between F2F meetings
- Self Auditing Report: Once a year for each member CA
- Regional Catch-All CA: ASGCCA, now supporting users through local RAs in ID, IN, MN, MY, LK, NZ, PH, TH, VN

CA	ccTLD	Last Self Audit	#valid Cert	IPv6	Prod. eduGAIN SP	Main User Community
<b>ASGC CA</b>	<b>TW</b>	<b>Mar. 2025</b>	<b>110, 186, 17</b>	<b>Y</b>		<b>ATLAS, CMS, e-Science</b>
<b>IGCA</b>	<b>IN</b>	<b>Mar. 2018</b>	<b>38, 12</b>		<b>INFED/INFLIBNET</b>	<b>CMS</b>
<b>IHEP CA</b>	<b>CN</b>	<b>Mar. 2021</b>	<b>123, 125, (27)</b>	<b>Y</b>	<b>CARSI (480+ entities)</b>	<b>WLCG, Belle II, BES III, CEPC, JUNO</b>
<b>KEK CA</b>	<b>JP</b>	<b>Mar. 2025</b>	<b>140, 168</b>	<b>Y</b>	<b>GakuNin/NII</b>	<b>Belle II, ATLAS,ALICE, ILC, Muon g2</b>
<b>KISTI CA</b>	<b>KR</b>	<b>Aug. 2023</b>	<b>24, 30, 3</b>	<b>N</b>	<b>KAFE/KISTI</b>	<b>ALICE</b>
<b>eMudhra</b>	<b>COM</b>					<b>From Sep 2023</b>
<b>Retired CA (11)</b>	<b>AIST CA (JP), APAC CA (AU), <b>AusCert (AU)</b>, HPCI CA (JP), MYIFAM CA (MY), NCHC CA (TW), NECTEC CA (TH), NAREGI CA (JP), PRAGMA CA (US), HKU CA (CN), CNIC CA (CN), SDG CA (CN)</b>					

Relying Party	ccTLD	Note
<b>HPCI</b>	<b>JP</b>	

# From Previous APGridPMA Meeting in July

- Chair Election 2026-2027
  - Eisaku Sakane was re-elected.
- Regional Identity & Access Management Collaborations
  - Identity & Access Management (IAM) WG @APAN - Support SAML2/federated AuthN services buildup & conversion based on eduGAIN (REFEDS) collaborations.
  - IAM-WG sessions were not held in APAN 60.
- Communication
  - The APGridPMA began to use the Slack workspace:  
<https://apgridpma.slack.com>  
for prompt communication between members.
  - We are still considering efficient operation on communication tools such as webpage, mailing list.

# Future meeting

- 36<sup>th</sup> APGridPMA Meeting – will be held in Taipei, collocated with ISGC 2026.
- 37<sup>th</sup> APGridPMA Meeting – will be held in Auckland, NZ, collocated with APAN62.

# GakuNin & HPCI Activities

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GakuNin: Academic Identity and Access Management Federation in Japan  
HPCI: High Performance Computing Infrastructure in Japan

# Work in Progress - HPCI

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- Provisioning a computing environment for end-user
  - Providing the token-based client software packages
  - We are developing container images as well as the GSI middleware.
- Authenticator AL enhancement
  - Introducing Passkey as authenticator to HPCI OpenID provider (Keycloak)
  - Authenticator initialization procedure
    - Not too loose, not too strict...
- Shibboleth metadata registration practice
  - Shortening X.509 server certificates validity period from CA/B forum
  - Certificates in HPCI federation metadata will be affected because currently, the certificates included in the metadata must be public ones.
    - Publicity of the server certificate ensures its OV.
  - The following issue must be addressed:
  - How we register metadata including server certificate, in other words,
  - how we identify and authenticate IdP or SP

# Work in Progress - GakuNin

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- Medium-scale demonstration experiment FY2025
  - will be conducted from this October.
  - The detail will be shown in the next meeting 😊



