What to expect in TB 2.0

J. Templon, NIKHEF/WP8

WP1

- New resource broker architecture
  - Big potato → french ("freedom") fries
- Fixes for Condor-G 512 job limit
- Fixes for myproxy server problems
- Support for job checkpointing
  - User will have to provide space for checkpoint data
  - User will have to manage checkpoint data
  - I think program will require some instrumentation

WP2

- New replica manager program
  - Mostly uses different replica catalog
  - Promised to be more robust, better error handling
- Replica Location Service
  - Entirely different "replica catalog"
  - Uses WP7 network info to really find "best replica"
- Basic Metadata Facilities
  - Can add user-defined attributes
  - Can't directly search for "all files with given attribute" yet

WP3

- Unknown exactly what will be in 2.0
- R-GMA "almost ready" but there are some problems
- If ready, will choose between MDS & R-GMA: whichever is more reliable and stable
- GLUE schema is a big question mark
  we haven't really studied it, and only now realizing how important schema is for certain grid operations!

WP4

- LCFGng – supposed to be better. Not many people have looked at it.
- LCAS / VOMS / LCMAPS – implications for security, mostly in WP4. LCAS has some upgrades but I'm not sure if anyone is using them yet. Maybe VOMS is only customer

WP5

- SE v 1.0
- Space reservation not really there – there is an API and it checks space but doesn't really reserve it
- Code is still being furiously written, people are unsure of what the SE released will actually be
- Heard rumblings about "rfio support" but not clear what this means.

WP6

- Not sure what will be different

WP7

- Network costs
- Will be used by replica manager to get optimized replica selection.