

Meeting Researchers' Requirements

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Topics

- JANET Services
- Data & Information
- Access to Infrastructure
- Project Collaboration
- Crossing the Campus-JANET interface

Chicheley...

- National Infrastructure
- International connectivity
- Service outsourcing
- Case Studies
- Large Science/user groups
- Community engagement
- Achievable network throughput
- Lightpath & overlay networks – policy & practicalities
- Information from the JANET network – traffic, energy...
- Special topics
 - Wireless
 - Optics/Photonics systems
 - Visualisation
 - Network research

JANET Services

- IP
- JANET Lightpath
- Futures ?
 - Optical layer services
 - Alien waves
 - More flexibility at layer 2
- Flexibility
 - Engineer this into the infrastructure
 - Helps maintain SLAs
 - manage community broadening
 - Cumulative constraints
 - Enable development activities without service disruption

Data and Information

- Traffic data
- Energy data – green agenda
- Operational information
 - Routing policies
 - Router configurations
 - Fault/incident logs & descriptions
 - Understanding incidents and implications at the network level
- Service monitoring

Access to Infrastructures

- Dark-fibre facility
 - JANET Aurora
 - Continue a shared facility
- Wireless – Mark’s talk earlier
- General R&D
 - JANET(UK)
 - Community
- Others as needed...developments over next decade+

Project Collaboration

- Desire to work with JANET(UK) in some sense
- More direct collaboration
- RAs
- PhD students

Campus-JANET interface

- Lightpaths
- Other new services
- What do we do to improve the service interface ?

End

IP service - maintain, important to everyone

spectrum of requirements, - support services which researcher (and others) may/will use - eg Gavins points & generalised versions of this

- * Lightpath service, more pervasive, quicker deployment (provisioning)
- schedulable ? More robust application procedure - int links get commitment (must be symmetrical - resilience in future - possible costs/charges)
- technology delivery mechanisms
- * Performance issues - highly capable network - helping people to get more from it eg achievable throughput
- * Constraints due to SLAs, shared infrastructure & services, broadening community - engineer in sufficient flexibility/control in the infrastructure to enable JANET(UK) to manage this - case for development platform
- * more coherence across regions
- * campus interface, delivery on campus
- * more monitoring - how are services being used
- * DF funded, community & JANET(UK)
- * Chicheley outcomes - review
- * More support for research community working with JANET(UK) - projects, access to net information

- * JISC/e-Science themes of local support for researchers - IT people with science competence to facilitate