



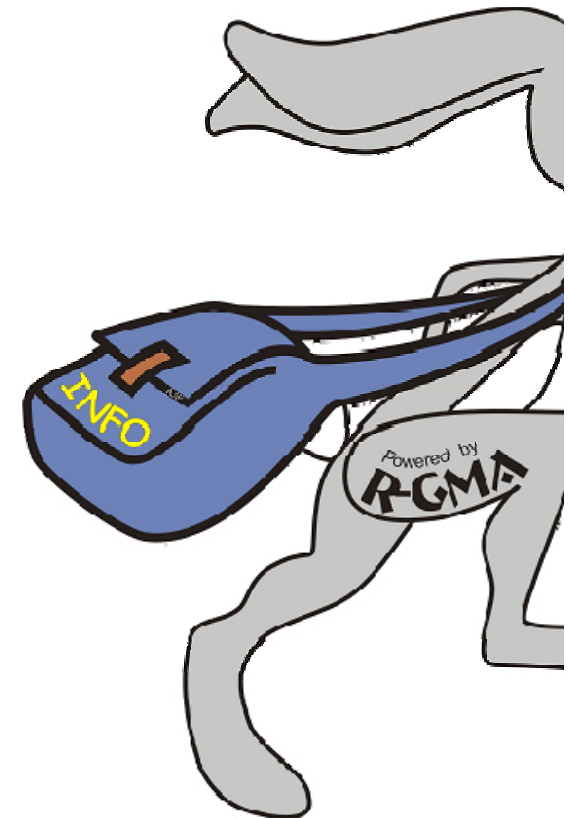
Information and Monitoring Status and Plans

EGEE06, Geneva, 25-29 Sep 2006

Steve Fisher/RAL on behalf of JRA1-UK

www.eu-egee.org
www.glite.org

- **People!**
 - 2 New people started
 - Kush and Ming
 - 1 more on Monday
 - 1 more to be advertised
- **R-GMA**
 - continues to work well
 - with experienced users
- **BDII**
 - some minor fixes made recently
- **SD**
 - C API in good shape
 - Needs more users
 - Some services not correctly advertising



- **Version 1.3 of the Glue Schema (CERN, CCLRC)**
 - November
 - This will probably happen on time
- **Write GIP Info Provider for Services (CERN)**
 - September
 - This should be done soon
- **Extending GIN to deal with Services (CCLRC)**
 - December
 - Done
- **Investigate Debian system to tar up logs and make them available (CCLRC, CERN)**
 - October

- **R-GMA Inspector (CCLRC)**
 - October
 - Tool to trouble-shoot R-GMA problems
 - This is now in good shape and will shortly be made available to SA1
- **Scripts to monitor an R-GMA installation (CCLRC)**
 - November
 - Scripts in daily use – but still need packaging

- **No new functionality in first release**
- **Significant changes include:**
 - The registry no longer sends out notifications.
 - Should increase reliability
 - Registry replication much simpler
 - No extra messages
 - Only one socket for streaming from one machine to another
 - Regular handling of remote invocation (time-outs etc)
 - Database independence
 - Managed tuple stores - essential to support authz
 - Multiple VDB support but no cross VDB queries
- **Compatibility with previous releases**

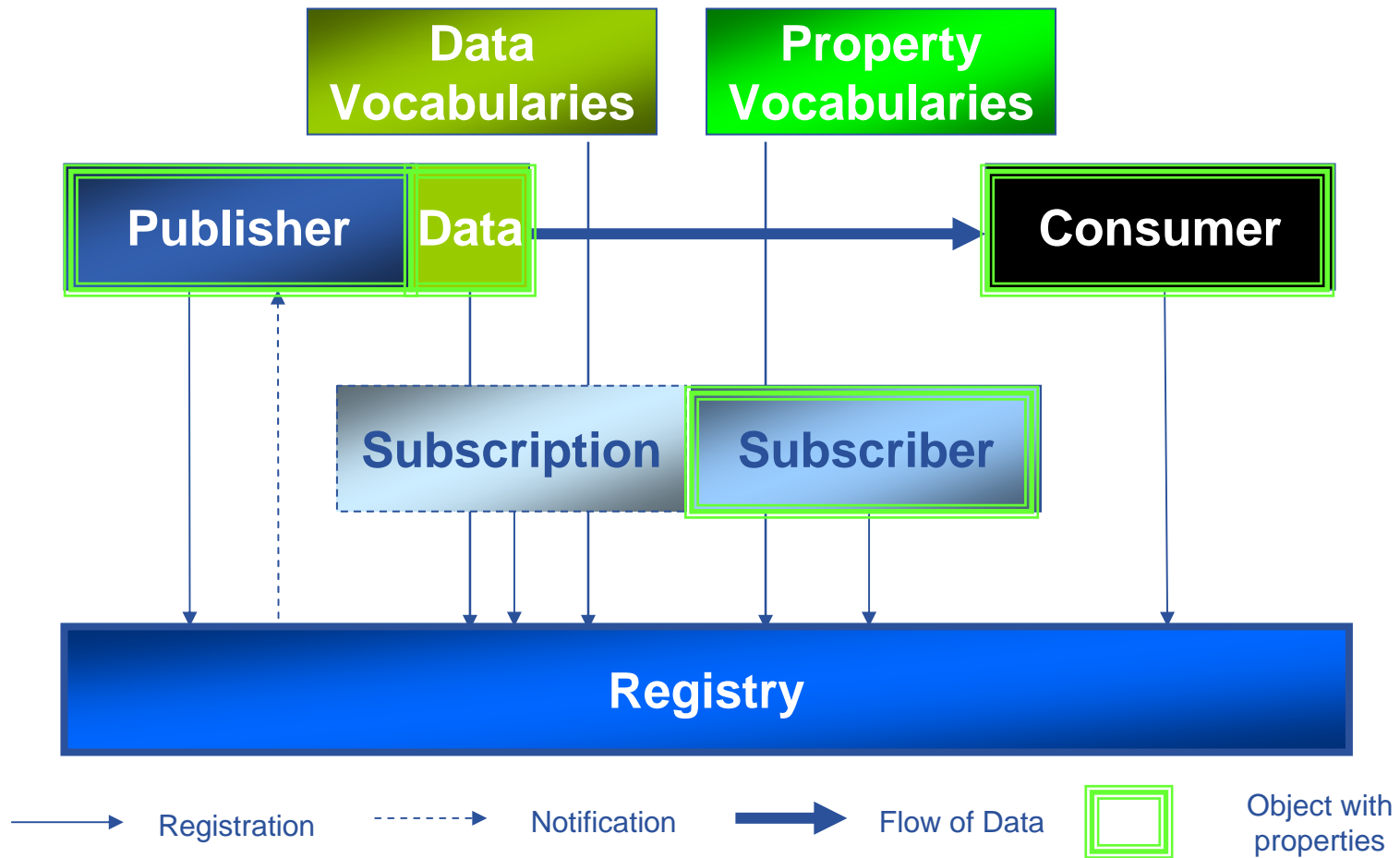
- **Will provide in this sequence:**
 1. Queries over multiple VDBs
 - Almost standard SQL
 - *Extension for Unions*
 2. Authz by VDB
 - This will make use of certificate attributes (VOMS groups/roles)
 - Database engine is used to implement parameterised views
 3. Registry replication
 - Much easier now that registry is passive
 4. Schema replication
 - Design under review
 5. Oracle support
 - DB independence part of new design

- **Modify mediator to make use of secondary producers with a predicate**
 - This allows data to be partitioned and thereby reduces the total amount of data processed by one secondary producer
- **Allow a tree of secondary producers**
 - This is a generalisation of the above
 - To be effective it requires that the top level node is rarely used for queries
- **Alasdair Gray (Herriot-Watt) has worked out how to deal with both cases in his thesis**
- **More complex predicates**
 - Currently just simple restrictions on one attribute

- **Parallel invocation of plug-ins (CCLRC)**
 - Mar 2007
 - The fastest plug-in wins
 - This should be configurable (or file wins every time!)
- **Resolve caching issues (CCLRC)**
 - Mar 2007
- **"Configuration-free" SD (CCLRC)**
 - Useful as a bootstrap mechanism
 - it can locate the information server on the local subnet
 - Will use an existing protocol
- **Make use of the SD APIs in all components (All!)**

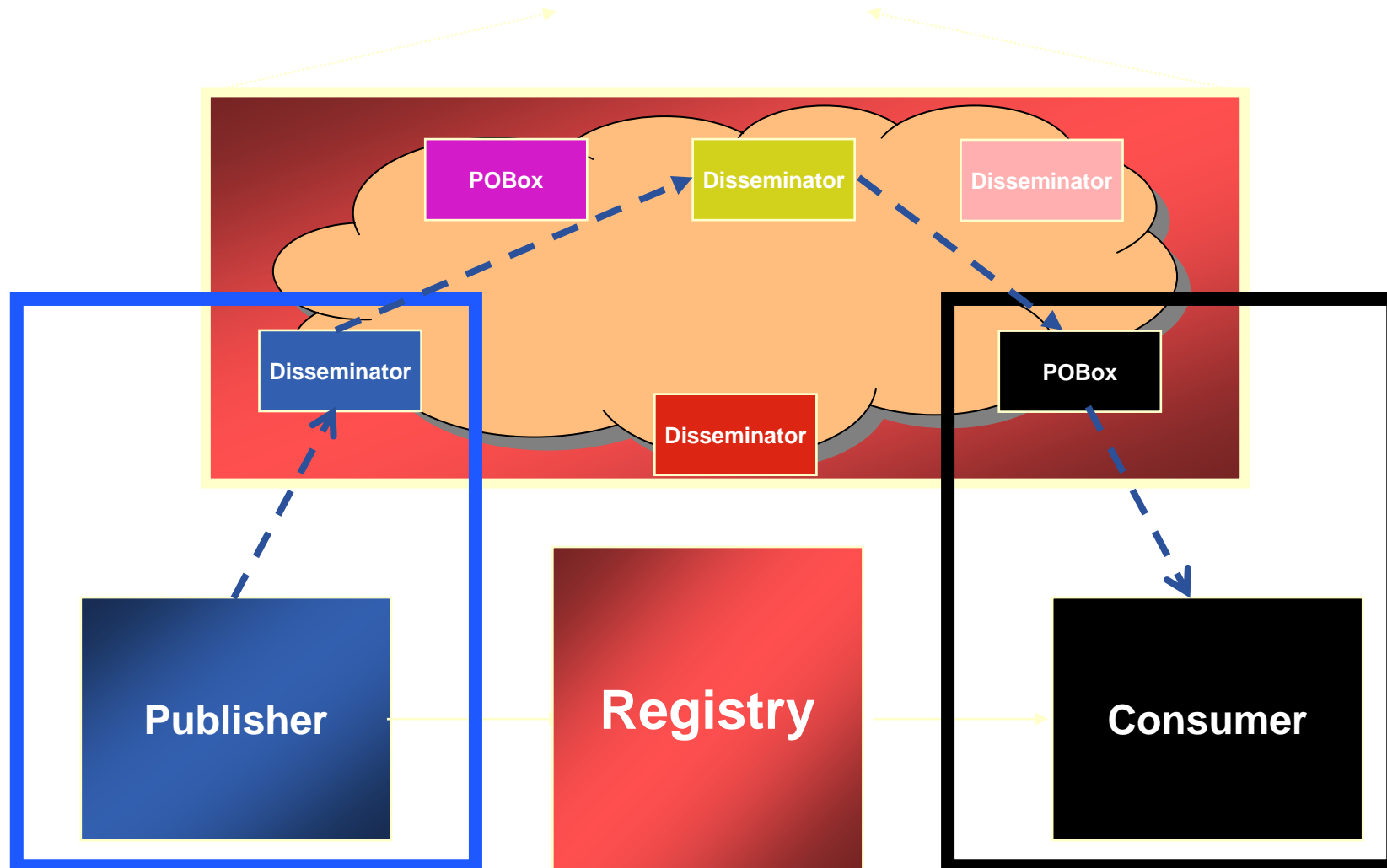
- **Following visit to FNAL**
 - OSG may contribute MDS4 backend
 - Interest in other APIs
 - Perl and Python prototypes being developed

- **Brief discussion with SAGA-RG at [GO]GF people**
 - They may be interested in including the SD API
 - It will involve some work and changes to conform to the SAGA style



- **Spec went into 60 day comment period**
- **6 formal comments and input from WSN**
 - More comments promised
- **At end of review period (8th October):**
 - Apply changes
 - Avoid “new features”
 - Want to achieve acceptance ASAP

- **Encourage academic involvement**
- **High level design and identification of existing components: Oct 2006**
- **Find students for implementation: Jan 2007**
- **Code: Aug 2007**



- **3 lists:**
 - R-GMA-ANNOUNCE
 - Low volume for R-GMA announcements to users
 - Moderated
 - Replies go to JRA1-UK list
 - JRA1-UK - jra1-uk@physics.gla.ac.uk
 - “Public” JRA1-UK list
 - R-GMA-SA1
 - Similar to JRA1-UK but includes SA1 people
 - Created for discussing SA1 applications – e.g. GridView
- **To subscribe to any of these lists:**
 - <http://www.physics.gla.ac.uk/mailman/listinfo/<list name>>
- **Web: <http://hepunx.rl.ac.uk/egee/jra1-uk/>**