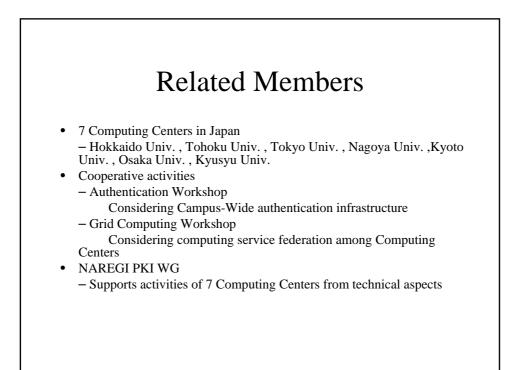




Elements of CSI

- PKI for Global Identity
- PMA for coodinated Trusted Domain
- Identity Mapping
- Single Sign On
- Grid/Web Service Middleware
- Grid(OGSA)/Web Serviced Application



<u>National Re</u>search <u>G</u>rid <u>I</u>nitiative (NAREGI) Project:Overview

- A new Japanese MEXT National <u>Grid R&D project</u> ~\$(US)17M FY'03 (similar until FY'07)

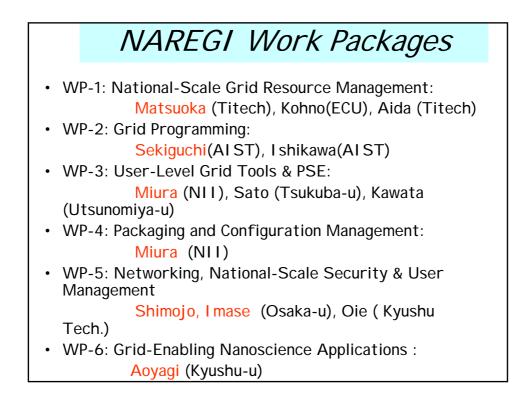
- One of two major Japanese Govt. Grid Projects

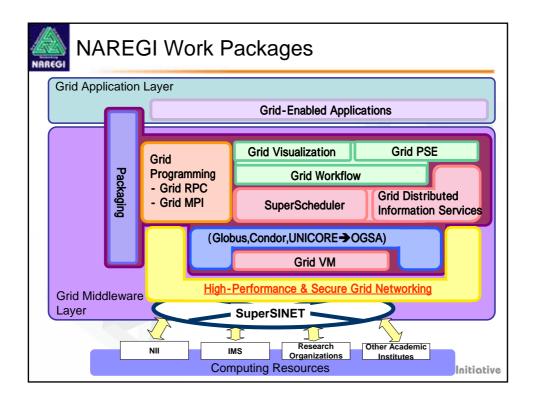
- Collaboration of National Labs. Universities and Major Computing and Nanotechnology Industries

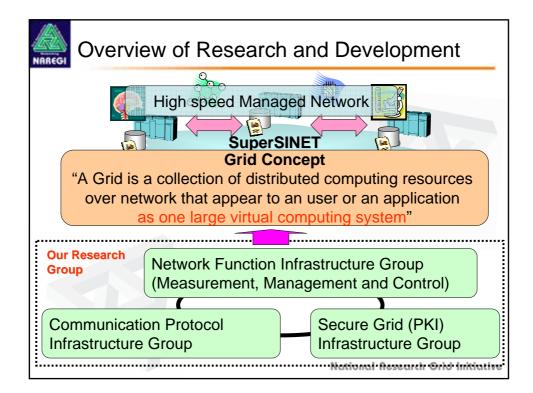
-Acquisition of Computer Resources is done (FY2003)

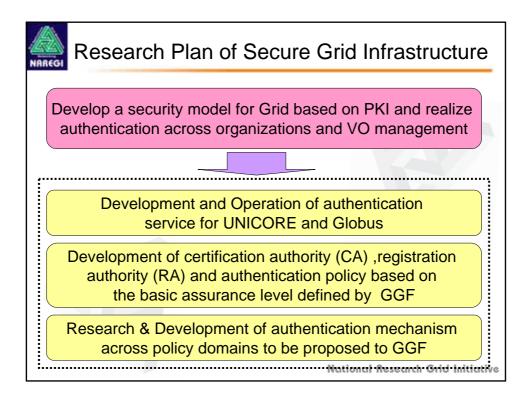
-5TFlops, 700GB for development -10TFlobs, 5TB for application

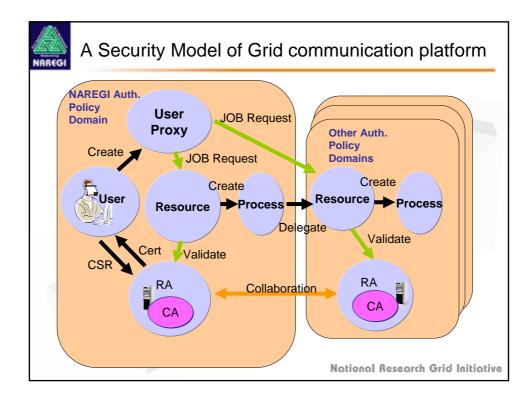
MEXT: Ministry of Education, Culture, Sports, Science and Technology

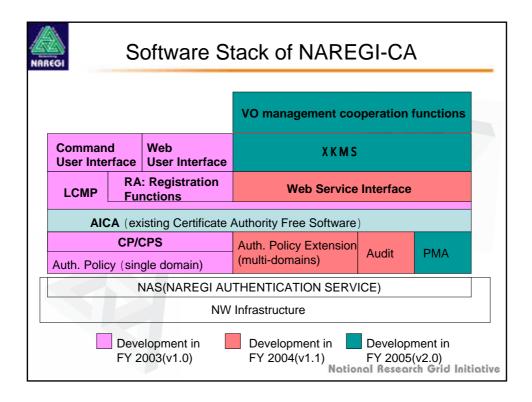


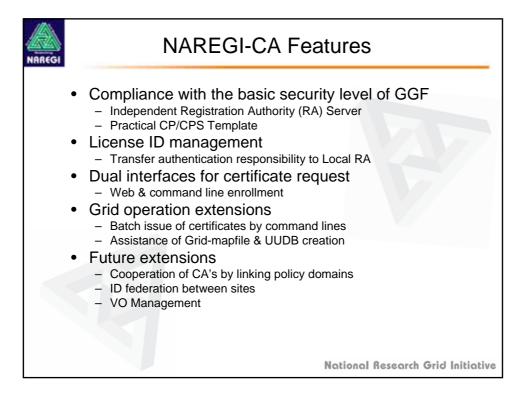


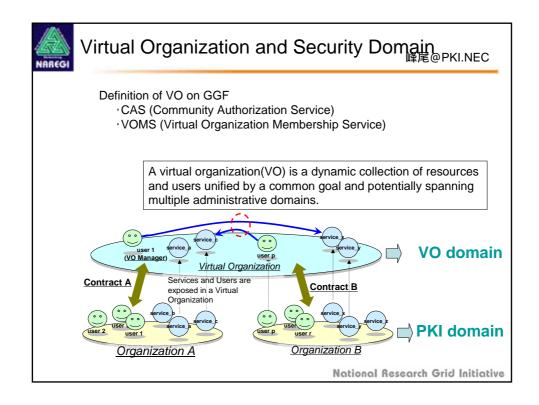


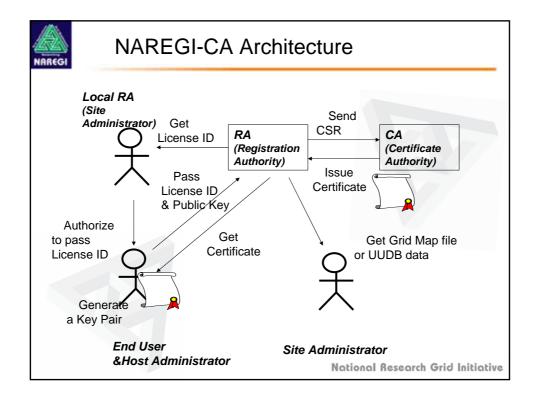


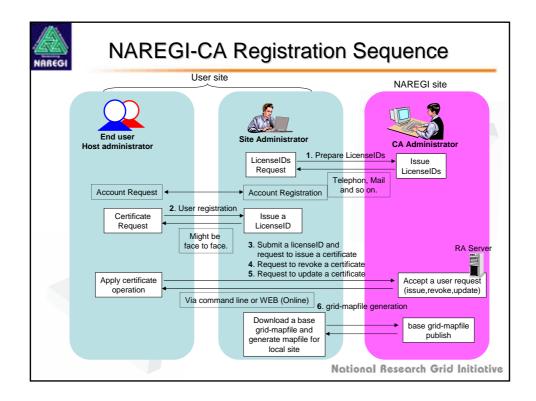


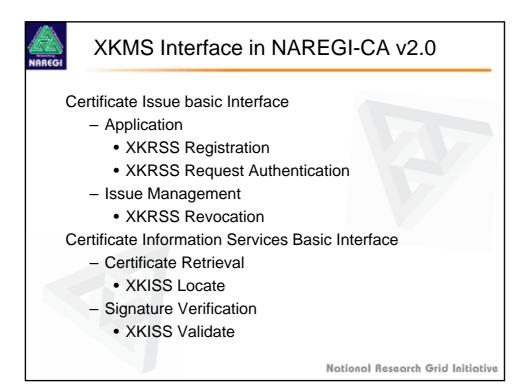


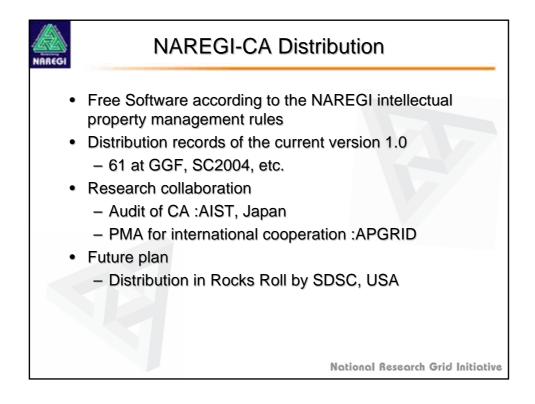




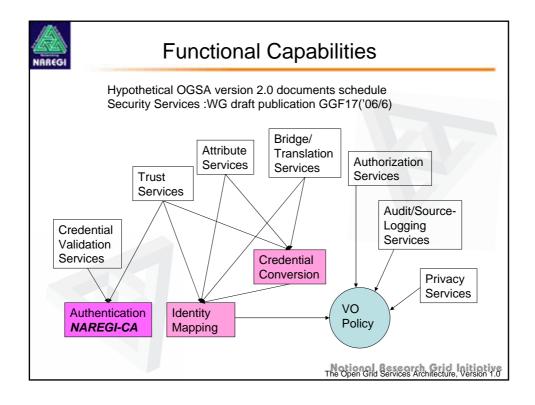


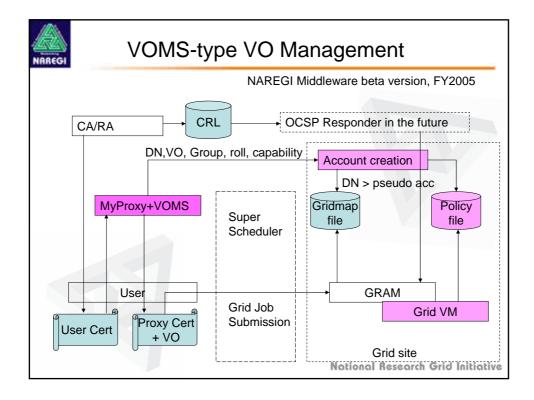


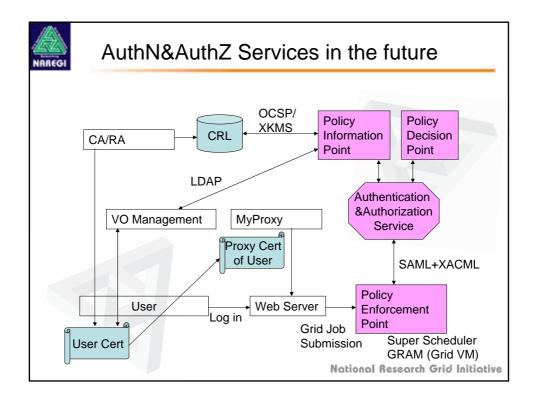




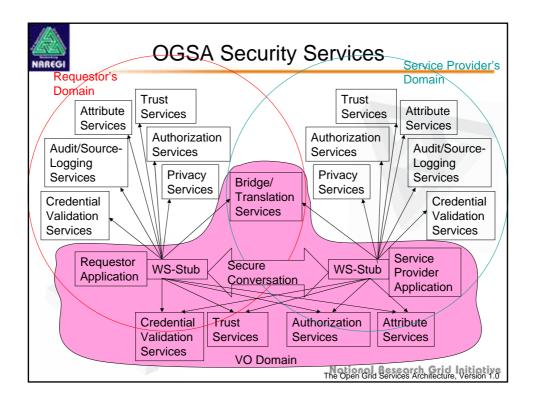
Future Plan based on the OGSA Framework						
	User Domain Applications					
	Execution Manage- ment Services	Data Services	Resource Manage- ment Services	Security Services	Self- Manage- ment Services	Inform- ation Services
	Infrastructure Services WSRF Web Services					
	Physical Environment					
The Open Grid Services Architecture, Version 1.0						

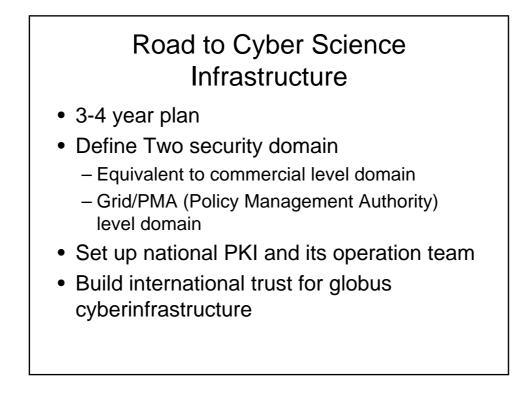












Summary

- We need cyberscience infrastructure (CSI) for future collaborative science and education.
- We believe PKI provides secure infrastructure for CSI.
- International collaborative effort is necessary to build global CSI.
- Professional collaboration for science and technology is necessary.