

Japan: UPKI update

Hideaki Sone
NII + Tohoku University

13th TF-EMC2 / May 2009 /
Loughborough

UPKI Project

- Academic federation for future cyber science infrastructure
- 1st term: FY 2005-2008
 - Universities, Institutes + NII
 - Starting 2nd term from FY 2009
- Three layers architecture
Open Domain (Public) / Campus / Grid

13th TF-EMC2 / May 2009 /
Loughborough

UPKI Activities (2006-2008)(1)

- UPKI common specification
 - Template CP/CPS (2006-2007, webpages)
- Server certificate pilot project (2007-)
 - Suitable RA operation for academic institutions
 - 90 institutions / 1900 certificates
 - Starting a new project (2009)
- Academic wireless access roaming
 - eduroam JP: 10 institutions
 - R&D of new systems
- more

13th TF-EMC2 / May 2009 /
Loughborough

UPKI Activities (2006-2008)(2)

- SSO for contents services
 - 27 institutions (2008)
 - 20 IdP sites + 10 SP sites (3 public sites)
- NAREGI-CA software distribution
 - Campus PKI starter package (2006-)
- S/MIME (2006-)
- Grid PKI: Studies
- UPKI Initiative
 - <https://upki-portal.nii.ac.jp/>

13th TF-EMC2 / May 2009 /
Loughborough

UPKI Plan (2009-)

- Open-domain certificate project (2009-2011)
 - Web-based application by member universities
 - Study for automated processing
- UPKI-Fed: Operational Id federation (2010-)
 - Trial project after Shibboleth SSO pilot project
 - e-Journals, network access, grid, etc
 - Study of common AAI (2009)
 - Including: hosting IdP, student/staff ID
 - SSO federation: e-Journals, CiNii, others
 - Elsevier, Springer, Wiley-Blackwell, OUP, CUP, LWW/Ovid
 - More federated services
 - Policies, Rules

13th TF-EMC2 / May 2009 /
Loughborough