



# WatG Browser

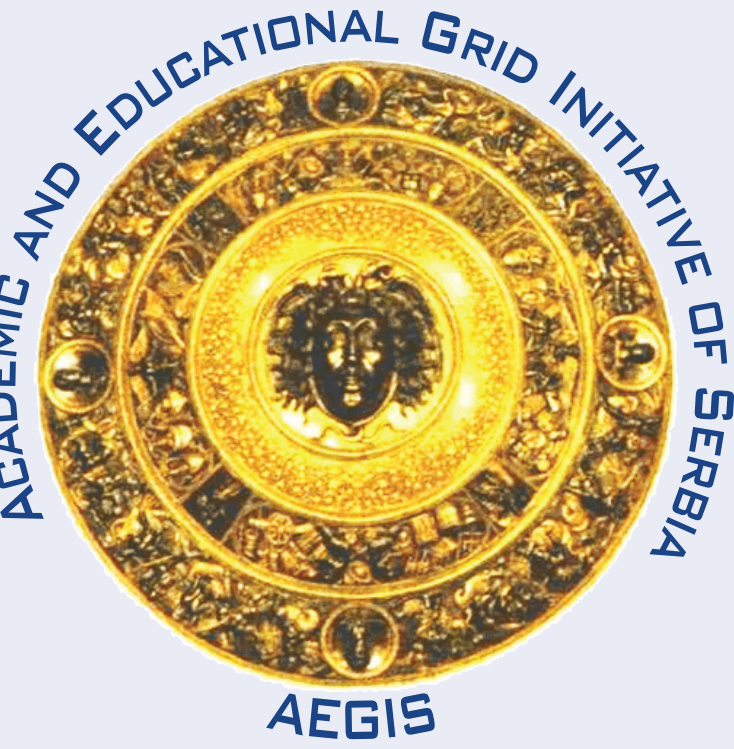
## Grid Information System Browser

**eGEE**  
Enabling Grids  
for E-science



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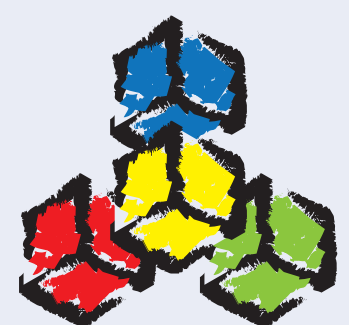


### Overview and Motivation

- Web-based Grid Information System visualization application
- Detailed overview of the status and availability of various Grid resources
- Queries and presents data obtained from gLite-based e-Infrastructure at different layers
  - Local resource information system (GRIS)
  - Grid site information system (site BDII)
  - Top-level information system (top-level BDII)
- Deployed by the SEE-GRID-SCI and AEGIS Grid e-Infrastructures

### Features

- Highly responsive tool
- Partial refreshes of a web page
  - When an interaction event fires - click on plus icon of LDAP tree - the server processes the information and returns a limited response specific to the data it receives - only LDAP's subtree that requires given condition
- Application is driven by events and data, whereas conventional web applications are driven by pages
- Asynchronization of a web page
  - Client can continue processing while the server does its processing in the background
  - User can continue interacting with the client without noticing a lag in the response
- Simple and advanced search
- Browse large directories
- Access multiple directories
- View all available attributes
- Customization according to your needs
- Works across all major browsers



**WatG Browser**

<http://watgbrowser.scl.rs:8080/>

Host	<input type="text" value="bdii.ipb.ac.rs"/>
Base	<input type="text" value="Mds-Vo-name=local,o=grid"/>
Filter	<input type="text" value="GlueSiteOtherInfo=EGEE_ROC=SEE"/>
Attributes	<input type="text"/>
<input type="button" value="Submit"/>	

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• **GlueSiteUniqueID=AEGIS01-IPB-SCL,Mds-Vo-name=AEGIS01-IPB-SCL,Mds-Vo-name=local,o=grid**

GlueForeignKey=GlueSiteUniqueID=AEGIS01-IPB-SCL  
GlueSchemaVersionMajor=1  
GlueSchemaVersionMinor=3  
GlueSiteDescription=Scientific Computing Laboratory, Institute of Physics Belgrade  
GlueSiteEmailContact=unset  
GlueSiteLatitude=44.8552  
GlueSiteLocation=Belgrade, Serbia  
GlueSiteLongitude=20.3910  
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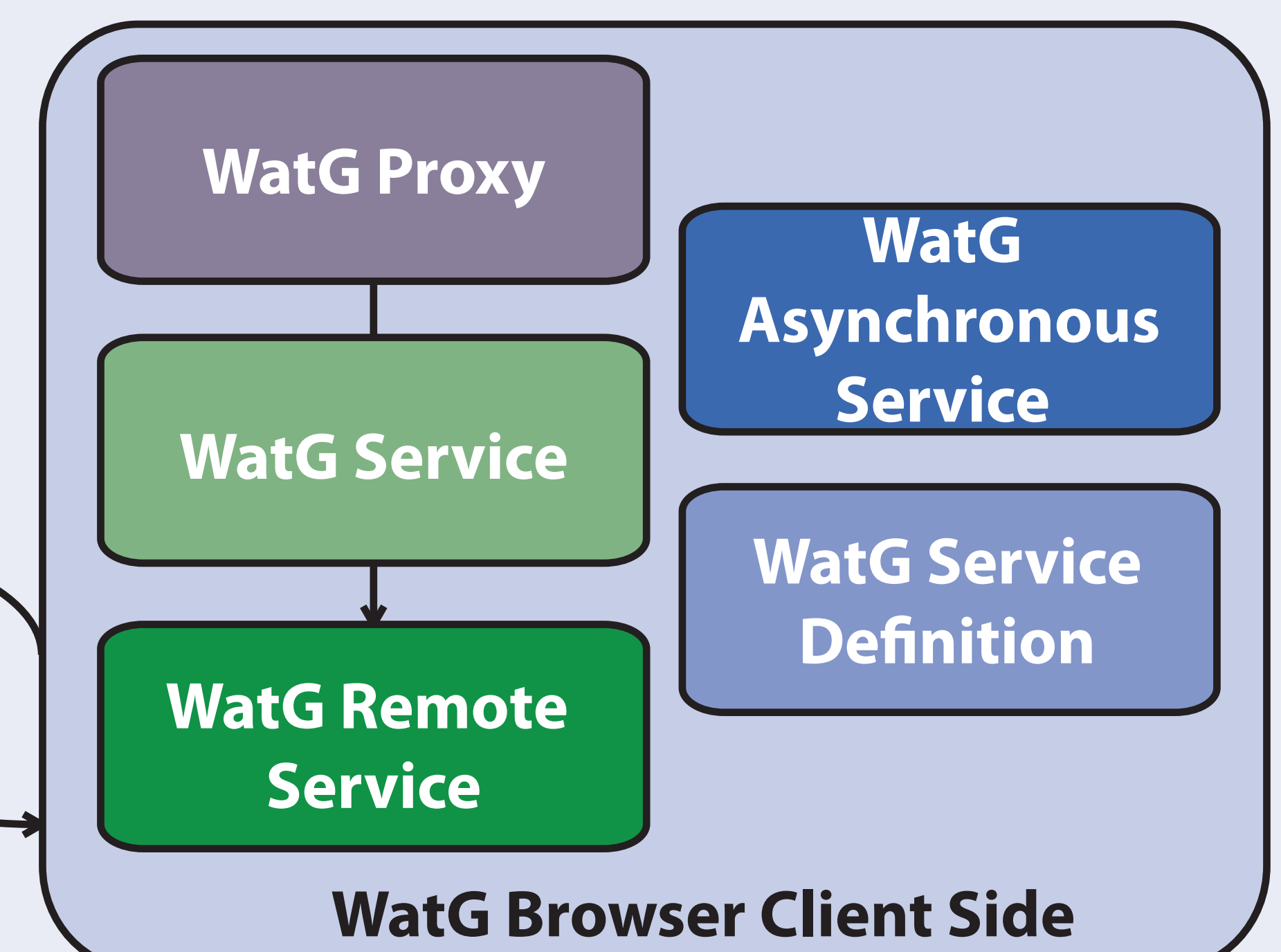
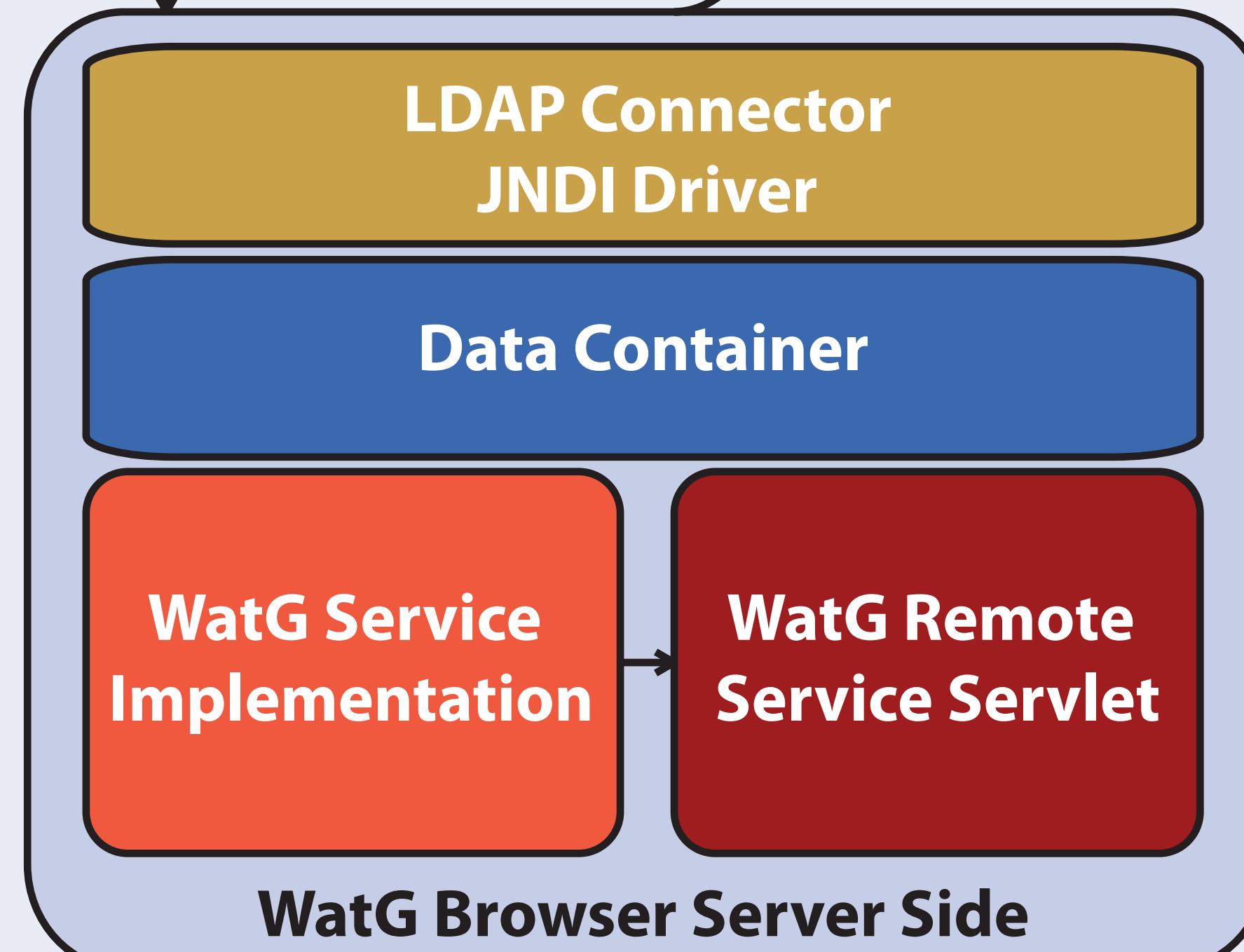
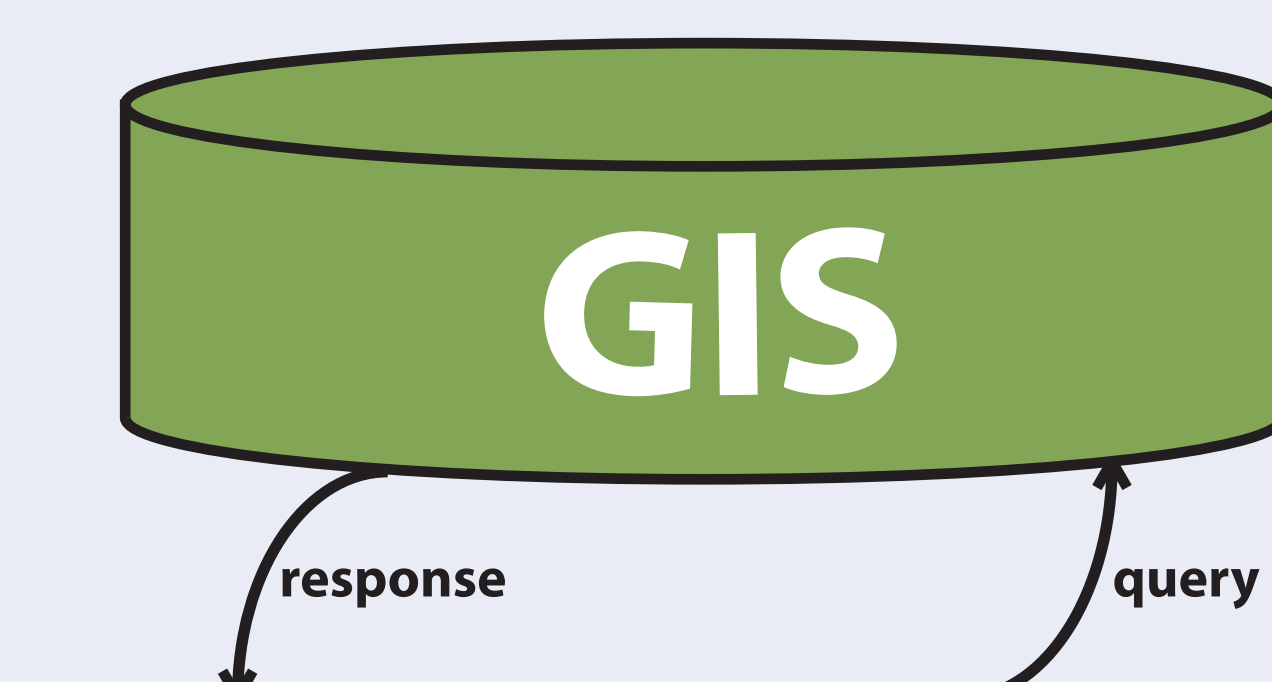
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### Implementation

- Java programming language
- Google Web Toolkit (GWT) cross-compiles into optimized JavaScript
- GWT Remote Procedure Call (RPC) mechanism for interacting with a server across a network
- Java Naming and Directory Interface (JNDI) LDAP extensions for Grid Information System interaction

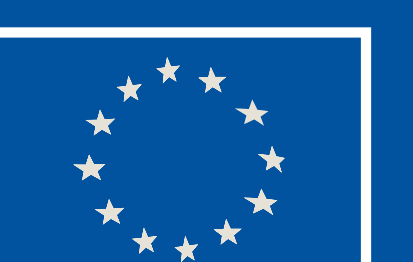
### Acknowledgements

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The EGEE project is building a Grid infrastructure for the scientific community. Grids are networks of computers spread across many sites but able to act together to provide a range of large scale facilities, from incredible processing power and mass storage to a platform for international collaboration.

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



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