GridKa-CA
Topics

Ingrid Schäffner, Melanie Ernst

STEINBUCH CENTRE FOR COMPUTING - SCC
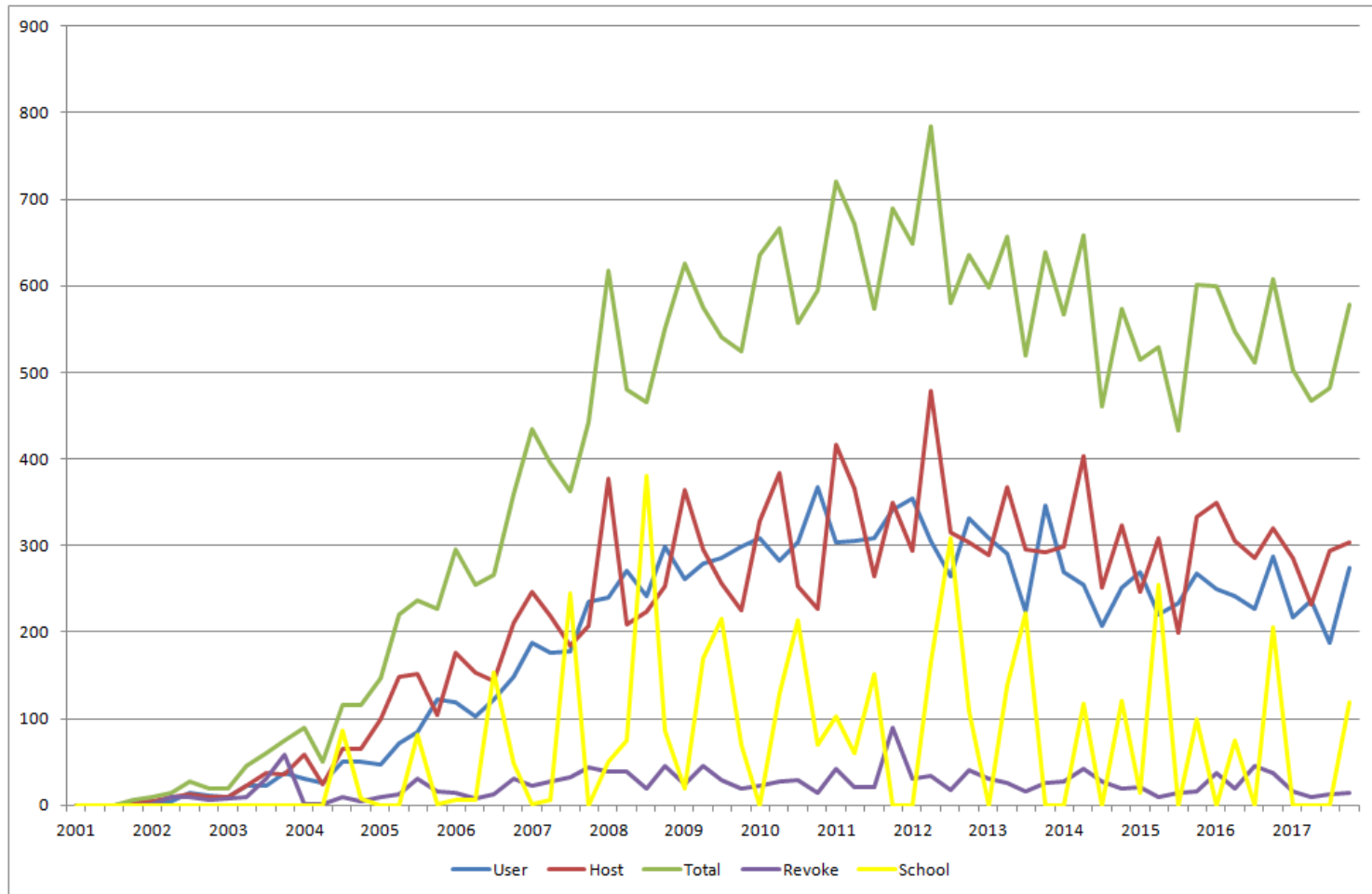
www.kit.edu

- Overview

- Open issues:

  - CRLs and IPv6

  - Self Review and Audit

  - SHA2

- CAA records (RFC 6844)

Overview

- GridKa-CA Statistics

Overview

- CA admins (Melanie,Ingrid)
  - Looking for a person for certificate management

- Issued certificates since 2001: ~32.000

- 1984 valid certificates

- RAs : 85 (not all active)

- RA admins: 60

- No Updates in CP/CPS since August 28, 2013

Open issues

CRLs on IPv6

- IPv6 on native KIT infrastructure
- Web server for CRLs will be changed until march

Self Review and Audit process

- Is the Self Review terminated?
- GermanGrid Review by ScottR and IanN
  What is the status?

SHA2

- GermanGrid root cert SHA-1
- EE certificates SHA-512
- Should we rekey the CA cert?

Open issues

- CAA records (RFC 6844)

  - DNS Resource Record defined in RFC 6844, that allows a DNS domain name holder to specify one or more Certification Authorities (CAs) to issue certificates for that domain and, by implication, that no other CAs are authorized.
  - mandatory for CAs to check CAA records at issuance time for all certificates

  KIT has no entries in DNS at this moment

  How do you deal with that?