

Accounting Workshop

Alison Packer (STFC)

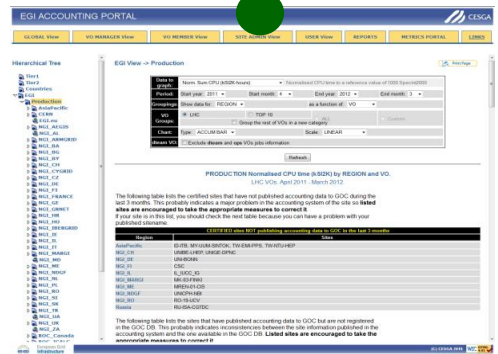
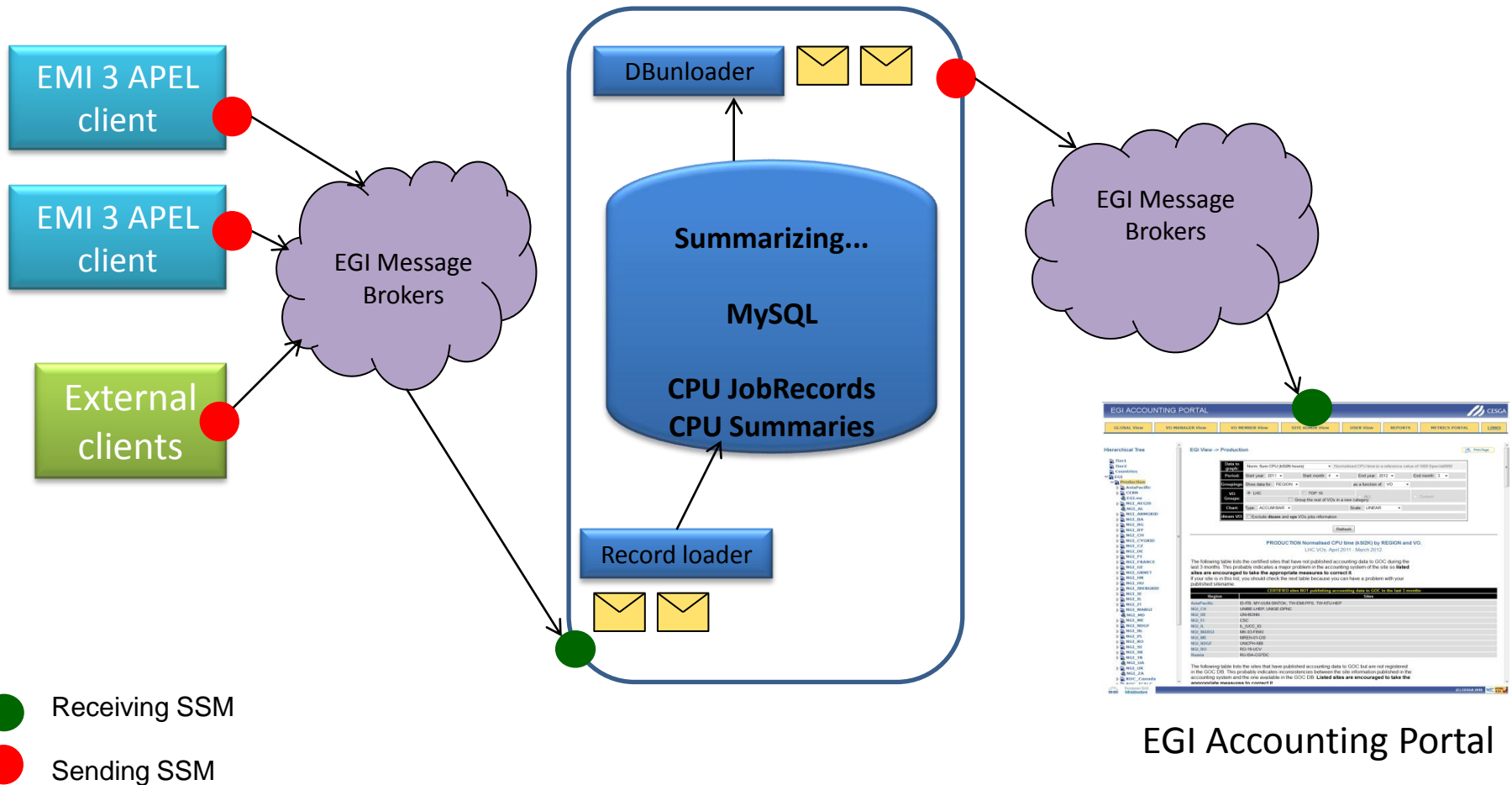


- Regional APEL Server (*Alison Packer – STFC*)
- EMI 3 APEL Client (*Will Rogers – STFC*)
- Cloud Accounting Portal (*Alvaro Simon – CESGA*)
- Developments in Application Accounting (*Henning Perl - Leibniz University Hannover*)
- A review of usage accounting and charge models in the UK NGS. (*Mike Jones – University of Manchester*)

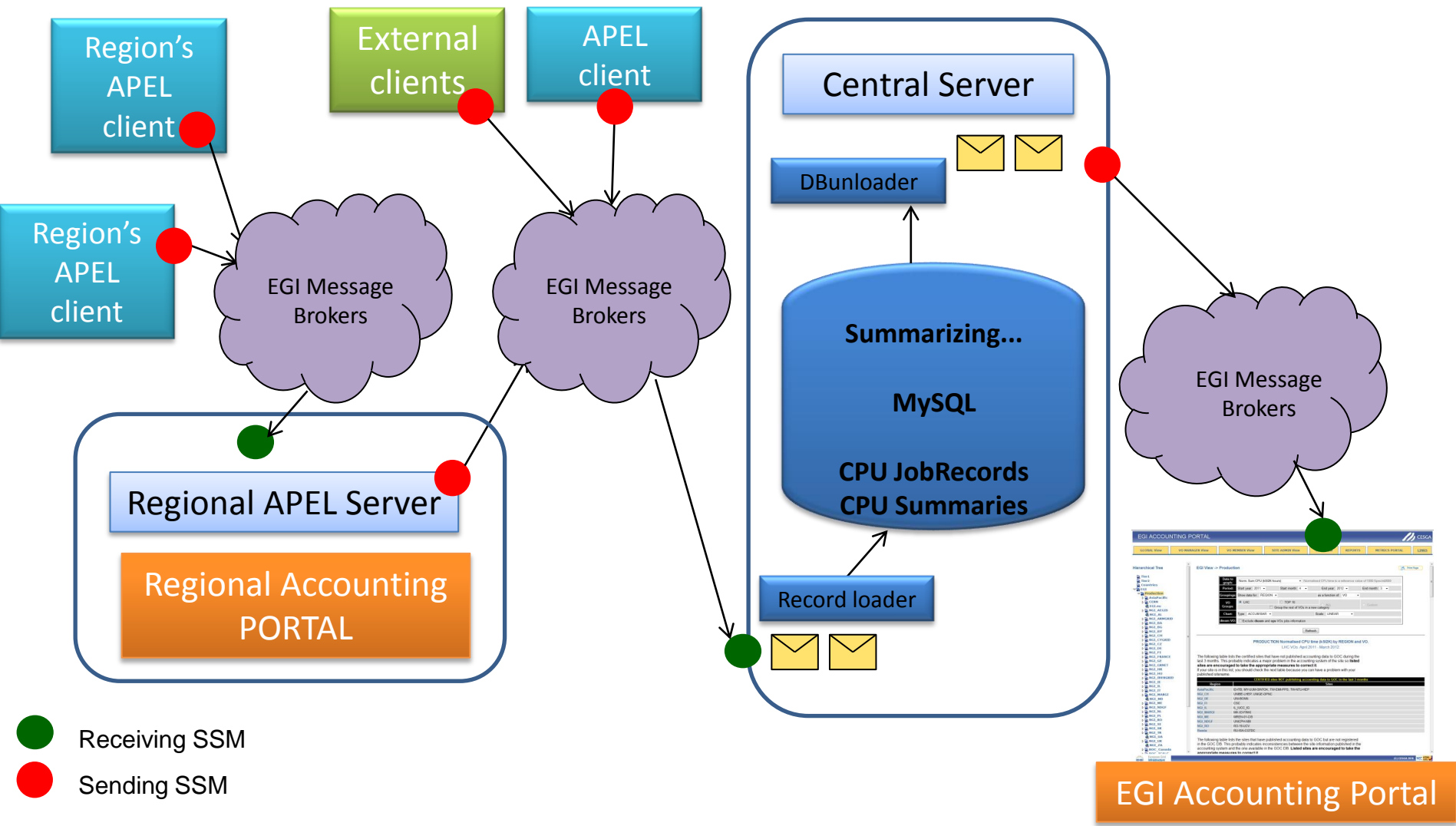
Regional APEL Server developed:

- In response to requests from NGIs who want to report CPU accounting both locally and centrally, may want to restrict the VOs reported centrally
- Allows countries with a large number of records to send summaries to the central repository rather than individual job records. This will improve processing times on the central server

- The New EMI 3 APEL Client can be configured to send either Job Records OR Summary Records to either the central APEL server or a regional APEL server.
- Communication between clients and servers is via the EGI Message Broker network using the APEL SSM package. Where the messages are destined for is controlled by the queue which is set in the SSM configuration.
- So, if a regional APEL server is installed then the region's APEL clients have their destination queue set to their regional APEL server



EGI Accounting Portal



EGI Accounting Portal

- Regional APEL server comprises:
 - MySQL database
 - apel-lib, apel-server and apel-ssm packages
 - Packages available on github and documentation for installing a test setup available now.
- Test configuration must include one system running EMI 3 APEL Client and one running Regional APEL Server

- To set up a test environment - data from event and blah log files can be copied to test client server
- Install APEL Client Parser and Publisher (can be on same server)
- Install Regional APEL Server packages on another server
- Configure SSM on APEL Client to send to Regional APEL Server
- Configure SSM on Regional APEL Server to receive from region's APEL Client and send to Central APEL Server
- A Test Central APEL Server is available for Regional APEL Server testing now

- APEL team need to coordinate with test sites so contact apel-admins@stfc.ac.uk for Regional APEL Server documentation and message broker queue details to start testing
- Regional APEL Server in production end April, 2013
- Regional Accounting Portal available May, 2013