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# What do non-LHC experiments require from the Grid?

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**Part 1: Rants**

**Part 2: Requests**

**Part 3: Recommendations**

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## What is unique about non-LHC experiments?

- **They are mostly taking data:**
  - **Constantly changing dataset.**
  - **Require fully accurate book-keeping.**
  - **Complex databases of conditions and calibrations.**
  - **Often have to apply post-production corrections.**
- **They want to do physics now.**
- **They have to support pre-Grid software.**
  - **Working Distributed Computer Models that pre-date Grid.**
  - **This is the majority of the software.**
  - **Have to maintain capability.**
  - **Has to be validated.**
- **Limited manpower.**
- **LCG is not the only Grid in the village.**
- **Require stable sites on the whole.**
- **Users will go where the resources are:**
  - **Resources need to be there first.**
- **Collaboration Management is looking for firm commitments.**

# Response to request for comments.

- **GridPP/LCG**
  - Most are happy with the basic use of LCG.
  - Most are happy with support (when they can find it).
  - Better communication between User Board/GridPP and Users.
  - The stick does work but more carrot would be useful. More engagement with experimental users.
  - National policy on VO support.
- **Tier-1/2's**
  - Stability in Hardware important\*\*\*. Production is important.
  - ...but would also like access to development sites.
  - Some want to concentrate on large Tier-2; others find small Tier-2's useful but important that Tier-2's are identical\*\*\*.
  - Realistic roadmap for availability of Tier-2 resources\*\*\*
  - Need more details on Tier-2's. Opportunity for directing limited effort.
  - Access to help on firewalls\*\*\*.
  - Easy access to install specific software (compilers etc...).
- **Software**
  - Stability in Software important \*\*\*.
  - Better coordination in developing tools to manage data analysis. Is Portal useful? are there alternatives? Can/Should this effort be a project in itself?
  - Backward compatibility in Grid software releases useful.
- **Personnel**
  - Limited manpower so not all bases can be covered.
  - More sys-admin help.
- **Most of the Responses to the Experiment Engagement Questionnaire are still true.**

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# Recommendations?

- **Stable sites.**
- **A common description of Tier-2's (SW,HW,Personnel,contacts). Perhaps even a common web site and design.**
- **Policy on generic VO-support across the UK.**
- **Named people at Tier-2s to act as non-LHC contacts.**
- **A Tier-2 to act as a guinea pig for all non-LHC experiments.**
- **Non-LHC experiments to document their requirements and make available publicly.**
- **A one-off meeting between Tier-2 managers and non-LHC experiments to explain requirements.**
- **3-monthly review of response to experimental concerns.**
- **Should non-LHC form a non-LHC forum?**
- **Find a way for LHC developments on data analysis to be shared with non-LHC experiments (and vice-versa).**

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# Topics for Discussion

1. **What has changed since the Experimental Engagement Questionnaire?**
  1. **Have your comments been addressed?**
2. **Grid Software:**
  1. **Can this be used easily?**
3. **Experiment Software**
  1. **Can this be installed easily on Tier-2's?**
  2. **Can this be run easily on Tier-2's?**
4. **Experimental-specific Hardware (servers etc...)**
  1. **Can these be installed easily on Tier-2's?**
5. **Network/Interface**
  1. **Do you get your jobs back?**
  2. **Are firewalls a problem?**
6. **Monitoring**
  1. **Do you know where your jobs are?**
7. **Resources**
  1. **Do you know when resources are available? and how to get them?**
8. **Documentation:**
  1. **Can users get going easily? Is there a one-stop site?**
9. **Trouble-shooting**
  1. **Do you know who to go to? Do you get a response?**
10. **Management (GridPP/Experiment).**
  1. **Is there a forum for raising your concerns?**
  2. **Are your needs being addressed?**
  3. **Are your people getting the recognition they deserve?**
  4. **What do you need from gridPP to help you get support from your experiment?**