

e-INIS

The Irish National e-Infrastructure

Overview and Progress Report

VIBE Meeting 2008 - NUI,M

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Overview

- What is e-Infrastructure?
- Who's involved?
- What are the applications?
- What's our objective?
 - A Sustainable National e-Infrastructure
 - Support advanced research
 - Let scientists focus on the science



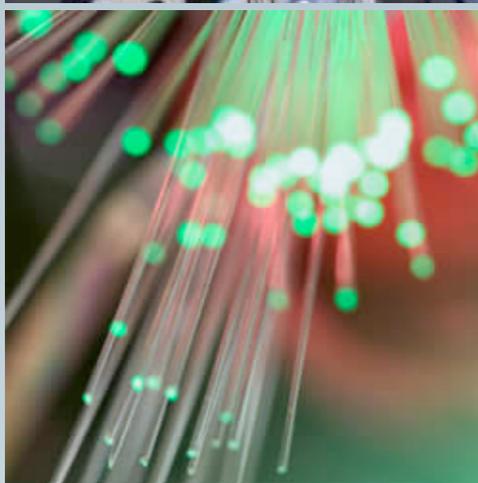
High Performance Computing

- ICHEC
- Grid-Ireland
- NUI,G
- TCHPC
- UCC



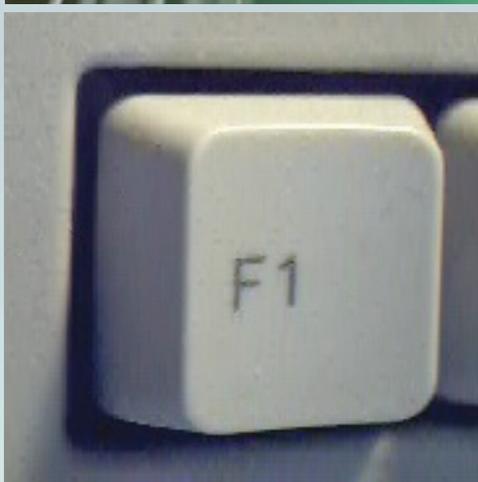
National Data Storage & Services

- Pilot data services
- Federated architecture - DIAS, TCD, UCC, NUIG



Advanced Network Services

- ROADM (UCLP)
- Grid-Computing
- Federated Access Management



Expert User Support

- Dedicated support scientists
- Specialist software developers



National Data Store

- Lacking on the Irish research landscape
- A coordinated effort of existing infrastructure partners.
- Pilot project (move towards data curation)
- Already benefitting new project proposals
- Ongoing strategic investment for duration of project
- Hardware is the easy part
 - Need to determine access patterns



Federated Access Management

- HEAnet pilot project
- Based on trust relationship between Identity Providers (IdP) and Service Providers (SP)
- Authentication is devolved to the home institution.
- Attribute exchange between IdP and SP
- Numerous Advantages
- Currently Seeking pilot IdPs and SPs





Summary

- Ongoing HPC development
- Storage resources are being put in place
 - User Input Needed!!
- Demonstrator projects are proceeding well.
- Promote uptake and demonstrate added value of integration
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