



**Tim Reynolds, SE Manager, Platform Computing UK.**

## Headquartered in Toronto

- Regional offices in North America (San Jose, Dallas, Detroit, Los Angeles, New York, Boston, Washington)
- Europe (Basingstoke, Ratingen, Paris)
- Asia (Tokyo, Beijing)
- Network of Resellers



COMPAQ

sgi



FUJITSU

HITACHI

NEC

SONY



## Customers demand standards-compliant products, solutions and services

- Avoid single-vendor lock-in
  - Proprietary implementations based on open standards
- Vendors guilty of over-promising and under-delivering
- Seed multi-vendor deliverables
  - framework for partner collaboration
- Demanding professionalism in software engineering
- Without standards base, customers focus on time-consuming integrations over product and service innovation

## Promote grid investment through standards-based solutions

- Without standards, grid computing won't live up to the promise of integrating propriety and incompatible protocols, interfaces and application environments
- Industry-accepted standards protect customers from risk of a adopting a new technology
- Collaborative context for partners to work together and for vendors to provide customers with interoperable solutions
- Provides solid foundation for future computing models like utility and on-demand

## Why is this important?

- Platform believes that industry standards are critical to wide-spread commercial Grid adoption

## OGSA

- Evolving out of the GGF, OGSA is a set of technical specifications that define a common framework that will allow businesses to build grids both across the enterprise, and with their business partners

## Extends Beyond Academic Computing

- It is expected that OGSA will define the standards required for both open source and commercial software for a broadly applicable and widely adopted global Grid infrastructure

## Platform Involvement

- Platform is committed to the development of OGSA and is actively participating with the GGF, the Globus Project, IBM and other partners in the standards process.

## Deriving Benefit from an Incomplete Standard

- OGSA is a work in progress.
- Today, vendors are complying with some of the more developed components of OGSA, such as OGSi
- OGSi-compliance is achieved by developing interfaces to products based on this specification, or through integration with OGSi-compliant solutions such as the Globus Toolkit™ 3.0 (GT3).
- OGSi is being rebuilt hence compliance requirements

### The Globus Toolkit

- GT3 is an open source software toolkit that addresses the key technical challenges in building grid tools, services and applications and the first implementation of OGSI

### The Community Scheduler Framework (CSF)

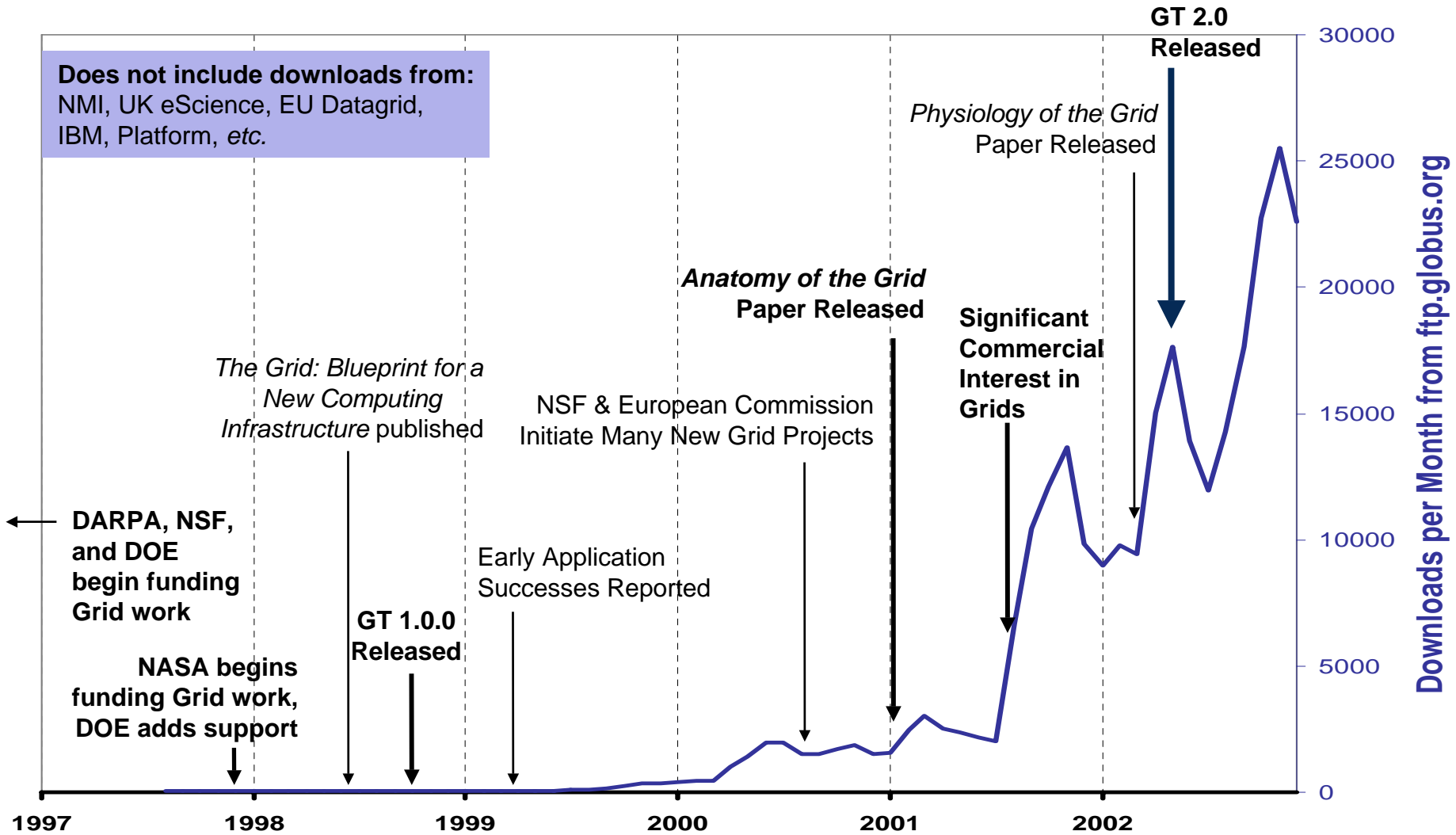
- CSF is open source meta-scheduler software developed by Platform and Globus
- CSF is the First implementation of OGSI-compliant specification called **Agreement-based Grid Service Management** developed by IBM, Globus & Platform



## The Toolkit is a “bag of services”

A set of useful components that can be used either independently or together to develop useful grid applications and programming tools.

- **The Globus Resource Allocation Manager (GRAM)** provides resource allocation and process creation, monitoring, and management services.
- **The Grid Security Infrastructure (GSI)** provides a single-sign-on, run-anywhere authentication service, with support for local control over access rights and mapping from global to local user identities.
- **The Monitoring and Discovery Service (MDS)** MDS provides a uniform framework for providing and accessing system configuration and status information such as compute server configuration, network status, or the locations of replicated datasets.



OGSi being rebuilt to incorporate web services

**Enter**



## Our Grid Standards Support

- We believe that industry standards are critical to Grid adoption and success
- Platform is committed to drive, support and develop standards and is actively participating with GGF, Globus, IBM and others
- We are working closely with the Globus Project and IBM to develop and enhance the OGSA standard
- Platform is a member of the steering committee for the Global Grid Forum
- Platform will offer Platform Globus 3 to correspond with GT3 launch and continue to support GT2
- Our solutions integrate with GT3 and comply with OGSA through Platform's open source meta-scheduler, the Community Scheduler Framework