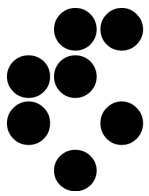# Slovenian NGI

www.sling.si

Barbara Krašovec

Thanks to Dejan Lesjak and Jan Jona Javoršek

SLING partnership

Founding members (knowledge of grid on one side and network/support on the other):

- ARNES (legal representative): Academic and Research Network of Slovenia

- JSI: Jožef Stefan Institute

- Joining academia and industry in the future

ARNES

- Academic and Research Network of Slovenia (public institute and
- ISP for organizations in research and education)
- Network and services
- Co-founder of DANTE
- Member of TERENA, CEENet, RIPE, CENTR, EURid, FIRST, etc.

JSI

- Leading scientific research institute of Slovenia

- Experimental Particle Physics Department: experiences with grid - SIGNET cluster since 2004
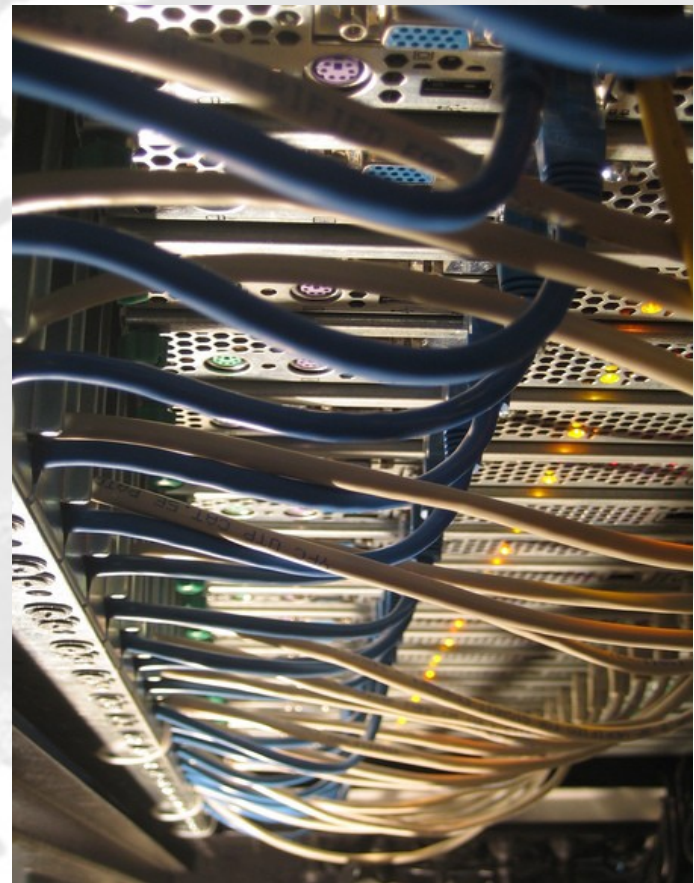
Transition

Not difficult, only one site.

- ✓ Establish NGI Manager, deputy, …
- ✓ Setting up a ROD team
- ✓ NGI Nagios
- ✓ Setting up user support infrastructure (using GGUS directly)
- ✓ Installation of services for NGI

NGI_SI

- Created in April 2010
- GGUS ticket 57557
- Management mailing list: management@sling.si
- Security mailing list: security@sling.si
- ROD team mailing list: ops@sling.si
- NGI Nagios monitoring system: https://nagios.sling.si/nagios
- Mailing list for GGUS tickets and 1st line support: support@sling.si

Slovenian Grid Network

- Network of Grid Centres
- Based on gLite and NorduGrid ARC
- Nagios monitoring
- Signet CA from 2004

Sling infrastructure (1)

- SiGNET cluster since 2004 (1172 cores, ~300TB of diskspace)

- NorduGrid ARC and gLite support for EGEE

- Support for ATLAS, Pierre Auger, Belle and other smaller VOs

- Arnes demo cluster

(288 cores,48TB of diskspace)

Sling infrastructure (2)

- Central services at Arnes and IJS (topBDII)

- Support for national VOs (testing VOs, local communities)

- Support for international VOs (central services for gLite and NorduGrid ARC support where needed by VOs)

Sling infrastructure (3)

- 2 clusters at the moment

(Keep in mind that Slovenia is a country of only 2 million)

	jost	288		0+0	12+0
Slovenia	SiGNET	1154		52+0	18+0
	SiGNET-V	1154		0+52	0+0

Sling and EGI.eu

- EGI.eu infrastructure:
- National level: info services, VOMS, monitoring, support (NOC and helpdesk)
- ticketing, accounting, releases

- NGI top BDII
- NGI Nagios for monitoring
- Testing site: NGI site BDII, SE, CE

Future plans

- Involvement in projects EGI Inspire, ARC
- At least two more research centres to join from academia (UL, UNG), couple of industry research centres expected to join later

Becoming part of EGI: Governance

- Prepared to participate in the operational meetings by videoconferences, face to face meetings only if possible

- Confortable in our role as consumers of operational tools - OTAG (Operations Tool Advisory Group), not expected to be more involved in advisory group in the near future

Becoming part of EGI: Procedures and policies

- Familiar with procedures and policies
- Just started, for now we do not have issues nor suggestions

Becoming part of EGI: Support

- Just one site for now, we can manage with available resources
- As the new centers will join, we expect to evolve our procedures and internal organization accordingly
- 1st line support and ROD same people for now (mailing list, jabber)
- later ticketing system if necessary

Becoming part of EGI: Tools

- Consumers of central tools
- Accounting is central, but we intend to use our own afterwards, integrated with the central one

Training

- We will provide our own trainings (for now, no materials are available – working on it)

- Interested in attending events organized by other NGIs

Your best knowhow

- Intergration of gLite and ARC
- Chrooted execution environements

Summary

- Slovenian NGI very small
- Only one site at the moment
- Enlargement expected in the next year(s)
- Staff familiar with procedures
- Documentation and training materials in preparation
- Planning on setting up an ARC based site

Questions?