



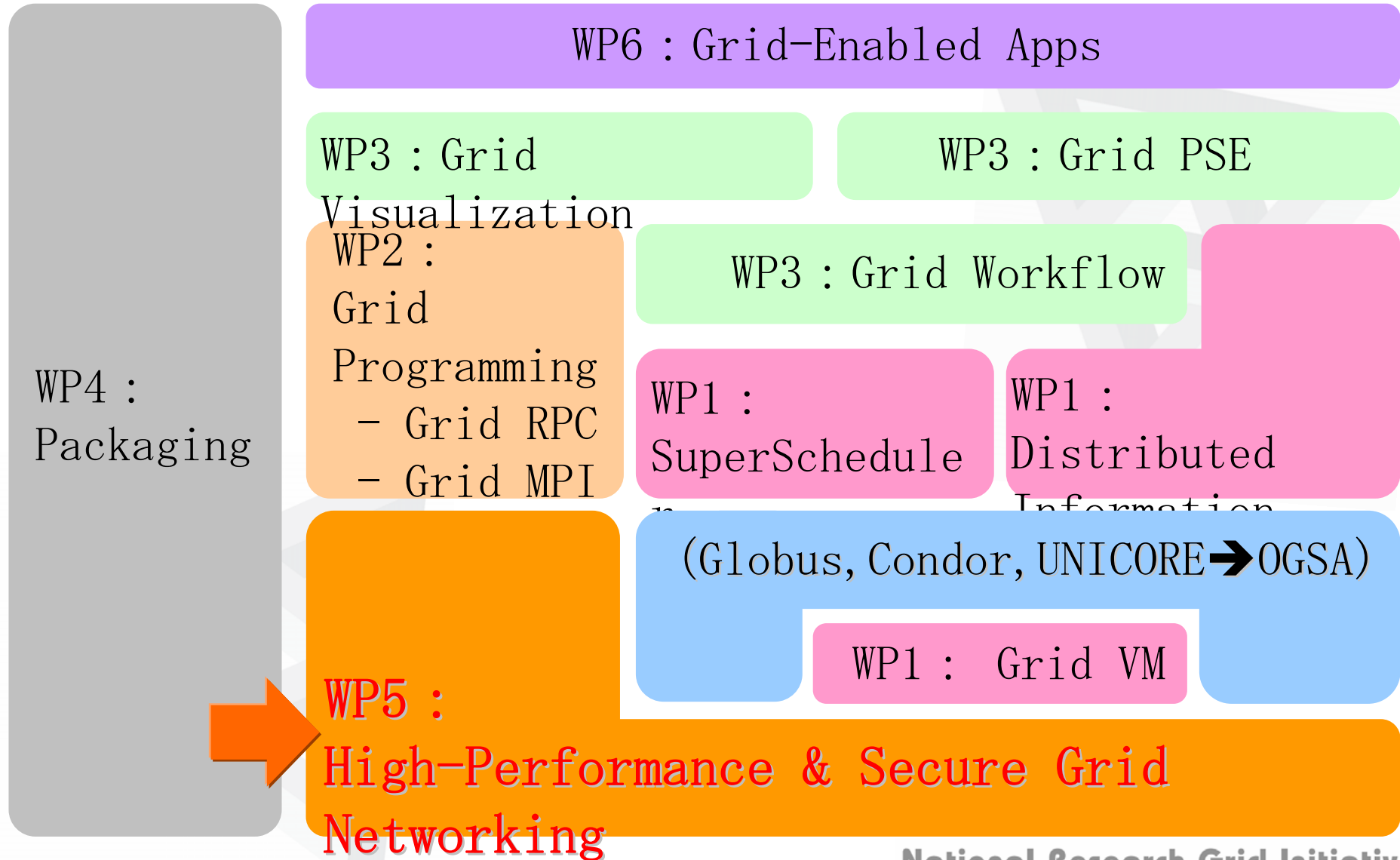
The Roadmap of NAREGI Security Services

Masataka Kanamori

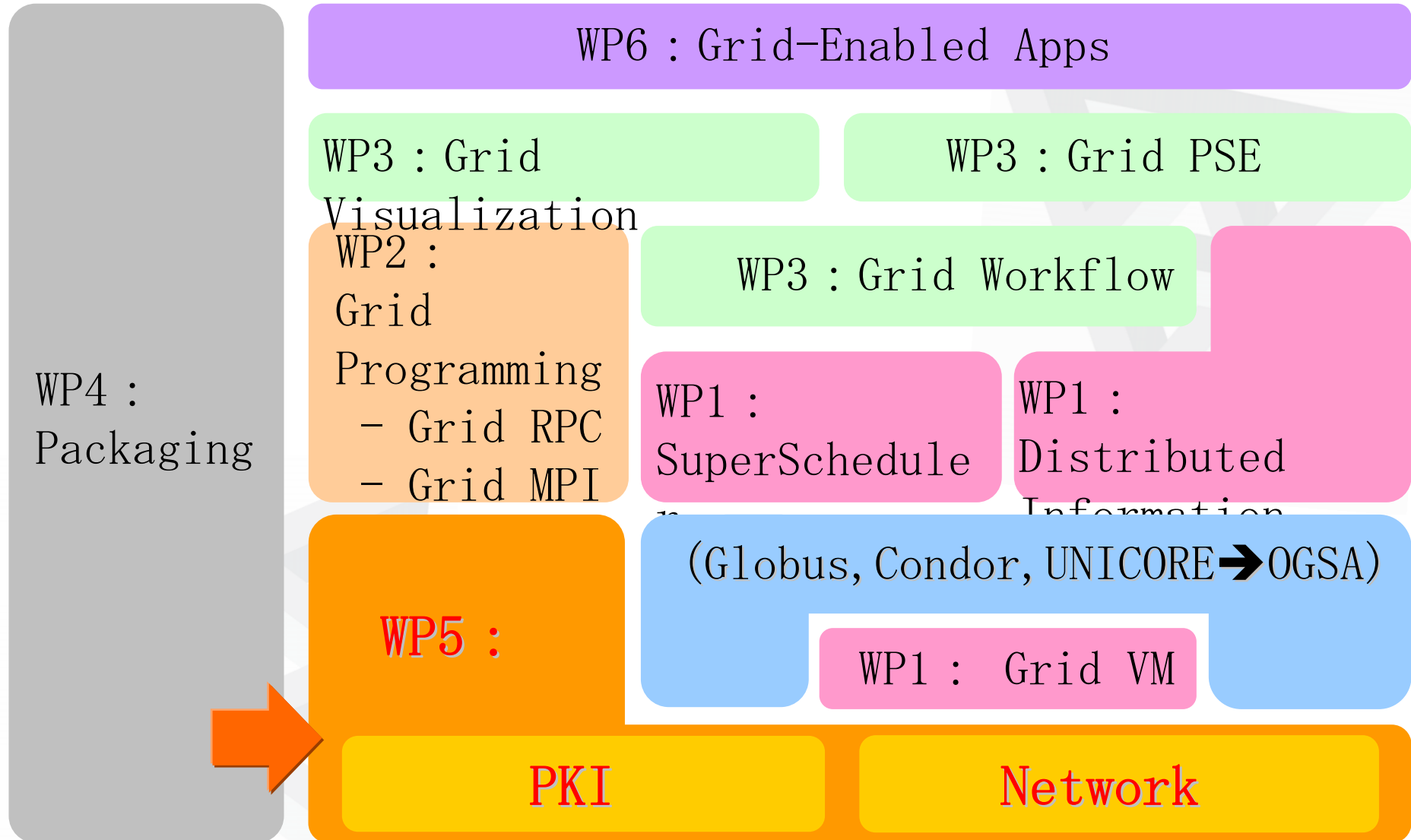
NAREGI WP5

2005.4.20

NAREGI WPs

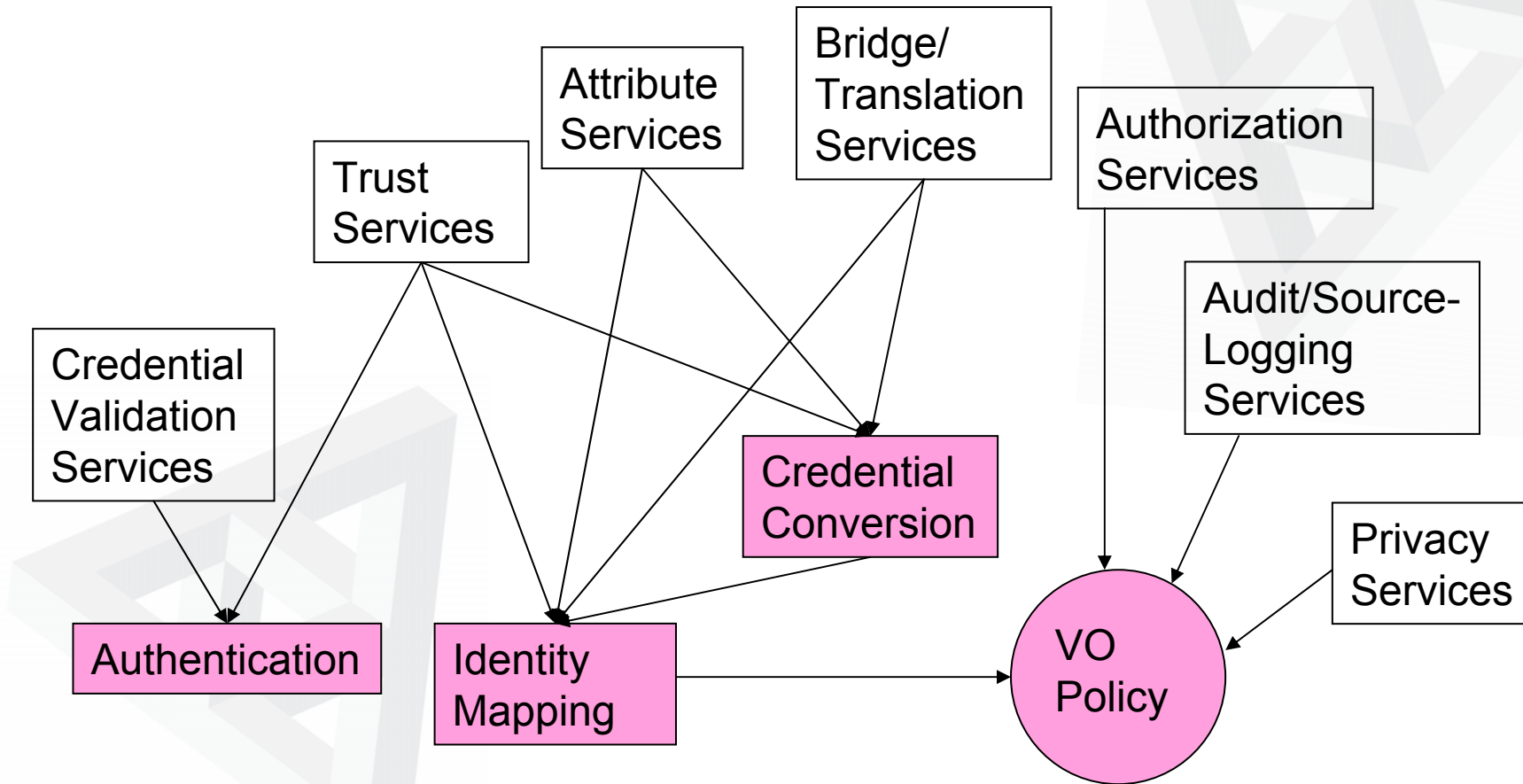


NAREGI WP5



Security Services Architecture

Hypothetical OGSA version 2.0 documents schedule
 Security Services :WG draft publication GGF17('06/6)





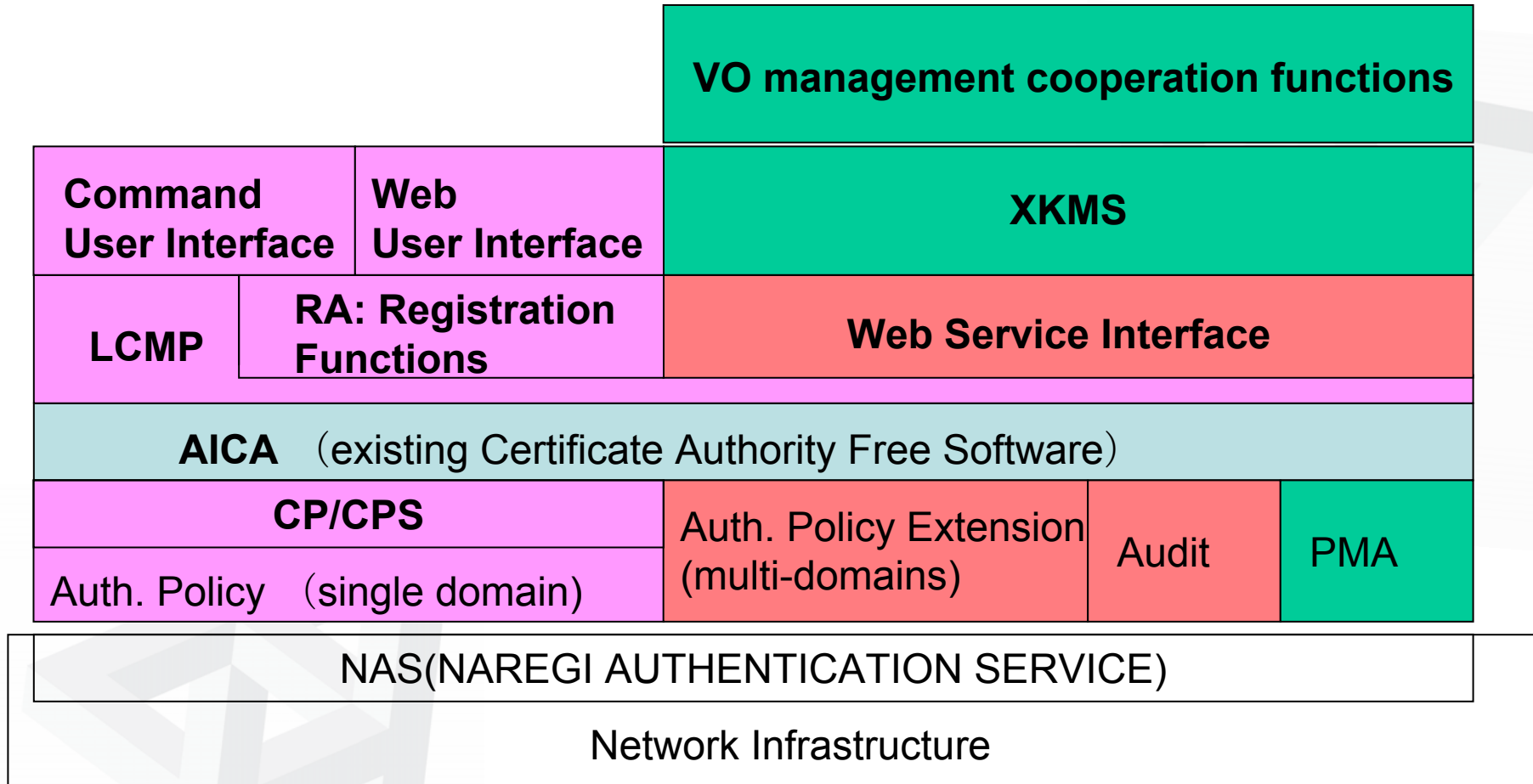
Roadmap for NAREGI Security Services (NSS)

FS :Feasibility Study, BD :Basic Design, DV :Development, DP :Deployment

	2003	2004	2005	2006	2007	
Core Functions	Authentication	NAREGI-CA V1.0	NAREGI-CA V1.1	NAREGI-CA V2.0	NAREGI-CA V2.1	
	Credential Conversion for UNICORE-Globus cooperation		MyProxy+ CP/CPS+	Extended BD&DV	DP	
	ID Mapping		FS	FS	BD*	DV&DP*
	VO Management		FS	BD&DV	DP	
OGSA Security Services	Bridge/Translation Services			FS	BD*	DV&DP*
	Credential Validation Services			FS	BD*	DV&DP*
	Trust Services			FS&BD	BD&DV	DV&DP
	Authorization Services			FS	BD*	DV&DP*
	Attribute Services			FS	BD*	DV&DP*
	Audit/Source-Logging Services		Forensic-FS	Forensic-BD	Forensic-DV	Forensic-DP
	Privacy Services			FS	BD*	DV&DP*

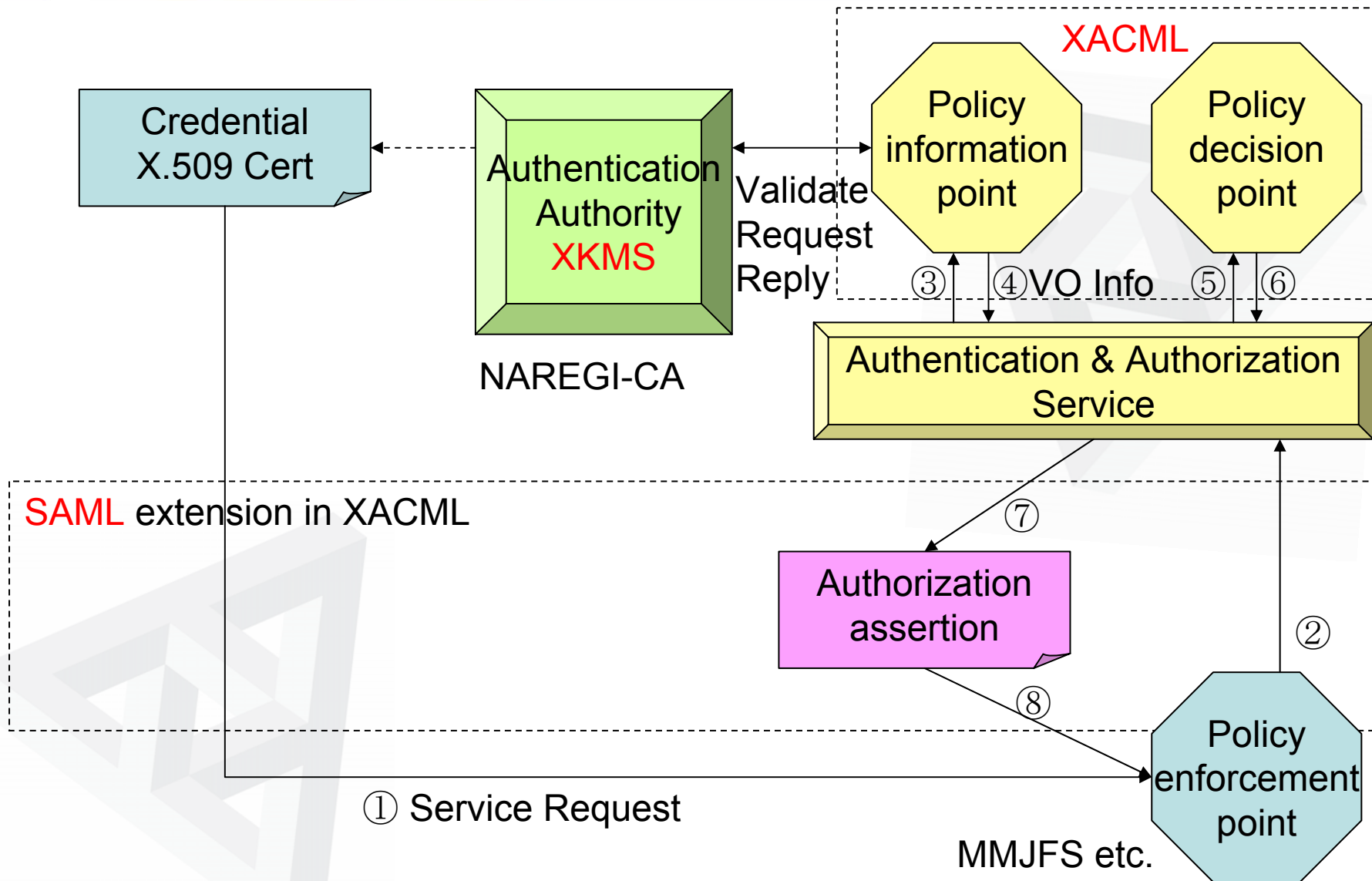
Note: `*` means 'subject to FS'

Authentication : NAREGI - CA



Development in 2003
 Development in 2004
 After 2005

WS-based NSS in the future





NAREGI CA (CD package)

- Contents
 - README (Overview, install, etc..)
 - LICENSE
 - Release NOTE
 - naregi-ca-1.0.tar.gz
 - Source files
 - CP/CPS, Administrator Guide, etc..
 - naregi-project
 - naregi_pre.pdf (about NAREGI)
 - wp5_pre.pdf (about NAREGI Work Package 5)
- Contact:
 - naregi-psg@grid.nii.ac.jp (about CD package)
 - naregi.pkiwg@grid.nii.ac.jp (NAREGI WP5 ML)
- Useful Link
 - <https://www.apgrid.org/CA/AIST/Production/index.htm>



NAREGI Testbed



Super SINET

Composition Figure (Japan Map)

- Super SINET 10Gbps
- International line Approximately 5Gbps
- Domestic Circuit 30~100Mbps

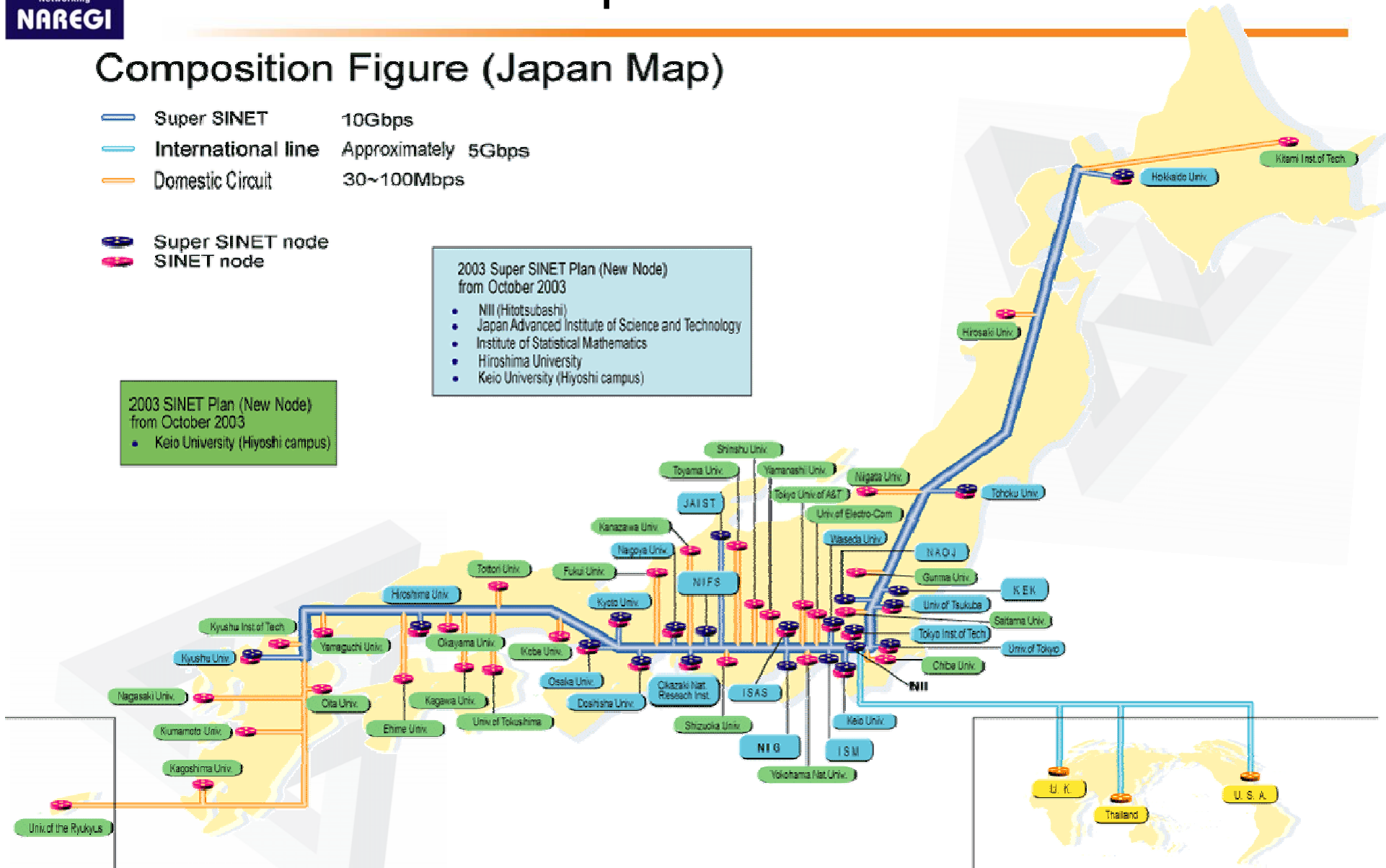
- Super SINET node
- SINET node

2003 Super SINET Plan (New Node) from October 2003

- NII (Hitotsubashi)
- Japan Advanced Institute of Science and Technology
- Institute of Statistical Mathematics
- Hiroshima University
- Keio University (Hiyoshi campus)

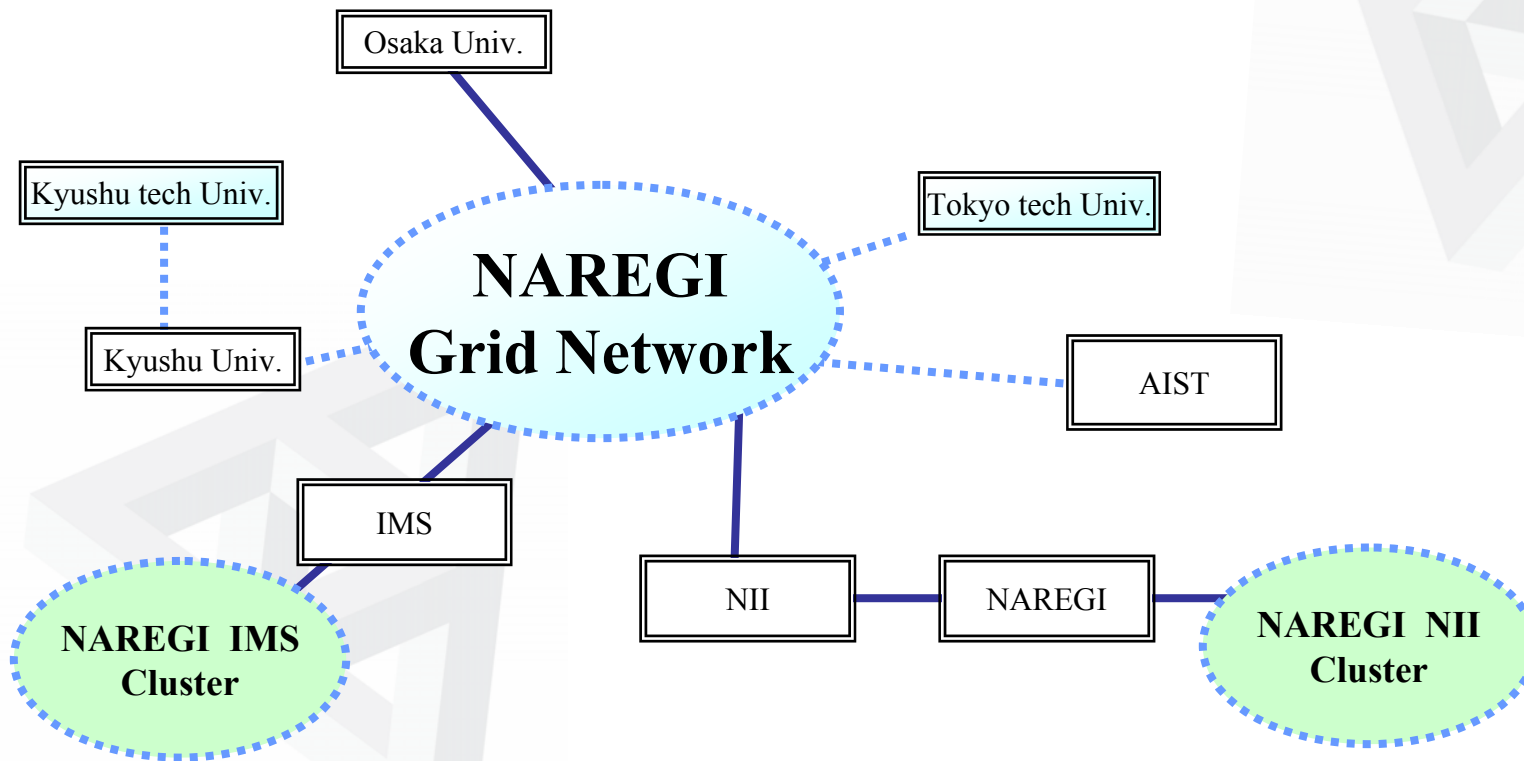
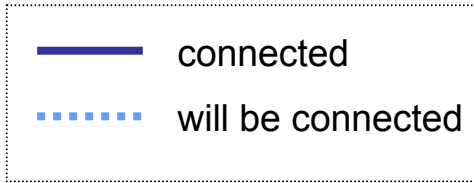
2003 SINET Plan (New Node) from October 2003

- Keio University (Hiyoshi campus)

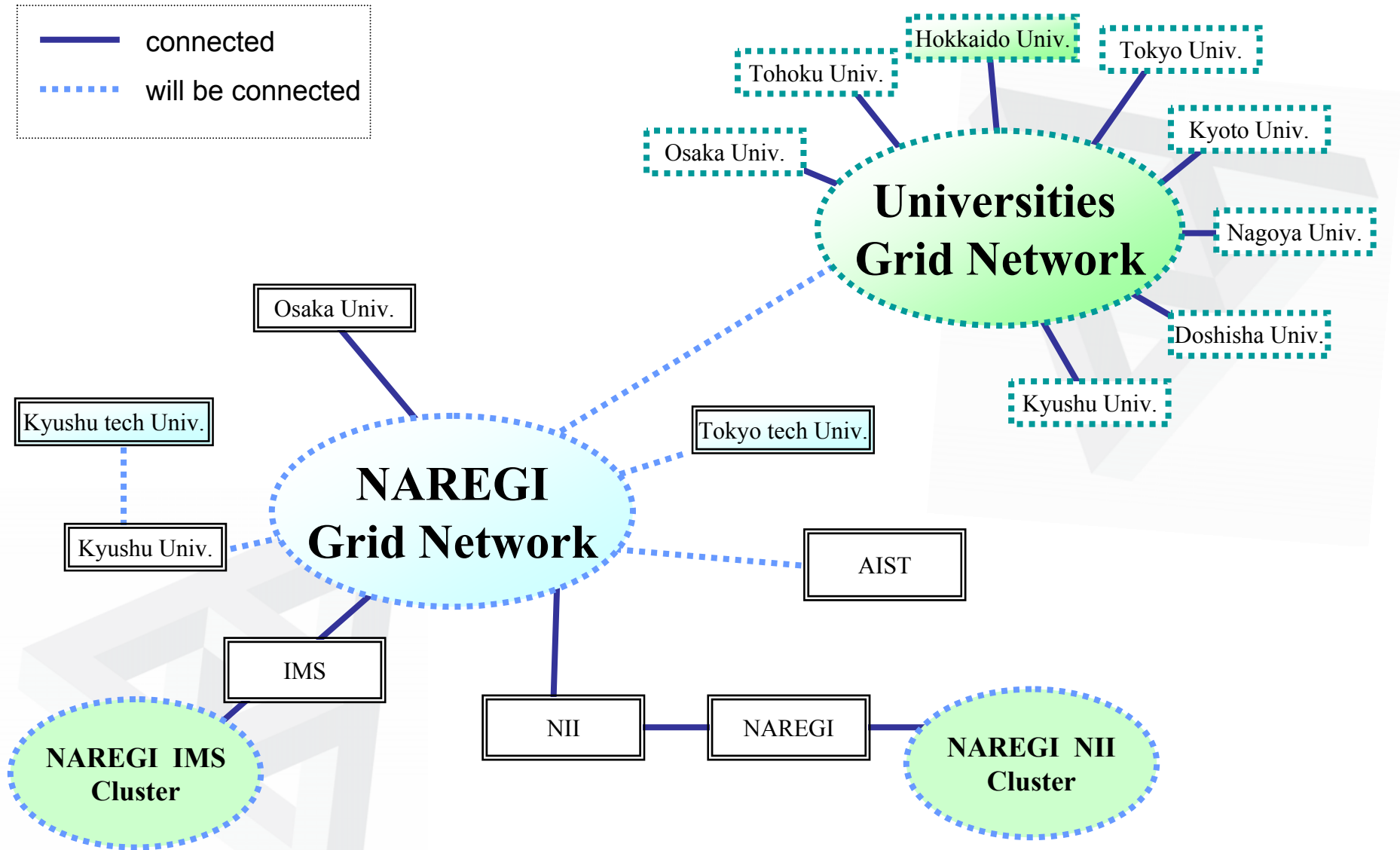


Super SINET: http://www.sinet.ad.jp/english/super_sinet.html
 Src: http://www.sinet.ad.jp/english/japan_map_1.html

NAREGI Grid Network



NAREGI Grid Network (in the future)







Features of NAREGI CA

- separates CA server and RA (web enroll).
Nobody can access a CA server directly from the Net.
 - OpenCA is not separated
- can use a license ID for OneTime authentication.
- provides two types of interfaces
 - command-based
 - web-based.

