



### GridWay: A metascheduler for Globus-based Grids

TG 07 Wisconsin June 7, 2007

Tino Vázquez Blanco Distributed Systems Architecture Group Universidad Complutense de Madrid











#### Contents

Architecture & Global View

the globus alliance

- In this demo...
- Deploying GridWay in Teragrid
- Scheduling Policies
- Globus GridWay for Teragrid...

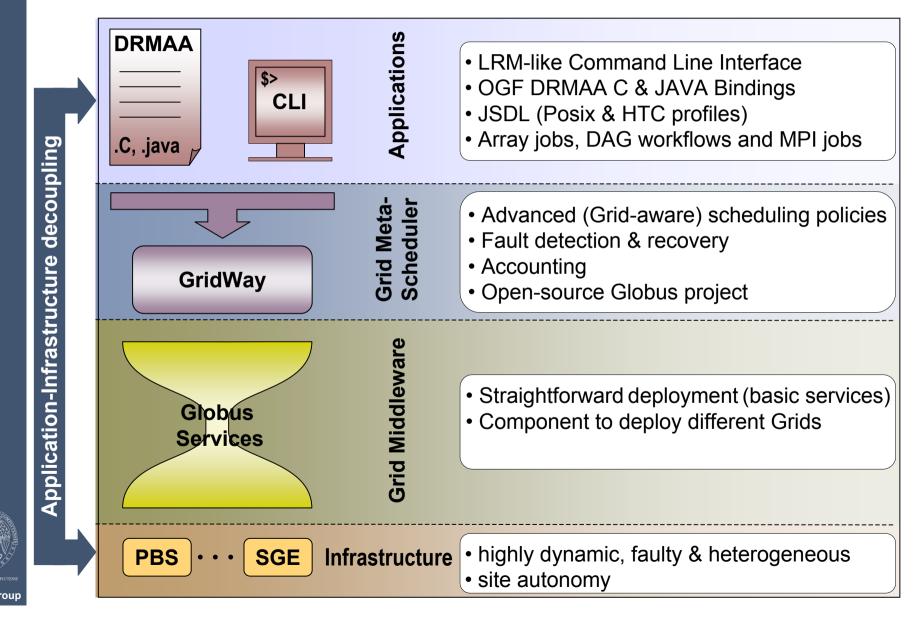




#### **Architecture & Global View**

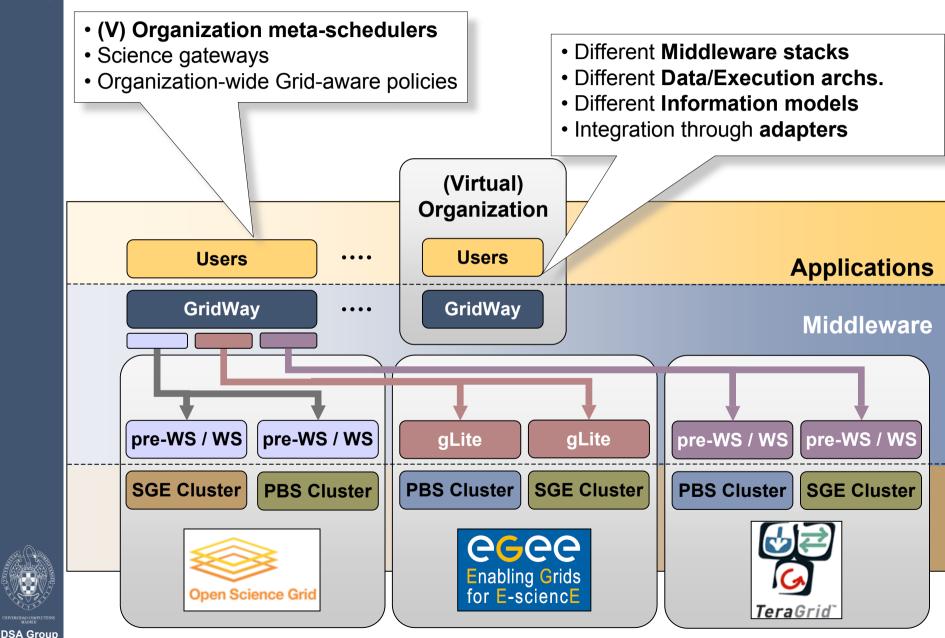
Globus GridWay meta-scheduler is a scheduler virtualization layer on top of Globus services (GRAM, MDS & GridFTP)

the globus alliance



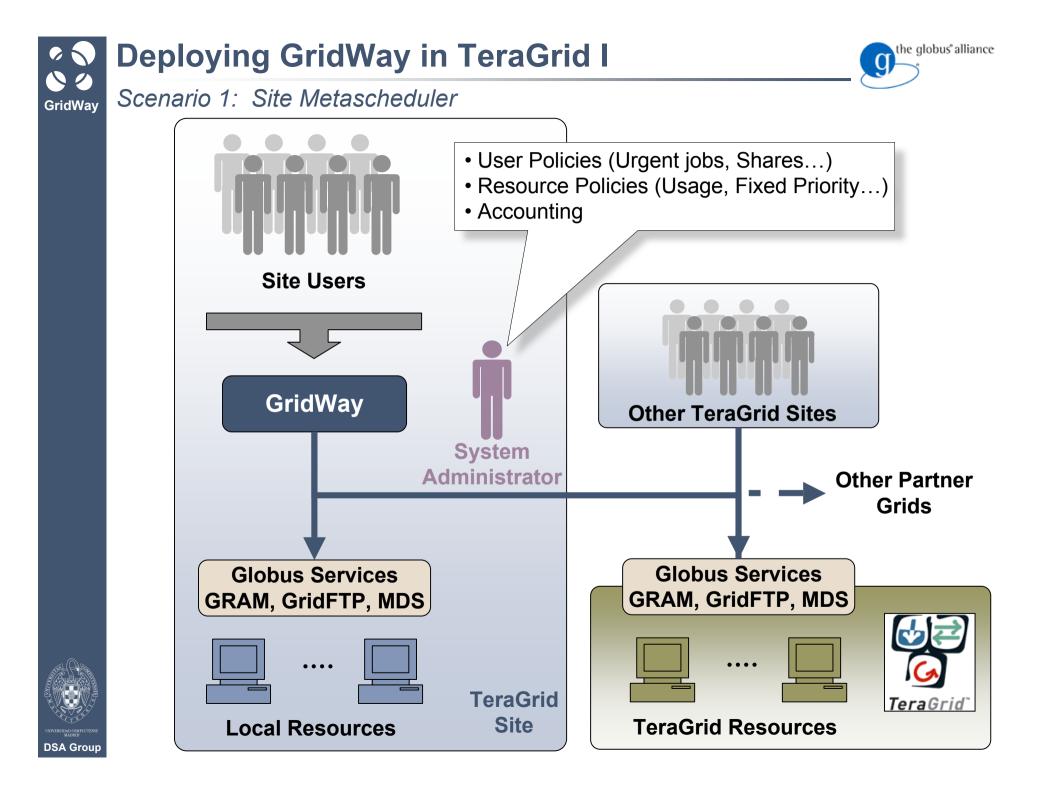


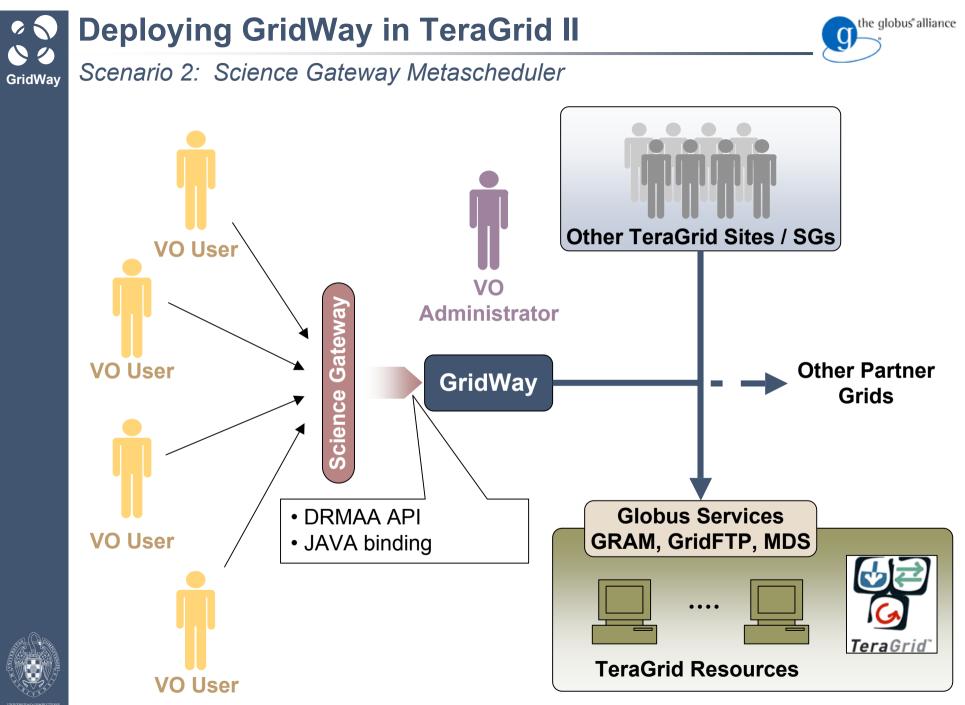
## In this demo...



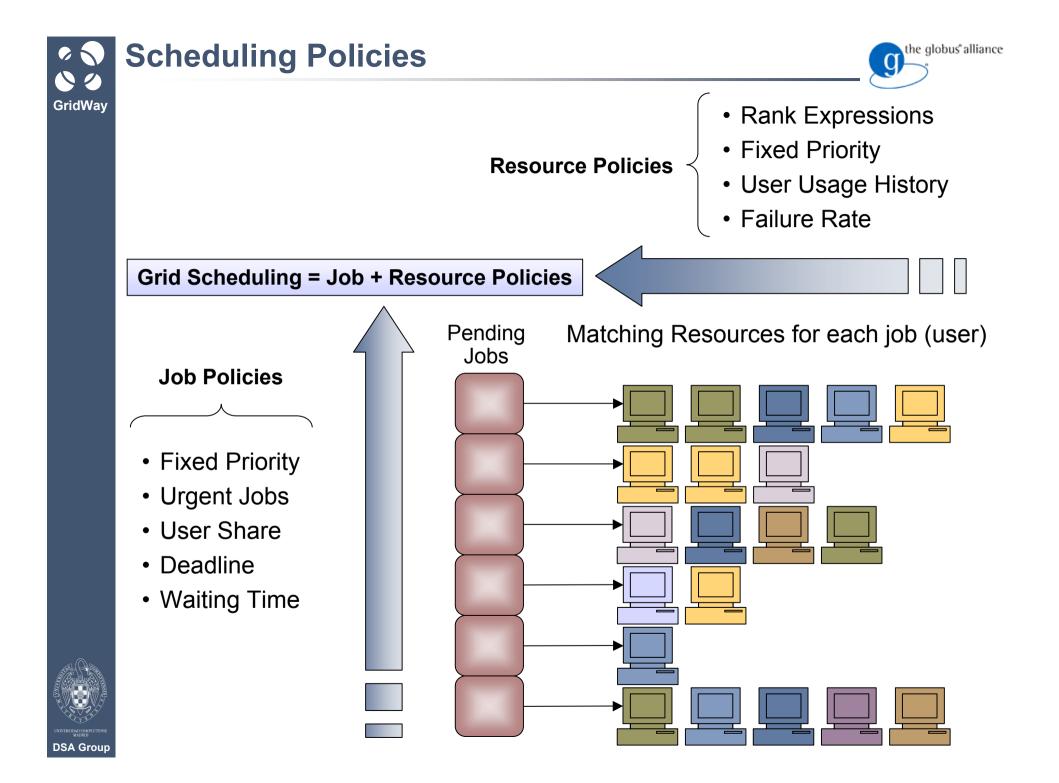
the globus alliance

g



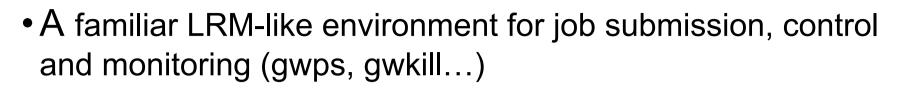


UNIVERSIDAD COMPLUTENSE MADRID





# Globus GridWay for Teragrid is ...



the globus<sup>®</sup> alliance

- A standard-based development framework for distributed applications (DRMAA, JSDL)
- An efficient and reliable job execution management system (designed to work with Globus services)
- A state-of-the-art policy-driven scheduler (share, fixed...)
- A modular component to interoperate different infrastructures (EGEE, TeraGrid, OSG, NorduGrid...)
- An Open-Source Community

