

## gLite Basic APIs

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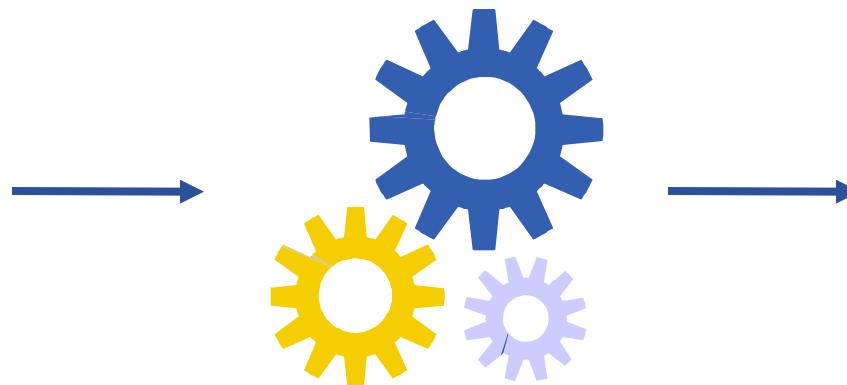
- Application definition
- Environment configuration
- Information discovery
- Data management
- Program definition
- Program execution
- Summary

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## Image Compression



original  
image

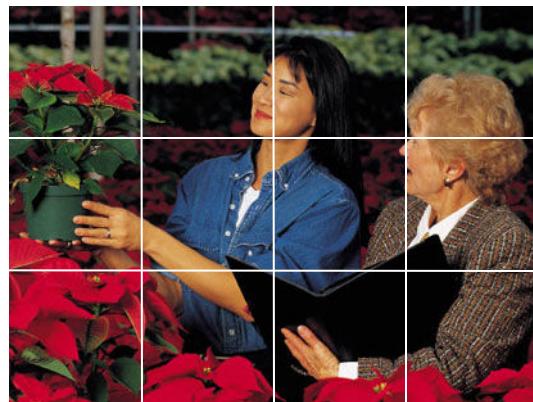


compression  
algorithm

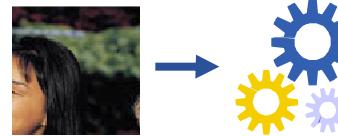
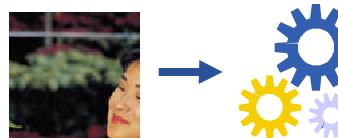
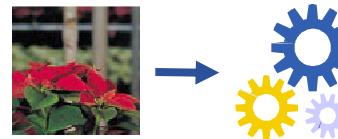


compressed  
image

# Application parallelization



data  
decomposition



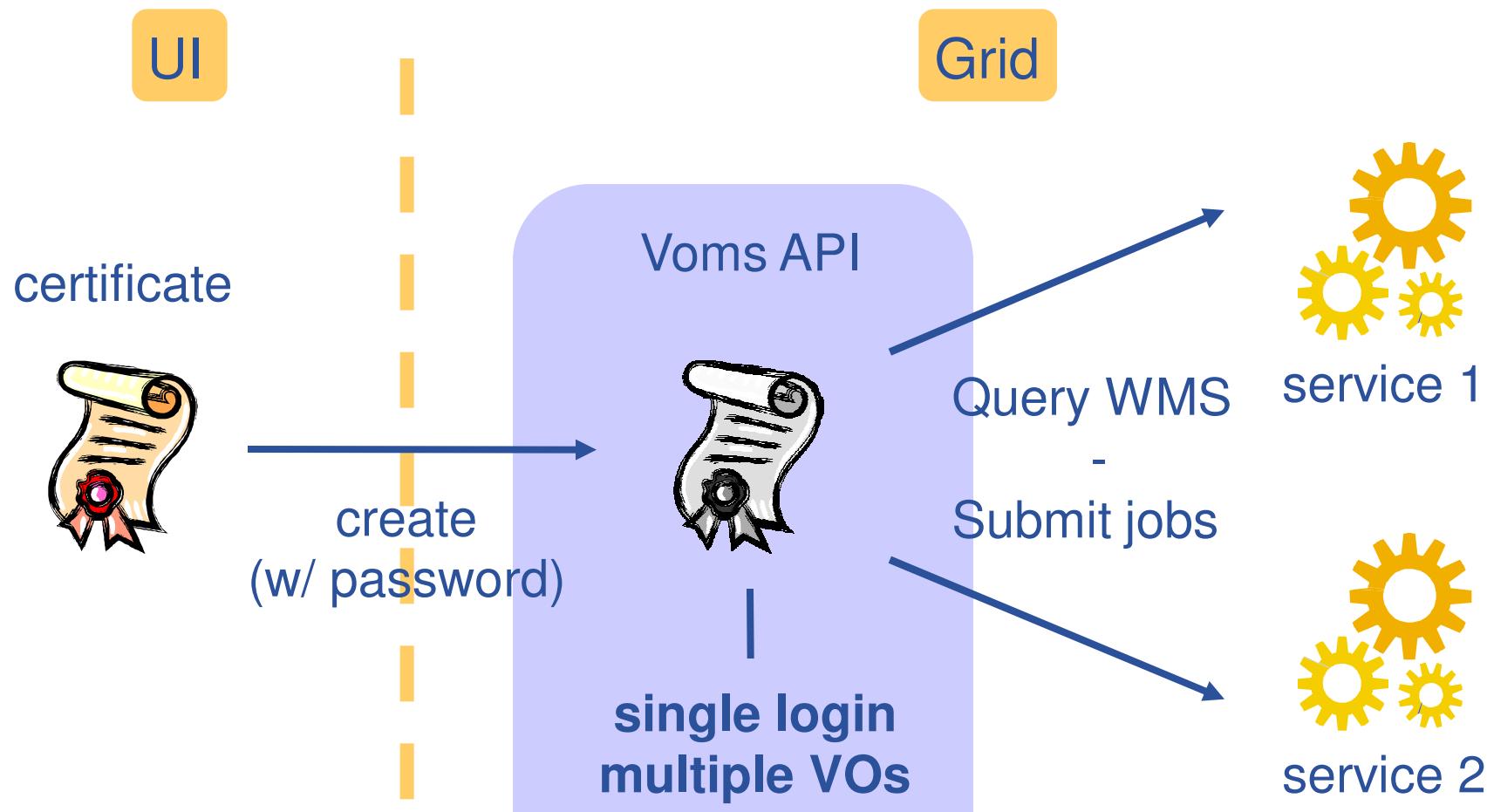
⋮

parallel  
processing



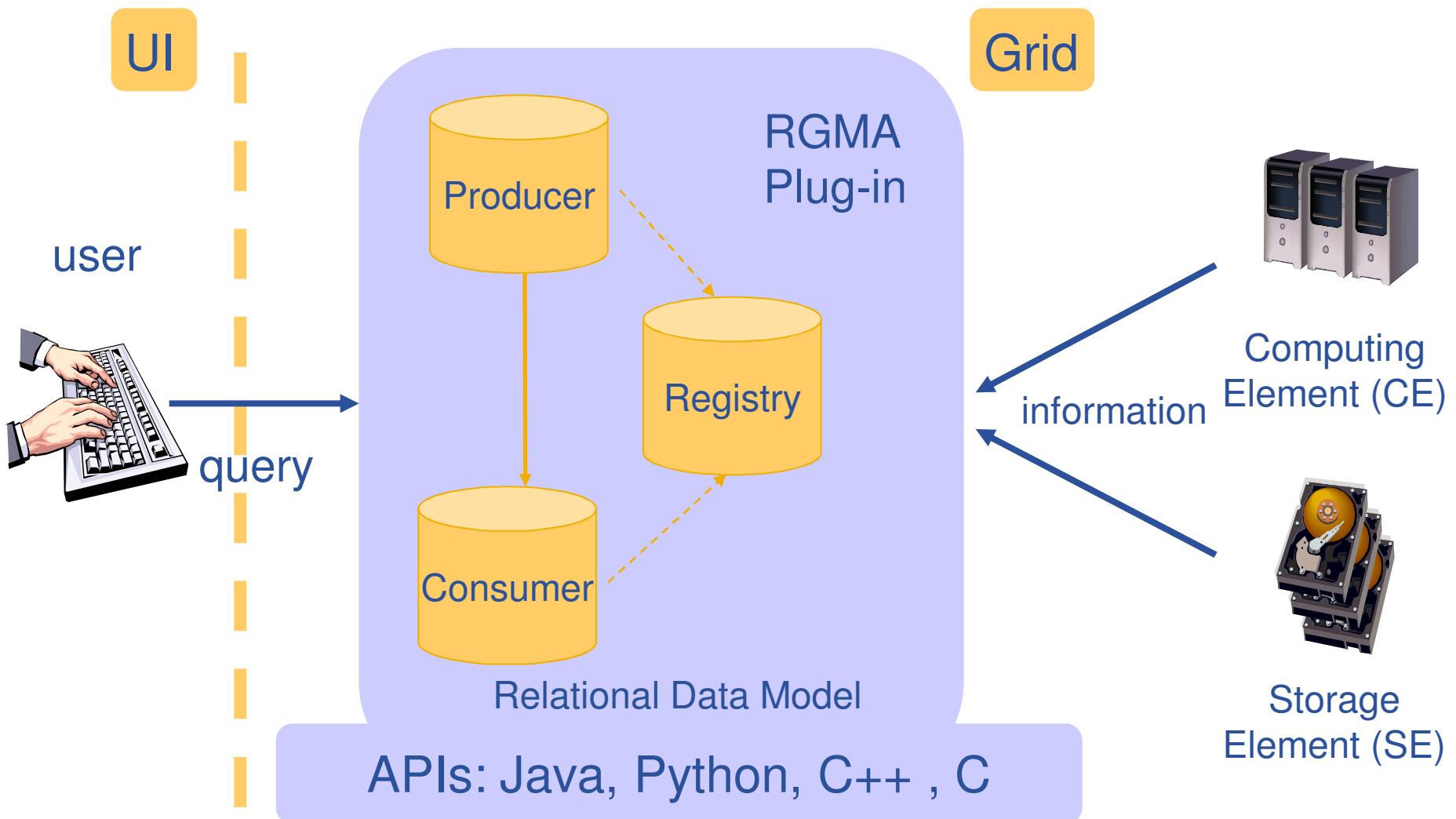
data  
composition

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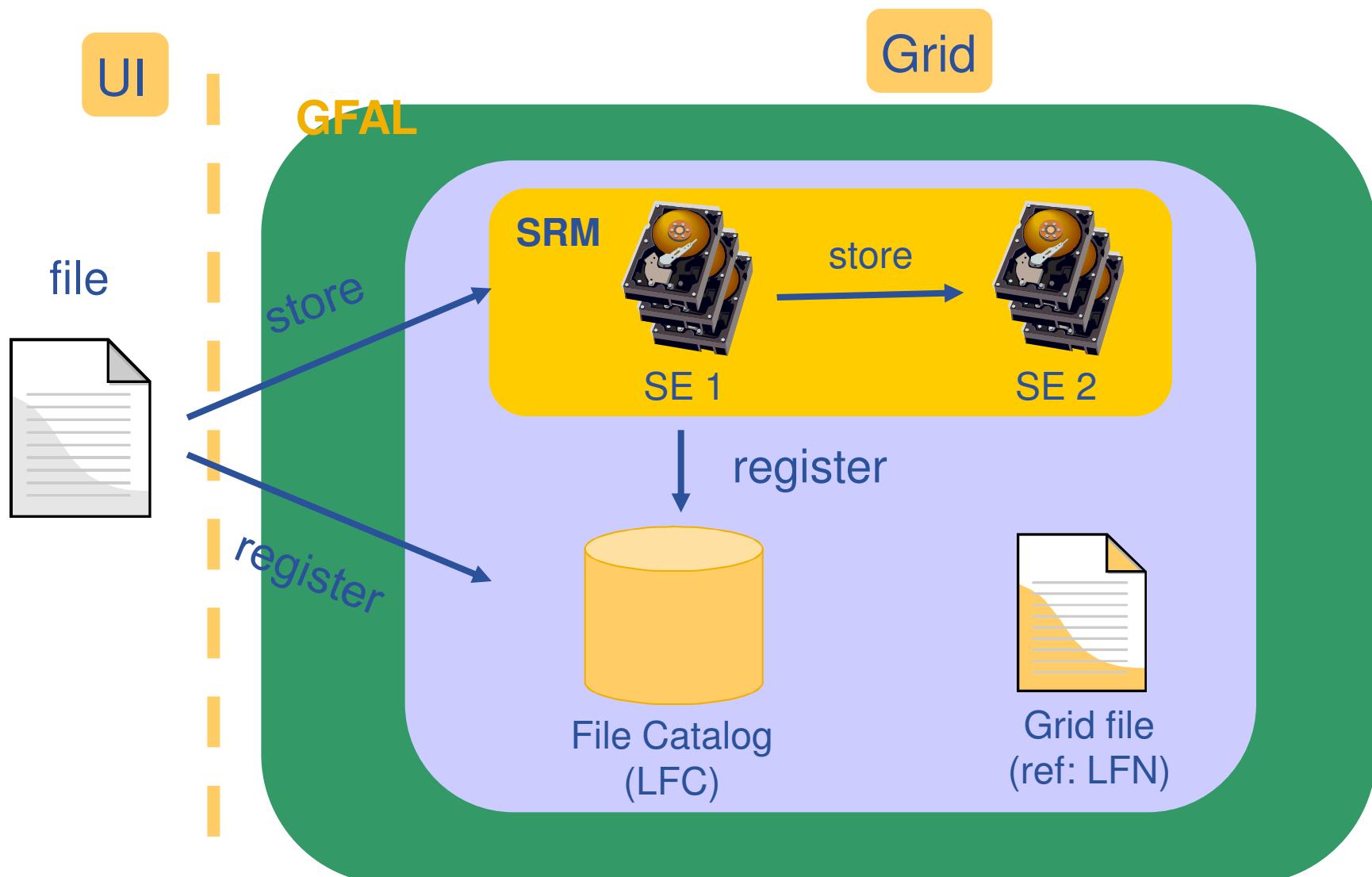


**Provides information on the user's relationship with his VO:  
Groups , Roles, Capabilities**

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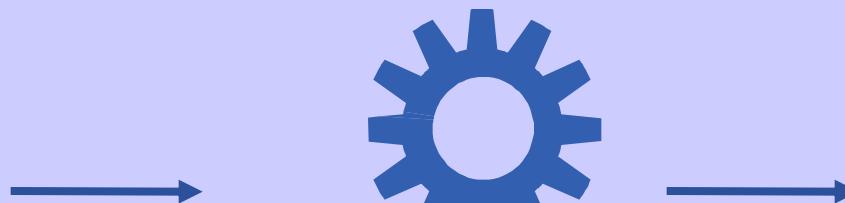


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## Job Description Language (JDL)



original  
input data  
sub-image



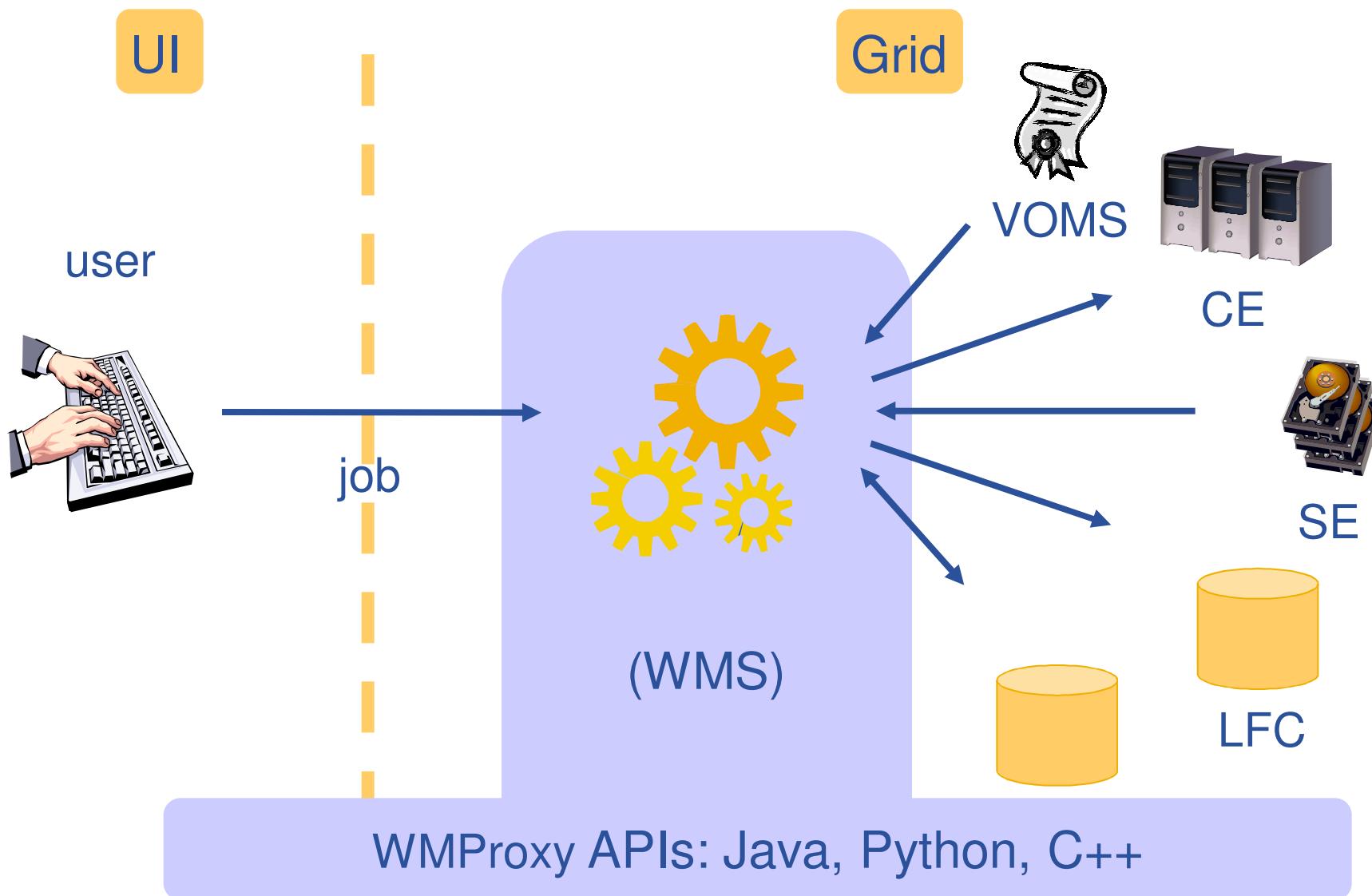
compression  
program  
algorithm



compressed  
output data  
sub-image

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# Job execution



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- Parallelize application
- Authenticate with VOMS API
- Get information with Service Discovery
- Data management with GFAL
- Execute application with WMS & WMSProxy API

- gLite Documentation  
- <http://glite.web.cern.ch/glite/documentation/>

# Questions?

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