



Updates of APGridPMA

Eisaku SAKANE, NII

48th EUGridPMA meeting

20 January 2020

General Status



- **Chair and Vice Chair (2018.01-2019.12): Reelected at 20th APGridPMA F2F Meeting in Oct. 2017**
 - Chair: Eric Yen (ASGCCA, Taiwan)
 - Vice Chair: Eisaku Sakane (HPCI CA, Japan)
 - Next Chair election will take place in next APGridPMA virtual meeting in early 2020 (planned meeting @APAN48 in Malaysia was cancelled)
- **Routine Gathering**
 - Spring: Together with ISGC in Taiwan
 - Fall: Collocated with e-Science or Networking 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, LK, NZ, PH, TH, VN**

CA	ccTLD	Last Self Audit	#valid Cert	IPv6	Production eduGAIN SPs
<i>AIST CA</i>	<i>JP</i>				
<i>APAC CA</i>	<i>AU</i>				
<i>ASGC CA</i>	<i>TW</i>	<i>Mar. 2018</i>	<i>165, 286, 14</i>	<i>Y</i>	
<i>AusCert</i>	<i>AU</i>			<i>Y</i>	<i>AAF</i>
<i>CNIC CA</i>	<i>CN</i>	<i>Aug. 2015</i>	<i>21</i>		
<i>SDG CA</i>	<i>CN</i>	<i>Aug. 2015</i>	<i>2</i>		
<i>HKU CA</i>	<i>CN</i>	<i>April 2019</i>	<i>3, 26, 1</i>	<i>Y</i>	<i>HKAF/JUCC</i>
<i>HPCI CA</i>	<i>JP</i>	<i>April 2019</i>	<i>227, 273</i>	<i>Y</i>	<i>GakuNin/NII</i>
<i>IGCA</i>	<i>IN</i>	<i>Mar. 2018</i>	<i>134, 23</i>		<i>INFED/INFLIBNET</i>
<i>IHEP CA</i>	<i>CN</i>	<i>April 2019</i>	<i>67, 41, 16</i>	<i>Y</i>	
<i>KEK CA</i>	<i>JP</i>	<i>April 2019</i>	<i>167, 145</i>	<i>Y</i>	
<i>KISTI CA</i>	<i>KR</i>	<i>Mar. 2018</i>	<i>33, 28, 3</i>	<i>Y</i>	<i>KAFE/KISTI</i>
<i>MYIFAM</i>	<i>MY</i>	<i>April 2019</i>	<i>5</i>	<i>Y</i>	<i>SIFULAN/SIFULAN</i>
<i>NCHC CA</i>	<i>TW</i>				
<i>NECTEC CA</i>	<i>TH</i>	<i>March, 2014</i>	<i>4, 13</i>		
<i>NAREGI CA</i>	<i>JP</i>				
<i>PRAGMA-UCSD</i>	<i>US</i>				

From IETF Communication Challenge

- **Yihua Zheng @cstnet.cn is the new CA manager of CNIC CA and SDG CA hosting by Chinese Academy of Sciences**
- **Yihua also responded to the IETF communication challenge in late Oct. 2019**

Research & Application Support



- **Flexible authentication and cross-institute AAI**
 - Integration with local SSO (SAML, X.509, OpenID, Username/password, etc) and move towards token-based authZ
- **Regional activities**
 - APAN IAM: 9 production eduGAIN federations in operation in Asia
 - Attribute and Metadata Sharing/Aggregation: HPCI CA
 - Sharing of experiences from deployment, integration and case study
 - Will be included in the future APGridPMA meetings
 - Based on requirements and workflow of user communities
 - Experiences learned from large-scale international HEP and astronomy communities: LHC, Belle, AMS, KAGRA, etc.
 - Extending to regional collaborations on multiple disciplines, such as life science, astronomy, disaster mitigation, ecological/biodiversity monitoring, e-Culture, etc.
- **Policy framework and architecture guideline: IGTF, FIM4R, AARC, WISE, Sirtfi, Snctfi, ...**
- **Issues (partly)**
 - User attributes and group information translation between service providers
 - Infrastructure for multiple VOs; federation of multiple single-VO infrastructure;
 - Credential delegation from local SP to the cloud/e-infrastructure
 - Procedures to allow users to increase the LoA
 - Becoming an SP of new AAI with enabled access of SAML/eduGAIN ..., and the attribute sharing mechanism
 - What are the missing software tools

Future Meetings



- **EUGridPMA 48: January 2020**
- **25th APGridPMA: 8 March 2020, Academia Sinica, Taiwan, collocated with ISGC2020**
 - **Security Workshop: 9 March 2020**
- **HEPiX Spring 2020: 2-6 March, Academia Sinica, Taiwan**
- **26th APGridPMA: to be decided in March meeting**
 - **Candidates: APAN50 (Aug. or Sep. 2020 in Hong Kong), ...**