

#### Enabling Grids for E-sciencE

# Promoting security best practice

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3<sup>rd</sup> EGEE conference, Athens, 18-22 April 2005











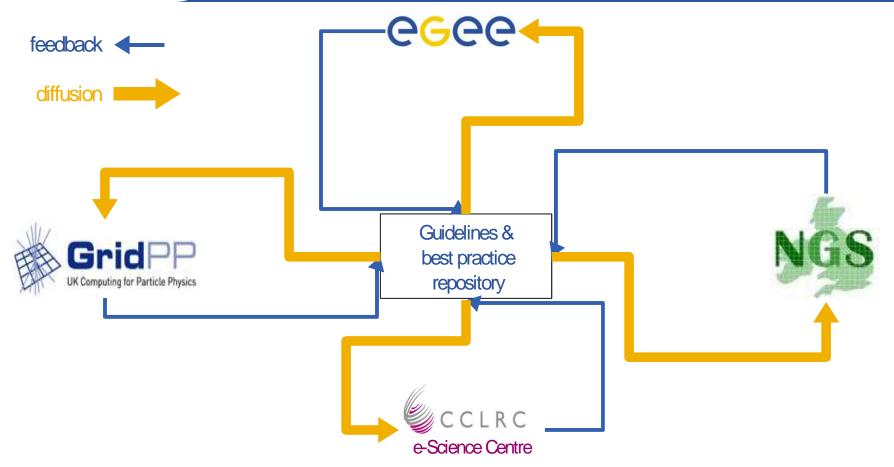
- Most sites have similar security issues
- Heterogeneous groups of systems administrators
- Experience from security incidents is extremely useful
- Good ideas should be spread amongst the community
  - Guidelines & best practice should be advertised

#### \*BUT\*

- Information must be kept up-to-date
- A single source of information is not enough
- Maintaining coherent information amongst many sites is difficult

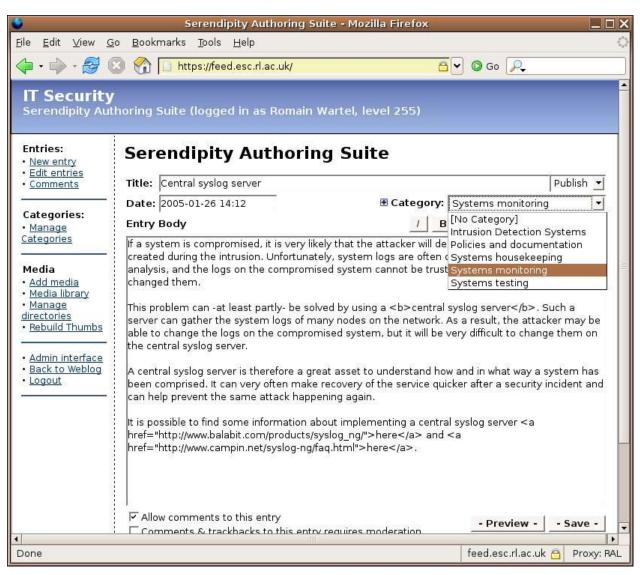


# System architecture





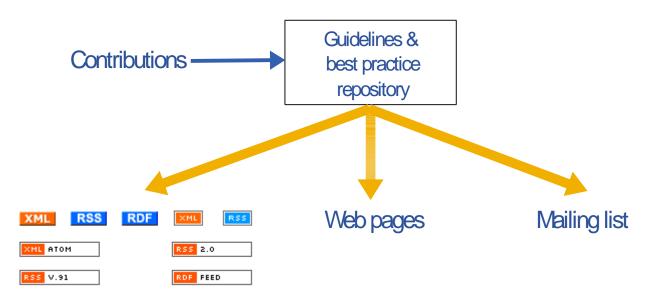
# Authoring mechanism



- Web interface, currently using Serendipity
- Using Gridsite authentication (x509 certificates)
- Contributions centralized and published by "trusted" people



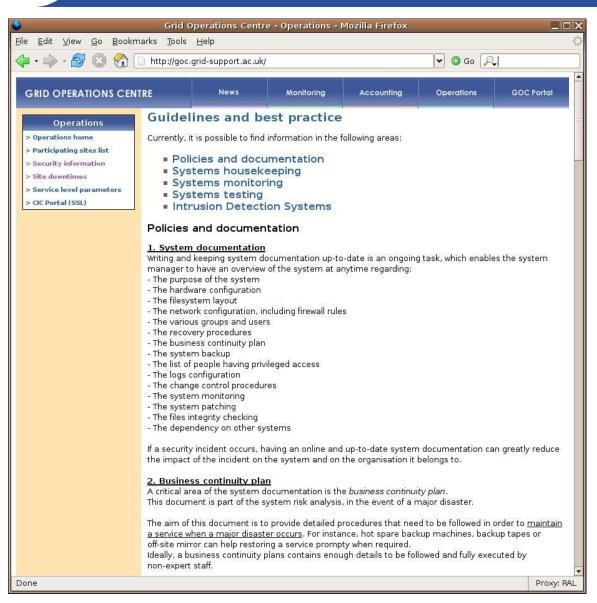
### Publication mechanism



- The information is published via:
  - Web pages
  - email
  - RSS feed

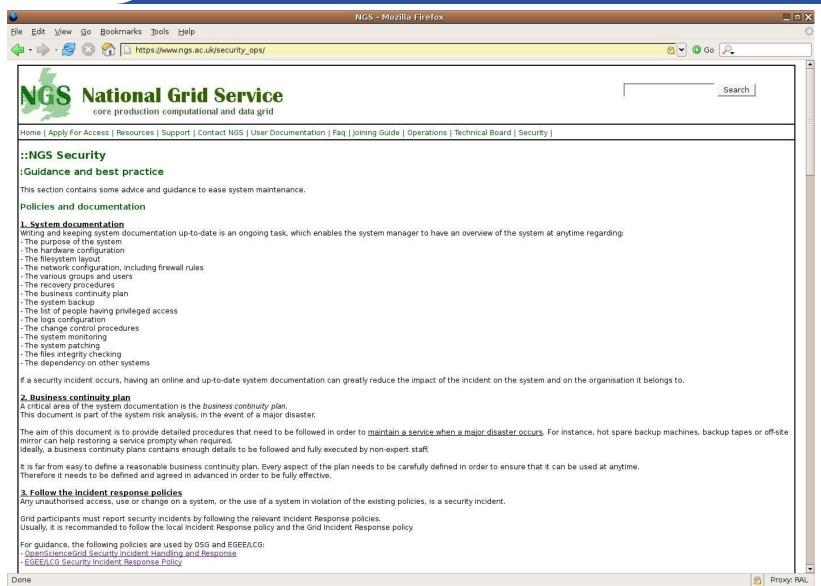


### Getting the information on the Web 1/3



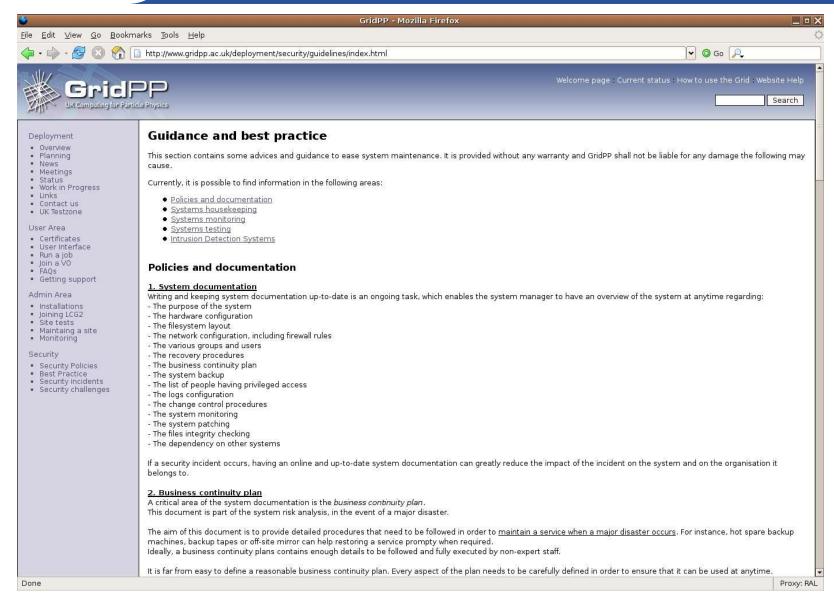


### Getting the information on the Web 2/3



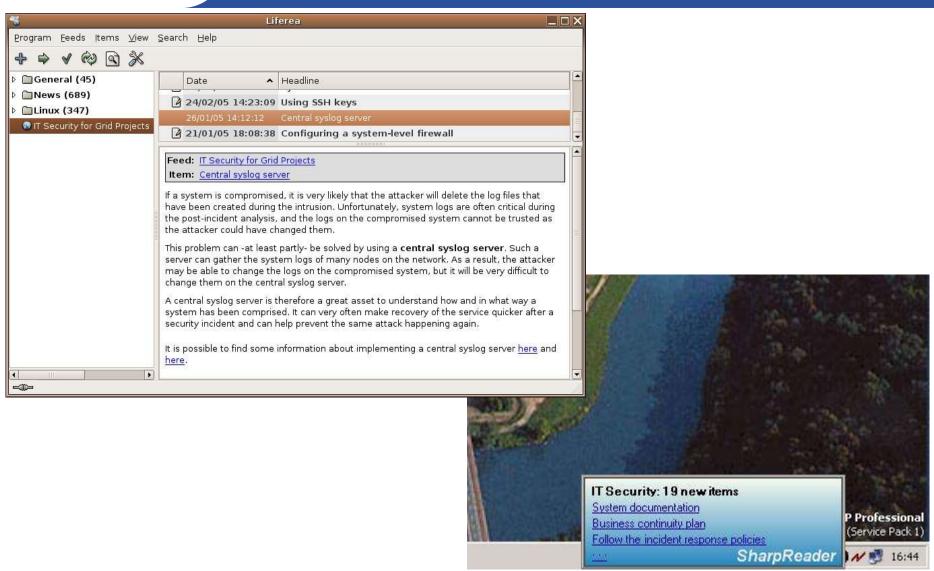


## Getting the information on the Web 3/3



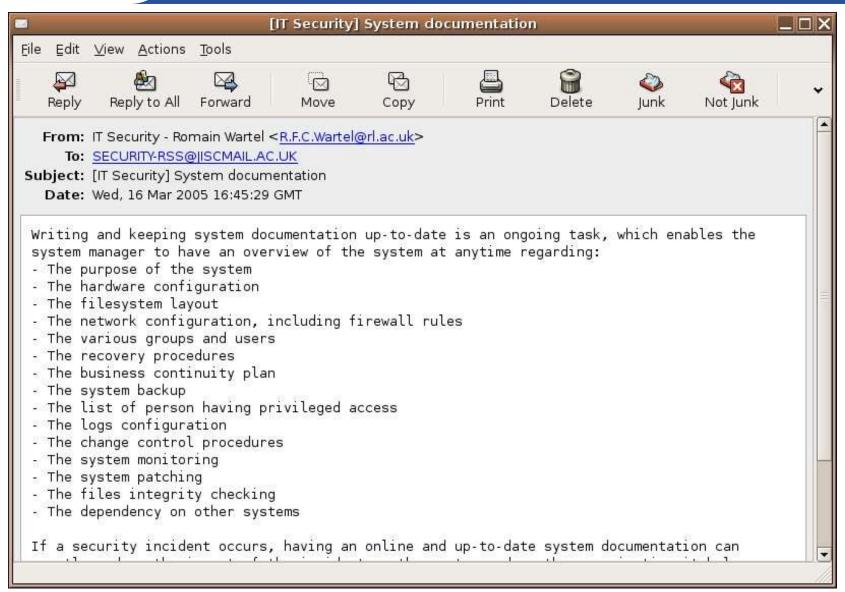


### Getting the information via RSS





## Getting the information by email





# Current architecture summary

- XML based, recognized standard
- Widespread technology: many clients and APIs
- Enables injecting security information within existing Websites
- Enables filtering of the information
- Any webmaster can use the feed
- Coherent, up-to-date information is available
- Design up to Webmasters, but some layout can be pushed

#### However:

- RSS requires a server-side mechanism
- Webmasters need to trust the authors or perform manual updates



#### We need to:

- Provide better, more targeted content
- Provide a second layer of information, via external Web pages
- Receive contributions from the community
- Deploy the mechanism amongst more sites
- Improve the way the information is sorted



Questions?