



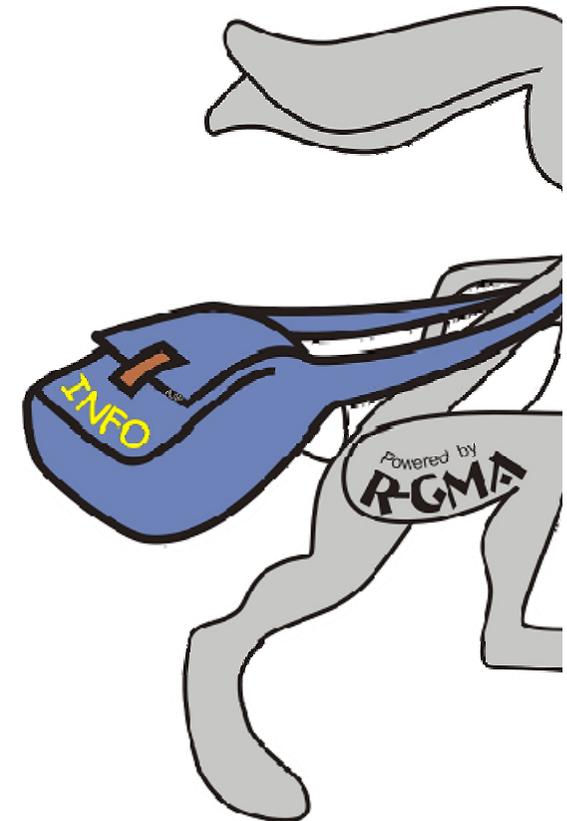
## Information and Monitoring Status and Plans

*EGEE06, Geneva, 25-29 Sep 2006*

*Steve Fisher/RAL on behalf of JRA1-UK*

[www.eu-egee.org](http://www.eu-egee.org)  
[www.glite.org](http://www.glite.org)

- **People!**
  - 2 New people started
    - Kush and Ming
  - 1 more on Monday
  - 1 more to be advertised
- **R-GMA**
  - stable
- **BDII**
  - stable
- **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

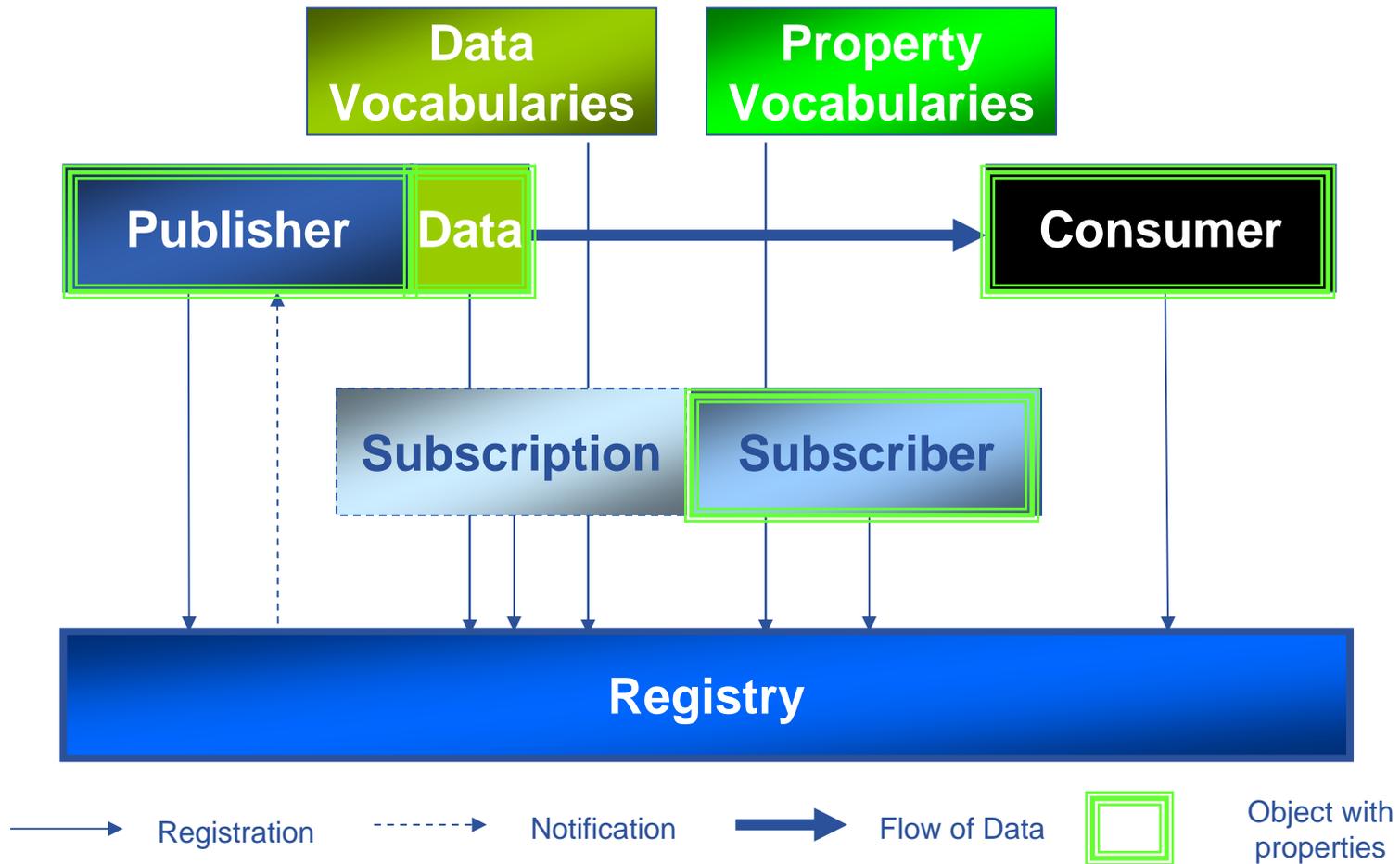
- **No new functionality in first release**
- **Significant changes include:**
  - The registry no longer sends out notifications.
    - Should increase reliability
    - Registry replication much simpler
    - No extra messages
  - Only one socket for streaming from one machine to another
  - Regular 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

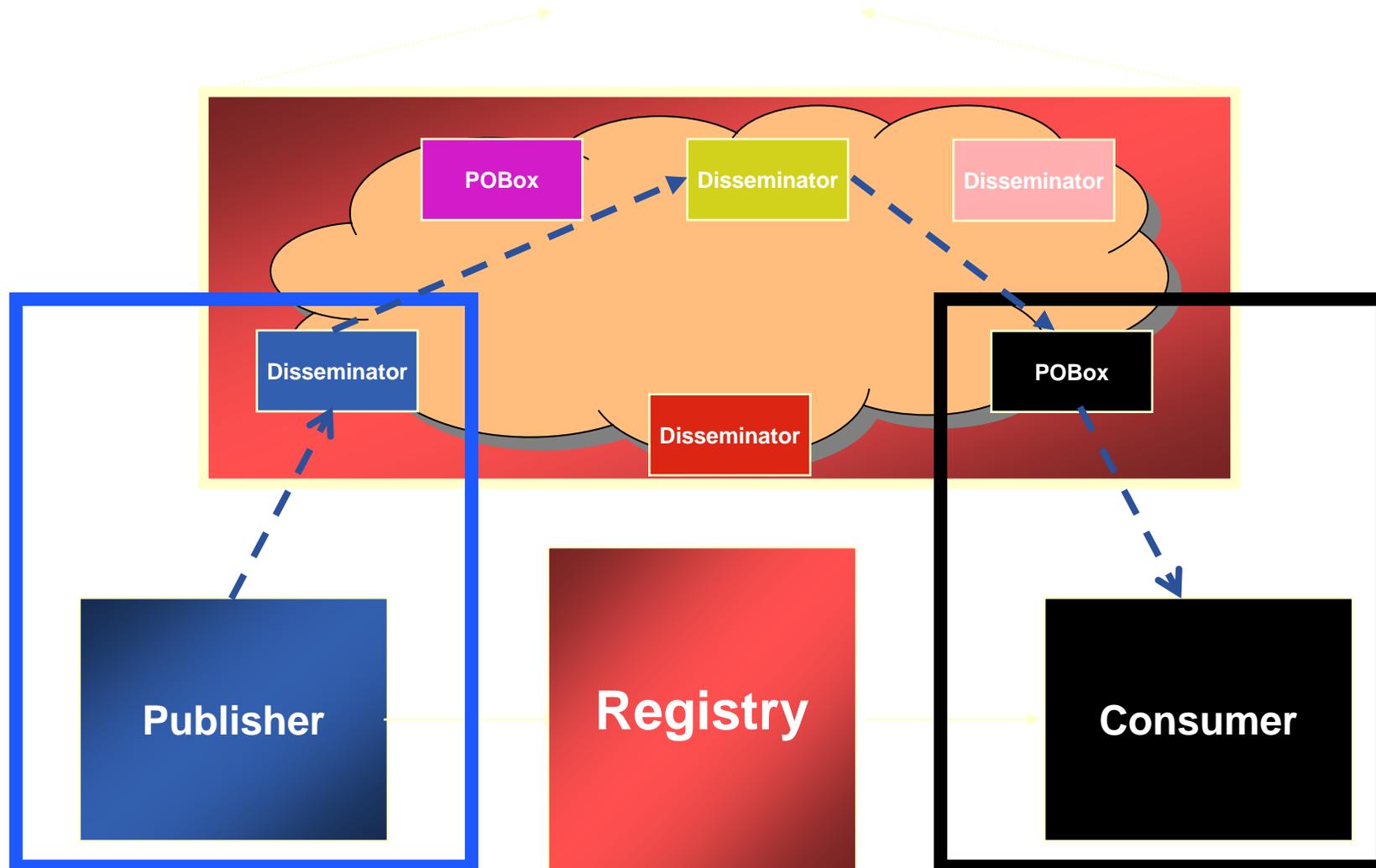
- **Parallel invocation of plug-ins (CCLRC)**
  - Mar 2007
  - The fastest plug-in wins
  - This should be configurable (or file wins every time!)
- **Resolve caching issues (CCLRC)**
  - Mar 2007
- **"Configuration-free" SD (CCLRC)**
  - Useful as a bootstrap mechanism
    - it can locate the information 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](mailto: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/>**