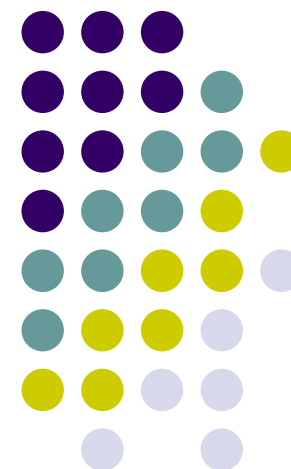


# GLUE Schema F2F Meeting Overview

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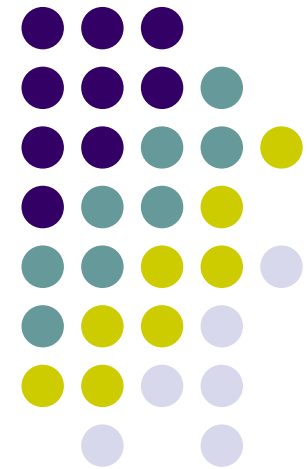
# OUTLINE

- Where we come from
- Where we are today
- Where we want to go



# Where we come from

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# GLUE Schema - origins

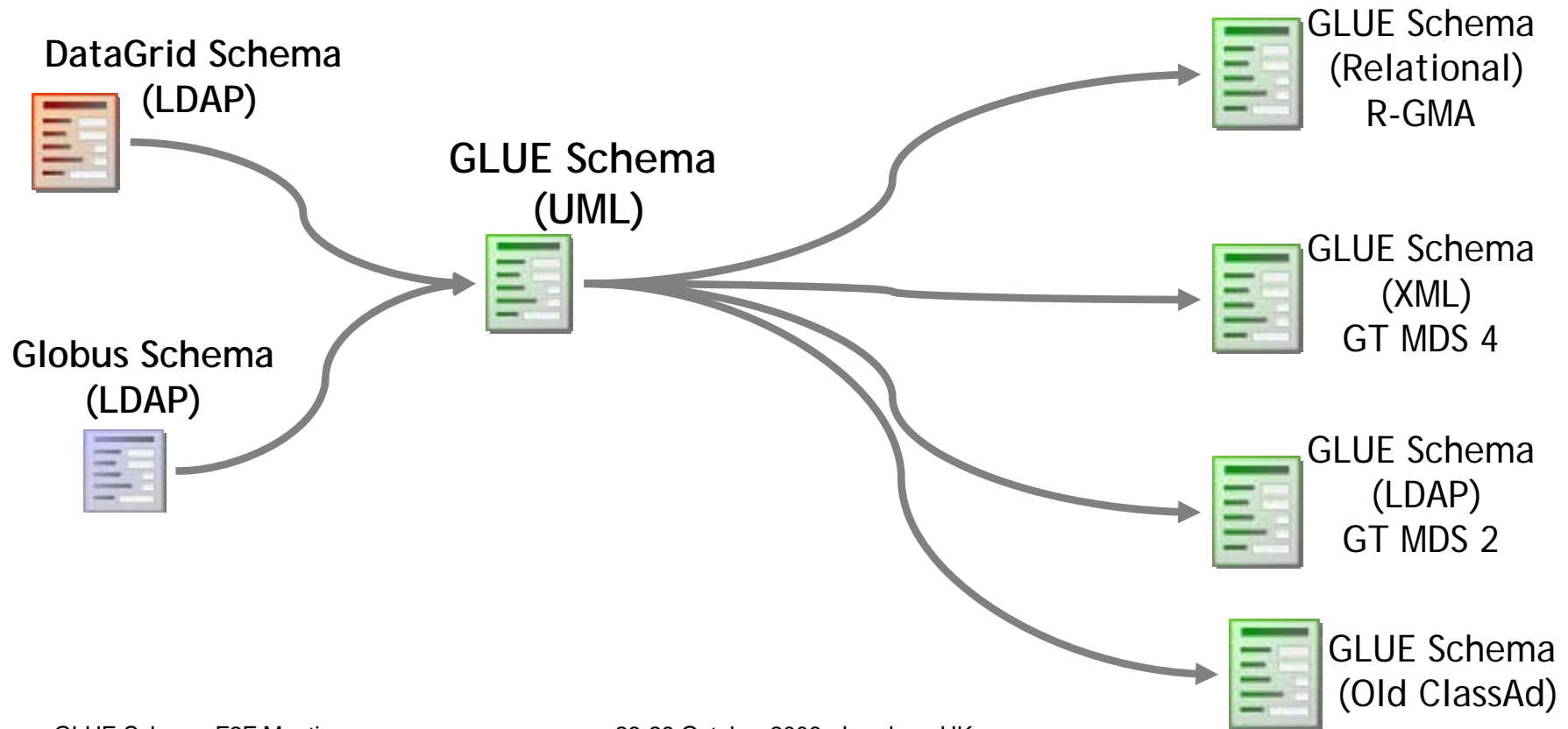
- GLUE: **G**rid **L**aboratory **U**niform **E**nvironment
  - collaboration effort focusing on interoperability between US and EU HEP Grid related projects
  - started in April 2002
  - promoted by DataTAG (EU) and iVDGL (US)
  
- **One of the tasks** of this collaboration was the definition of a **common schema for resource description** in the information service

# Grid Projects around the effort



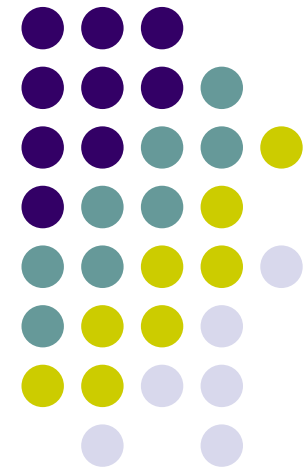
- Promoted by DataTAG (EU) and iVDGL (US)
- Initial contributions from DataGrid, Globus, PPDG and GriPhyn led to the definition of GLUE Schema 1.2
- Other projects joined (and are joining the effort)
  - APACGrid
  - NorduGrid
  - UNICORE
  - ...

# GLUE Schema - approach

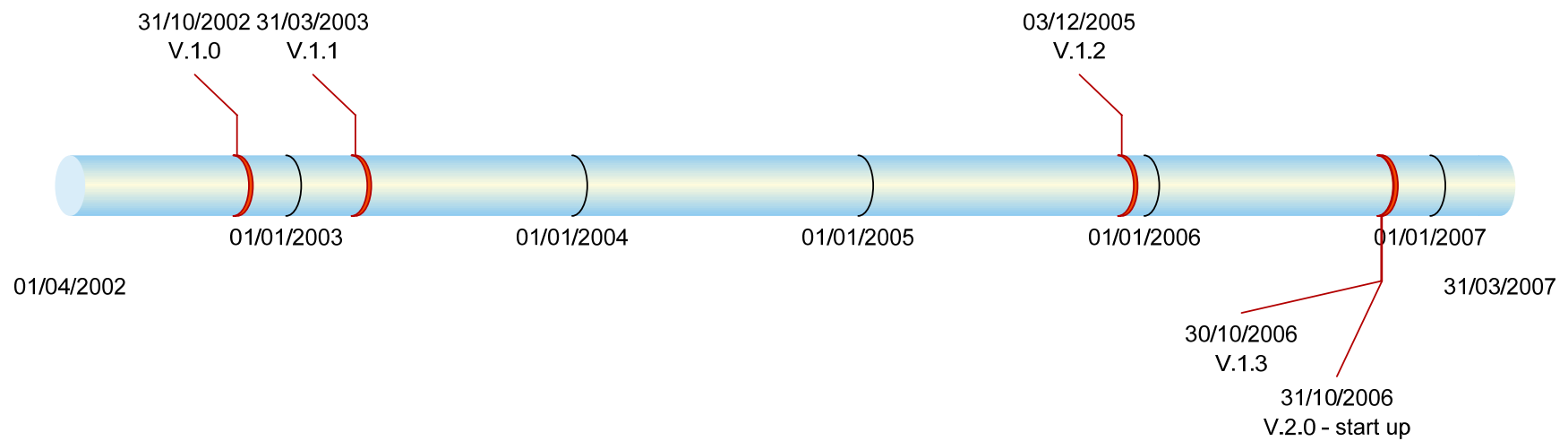
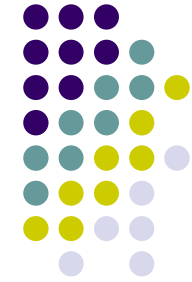


# Where we are today

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# Timeline







# Who Uses GLUE Schema

- EGEE and OSG Grids are successfully interoperating and key factor for this success has been a common schema
- Other Grid infrastructures are using the GLUE Schema
  - e.g.:
    - APACGrid
    - TeraGrid

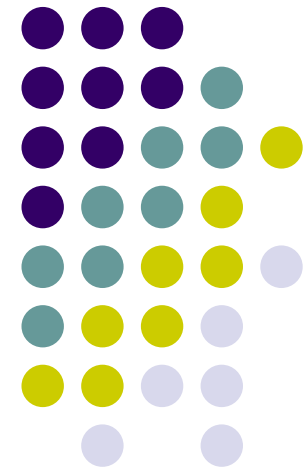


# Used for

- Resource Description in the Information Service
- Vocabulary to express requirements and preferences in the Job Submission request
- Basic Monitoring
- High-Level Management

# Where we want to go

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# General Comments



- GLUE Schema is a community-based effort
- For quite a long period (between 1.1 and 1.2), it has been difficult to evolve the schema due to the lack of community participation
- Since the last year, it has been gaining better momentum
  - more people willing to actively participate and contribute
- We have 4 years expertise with production Grids as regards aspects concerning information modeling of resources targeted at:
  - Resource selection
  - Monitoring
  - High-level management



# Aim of the Meeting – day 1

- Review and Approve/Reject all the request for changes for GLUE Schema v.1.3
- Assign tasks and deadlines for
  - new document specification writing
  - Reference implementation mapping
    - LDAP, Relational, XML Schema
- Define a Template for a Use Case document open to contributions from the different Grid projects



## Aim of the Meeting – day 2

- General overview of what each party expect from GLUE Schema 2
- Define goals and non goals
- Define a draft charter and group organization
- Identify good design principles and past mistakes to avoid
- Identify milestones

# CONCLUSION



- A common description of Grid resources is an essential building block for interoperable Grid infrastructures
- A synergy among our expertise can produce relevant advancement in this area
- It is our wish to engage other communities/Grid infrastructures in this activity in order to collectively evolve the schema and meet also their requirements

"Make everything as simple as possible, but not simpler"  
*A. Einstein*