



« networking the networkers »

NRENs and Grids Workshop
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Introduction to the NRENs and Grids workshops



Overview

- › NRENS ?
- › Grids ?
- › NRENS and Grids issues and solutions
- › Overview of past workshops
- › Today programme





NRENs

› NRENs objectives:

- › Providers of connectivity and services for the academic community;
- › Offer a collaborative environment to allow for resource sharing;

› NRENs resources

- › Network
- › Directories
- › Online material

› NRENs users

- › Big and heterogeneous community
 - › Spanning from end-users to researchers





Grids

› Grid objectives:

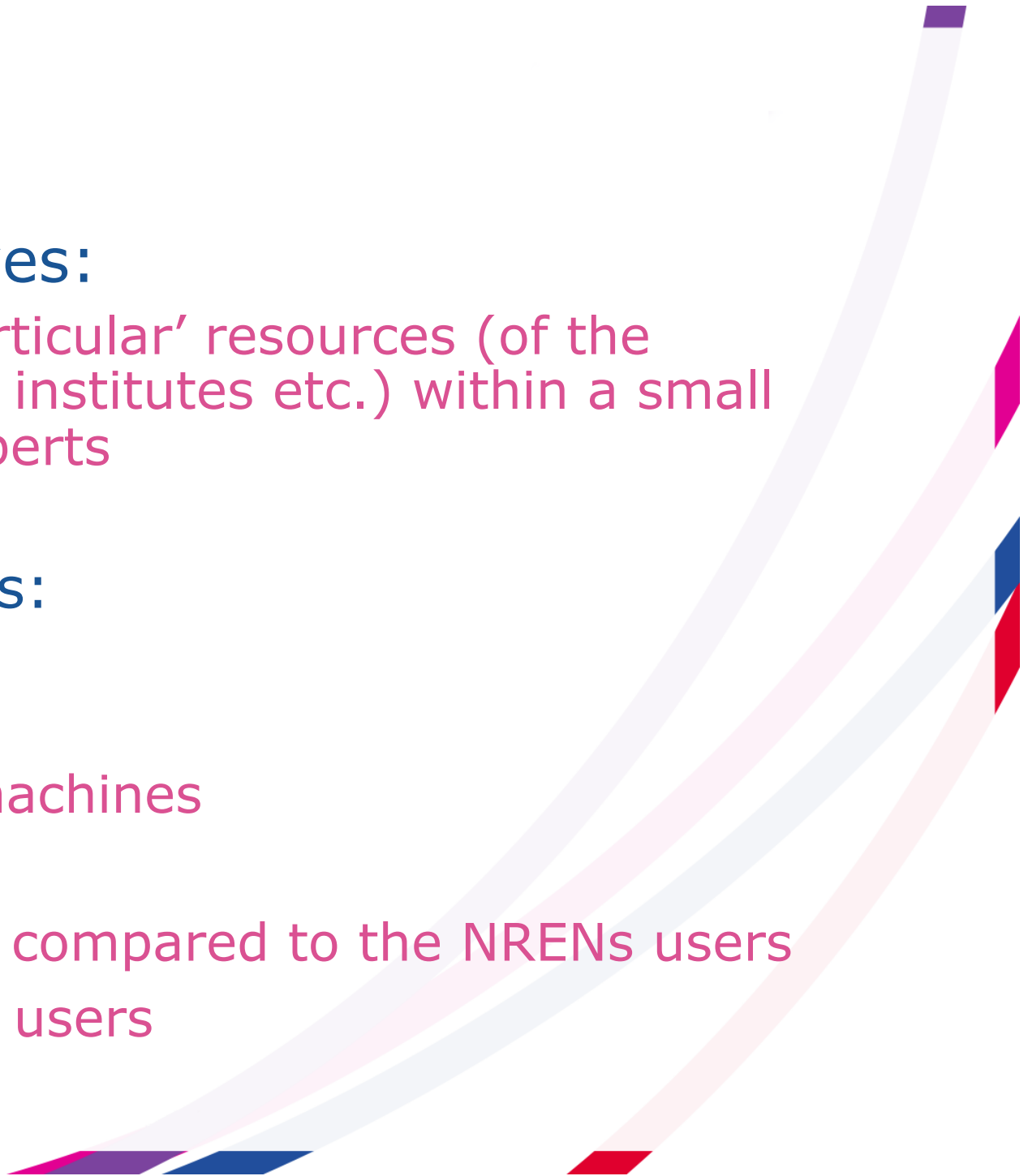
- › Sharing 'particular' resources (of the universities, institutes etc.) within a small group of experts

› Grid resources:

- › Storage
- › CPUs
- › Dedicated machines

› Grid Users:

- › Small group compared to the NRENs users
- › Experienced users





NRENs and Grids Requirements

› Grid AA Requirements

- › Strong requirement for AuthN
 - › Protecting resources from unauthorised access
- › AuthZ initially weak
 - › Managed via the Vos

› NRENs AA requirements

- › “Weak” authN
 - › initially via username/password
 - › easy solution to deploy
- › Focus on AuthZ
 - › need to provide fine-grained access
 - › Ex: Shibboleth



Common goal?

- › Both NRENs and Grid AA aim at:
 - › Sharing resources across organisational boundaries using fine grained authN and AuthZ
- › Over the last years:
 - › NRENs more attention for authentication
 - › Grids more attention for authorisation
 - › More opportunities to work together





TERENA NREs and Grids workshops

› Objective:

- › Exchange information on current practices
- › Reach a common understanding about the likely impact of Grids on NREs
- › Investigate the organisational and political issues that need to be addressed
- › Consider which initiatives and/or projects need to be engaged





NRENs and Grids Workshop: past events

- › What we looked at so far:
 - › First edition, broad spectrum
 - › Second edition, focus on AAI
 - › Third edition, focus on Grid security aspects
 - › Fourth edition, focus on SLS: definition, monitoring and fault detection
 - › Fifth edition: End-to-End and AAI to access to federated resources in virtual organisations
 - › Sixth edition (Nov 2007)
 - › Discussed the possibility of extending the Schema for Academia (SCHAC) to Grid
 - › Proposal to set up a test bed to connect VASH with eduGAIN



Today's Programme

- › Middleware/Security Track
 - › Authorisation in eduGAIN
 - › Cándido Rodríguez Montes (RedIRIS)
 - › Easing access to Grids using identity federations
 - › Daniel Kouril (CESNET)
 - › Authorisation development in Grids
 - › David Kelsey (Rutherford Appleton Laboratory)

