SiGNET CA
Slovenian Grid Network CA*

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SLING – Slovenian Initiative for National Grid

http://www.ijs.si/
http://www.sling.si/

... but also

prof. dr. Borut Paul Kerševan, IJS, ATLAS

Janez Srakar, IJS

`http://signet-ca.ijs.si/`

SiGNET CA **after 10+ yrs**

- From 2004, current from 2006

- old OpenCA 0.96
    - heavily patched
    - worked-around with scripts
    - modified for modern OpenSSL / SHA2

SiGNET CA after 10+ yrs

- Deployment:
  - installation needs updating
  - security of OS is lacking
  - but SHA2 migration on-time

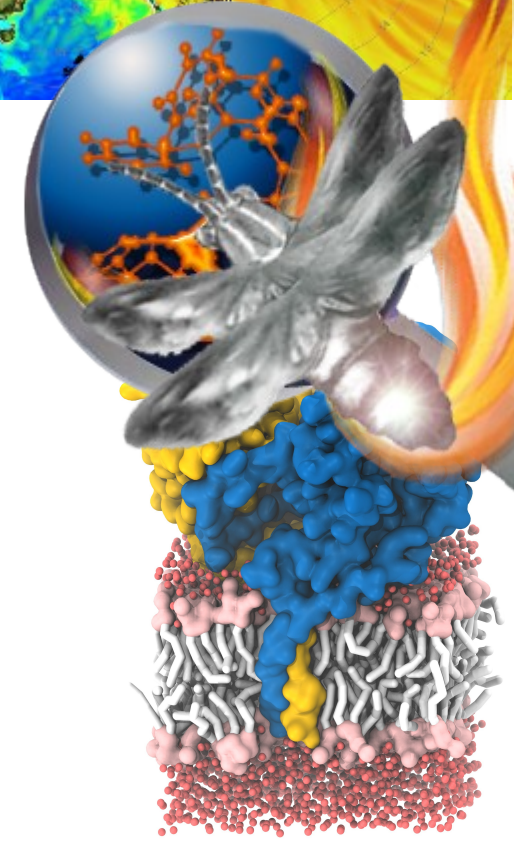- Understaffed
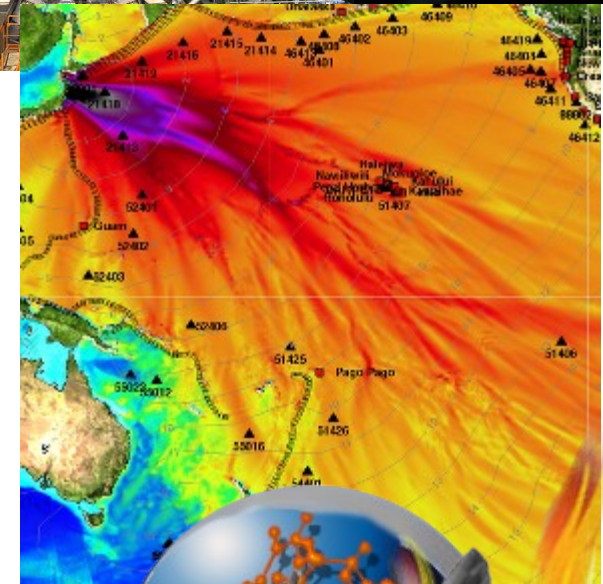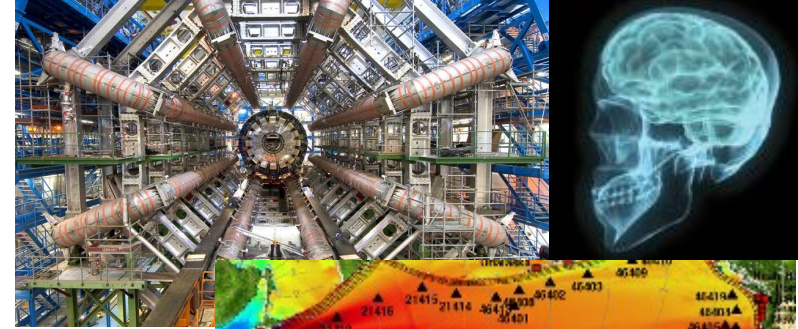 (NGI, Kerševan, IdP, Terena certs …)

Aged...

SiGNET CA stats

- Statistics:
  - ~300 active local users
  - 7 (8) + 3 sites
- Andrej Filipčič phenomenon (peaked in 2013)

- ARC inclined, server-client certs

SLING

Partner Centres
Arctur
Arnes
atos
CIPKeBiP
IJS
SiGNET
UNG
krn

- 8 centres
- > 16.000 cores
- > 8 PB disk
- > 8 M jobs
- ~ HPC, GPGPU, VM

SiGNET CA recently

- Re-staffed
  Janez Srakar

- Scripts

- RA's:
  Arnes (NREN), Nova Gorica,
  Maribor, Novo mesto)

SiGNET CA **this month**

- New hardware
- New facilities for Institute clusters
- Generally positive climate
- Translates to:
  - Funding
  - HSM deployment

Plans1: redeploy

- New backend installation
- New front-end
  (old + new CA + Terena certificates)
- Mojolicoius-based small frontend:
  - Signed form based request
  - JS based request
  - Direct x509 (existing scripts)
  - Connect to OpenCA + others
- OCSP responder, OCSP stapling support

Plans2: MICS & TCS

- Member Integrated Credential Services with HSM – a bit late:

  - Tested with small solutions Gemalto USB device vs. Luna PCI-E

  - Considering a network attached HSM (also deploying signed e-mail and DNS)
    → suggestions welcome

- Faculties started working with certs and NGI → TCS e-Science personal certs

Plans for locals

- Public servers moved to TCS SC (NREN)

- National grid users: usability

  - More AAI integration, considered TCS e-Science (NREN)

  - Provisionings at JSI (50% user-base), IdP, log-in boxes (VM farm)

  - National VO's (CVMFS-based?) for RTE hosting, integrated VOMS

  - Infrastructure: ELIXIR, CLARIN

CA Nagios

- Current instance obsolete
- A new deployment required
- Requirements for new instance:
  - Autoupdate
  - Pre-release support
  - Configurable e-mail notification
  - Full access to own hosts and services
  - OCSP support

SiGNET CA & EU GRID PMA

- In 2015:
    - Update CP & CPS
    - CP & CPS for MICS profile
- Start of 2016: self-audit

- Hosting another meeting in Ljubljana (last: 24th in 2012)

Questions?

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