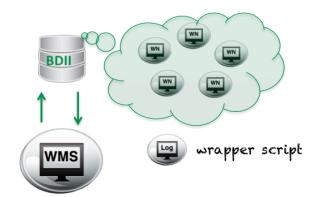# My First Grid job

Outline

- Grid middleware

- Job Submission

- Status polling

- Retrieve output

Grid middleware

- **Grid middleware**
  - a software stack to organize and integrate Grid resources
  - many layers
    - ✓ resource and connectivity layer
    - ✓ collective services layer

- **Various distributions:**
  - gLite
  - ARC
  - Globus
  - UNICORE
  - …

Job submit


```
mooc@ui:~/moocexamples
laptop $ 
```

Cancel a job

□ **glite-wms-job-cancel <JobID> … or glite-wms-job-cancel -i jobIds**

https://wms2.grid.sara.nl:9000/Xs_KqWjEhG39GGxt_6aKRw

Job ID	https://wms2.grid.sara.nl:9000/Xs_KqWjEhG39GGxt_6aKRw
CREAM ID	
Parent job	
Status	Cancelled
Type	Simple
JW status	Payload_running
...	
Cancel reason	Cancel requested by WorkloadManager

Job output

```
mooc@ui:~/moo...ples/1_MyFirstJob

Status info for the Job : https://wms2.grid.sara.nl:9000/gcMF-2z91sKkWdrpk1kCPA
Current Status:      Running
Status Reason:       unavailable
Destination:         gb-ce-tud.ewi.tudelft.nl:8443/cream-pbs-medium
Submitted:           Mon Aug 12 17:17:29 2013 CEST
====================================================================


17:18 ui.grid.sara.nl:/home/mooc/moocexamples/1_MyFirstJob
mooc$ glite-wms-job-status -i /home/mooc/moocexamples/jobIDs


==================== glite-wms-job-status Success ====================
BOOKKEEPING INFORMATION:

Status info for the Job : https://wms2.grid.sara.nl:9000/gcMF-2z91sKkWdrpk1kCPA
Current Status:      Running
Status Reason:       unavailable
Destination:         gb-ce-tud.ewi.tudelft.nl:8443/cream-pbs-medium
Submitted:           Mon Aug 12 17:17:29 2013 CEST
====================================================================


17:18 ui.grid.sara.nl:/home/mooc/moocexamples/1_MyFirstJob
mooc$ firefox &
[1] 1299

17:18 ui.grid.sara.nl:/home/mooc/moocexamples/1_MyFirstJob
mooc$
```