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www.globus.org



# Incubator Update

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## Incubator Process in dev.globus

- Entry point for new Globus projects
- Incubator Management Project (IMP)
  - Oversees incubator process from first contact to becoming a Globus project
  - Quarterly reviews of current projects

[http://dev.globus.org/wiki/Incubator/Incubator\\_Process](http://dev.globus.org/wiki/Incubator/Incubator_Process)



## Candidate Proposal

- A proposed name for the project;
- A proposed project chair, with contact info;
- A list of the proposed committers for the project;
- An overview of the aims of the project;
- An overview of any current user base or user community, if applicable;
- An overview of how the project relates to other parts of Globus;
- A summary of why the project would enhance and benefit Globus.



## Acceptance of Proposal

- IMP meet, discuss, and accept project as an *Incubator Project (ProtoProject)*
- Decision made based on likelihood of openness NOT on technology
- Mentor is assigned
  - Member of IMP
  - Bridge between Globus and new Incubator project
- Infrastructure set up
  - wiki, mailing lists, bugzilla space, CVS/SVN, etc
- Opportunity to get up to speed on Globus Development process



## Many Projects Have Infrastructure Already

- Trying to define a “separate but equal” policy for infrastructure
- Important to have our “interface” so there’s a common way to contact projects
  - Mailing list structure
  - Wiki page with common info, etc
- Need to balance this with minimal overhead/hassle at moving over
- Eg – CVS/SVN
  - A different repository that has anonymous access and email updates, and that you can grant accounts to is fine
  - Need to do nightly updates to common Globus repository (read only access for this one is fine)



# Incubator Process

- Quarterly reviews outcomes:
  - Stay an Incubator
  - Retire
  - Hibernate
  - Escalate to a full Globus project
- Escalation when Incubator Project passes checklist
  - Legal
  - Meritocracy
  - Alignment/Synergy
  - Infrastructure



## Successes

- Started 1 year ago with some of the old technology preview projects, and some adventuresome new folks
- One project has made it all the way through
  - GridWay MetaScheduler
- Twenty projects are in flight
- Currently growing at about one a month, hope to escalate 2-3 more at next review time



## “Learning Experiences”

- 6 projects rejected at candidate phase
  - Lack of other project members (2 projects)
  - Large project should be broken into pieces (accepted as 3 separate projects)
  - Lack of existing code (Apache rule)
  - Lack of obvious openness (accepted later)
  - Off topic (project wiki would fulfill needs)
- Two projects hibernated
  - Lack of any progress in over 6 months
  - Status will be checked in 1 year, if no further interest will be retired



# Current Incubator Projects

## <http://dev.globus.org>

- Distributed Data Management (DDM)
- Dynamic Accounts
- Gavia-Meta Scheduler
- Gavia- Job Submission Client
- Grid Authentication and Authorization with Reliably Distributed Services (GAARDS)
- Grid Development Tools for Eclipse (GDTE)
- GridShib
- Higher Order Component Service Architecture (HOC-SA)
- Introduce
- Local Resource Manager Adaptors (LRMA)
- Metrics
- MEDICUS
- Open GRid OCSP (Online Certificate Status Protocol)
- Portal-based User Registration Service (PURSe)
- ServMark
- SJTU GridFTP GUI Client (SGGC)
- UCLA Grid Portal Software (UGP)
- WEEP
- Cog Workflow
- Virtual Workspaces



# Globus Software: dev.globus.org

## Globus Projects

MPICH G2

GridWay

Incubation  
Mgmt

Java  
Runtime

C  
Runtime

Python  
Runtime

Delegation

CAS

C Sec

MyProxy

GSI-  
OpenSSH

GRAM

OGSA-DAI

Data  
Rep

GridFTP

Reliable  
File  
Transfer

### GT4

Replica  
Location

MDS4

GT4 Docs

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GAARDS

MEDICUS

Cog WF

Virt WkSp

GDTE

GridShib

OGRO

UGP

Dyn Acct

Gavia JSC

DDM

Metrics

Introduce

PURSE

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LRMA

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Gavia MS

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Common  
Runtime

Security

Execution  
Mgmt

Data Mgmt

Info  
Services

Other



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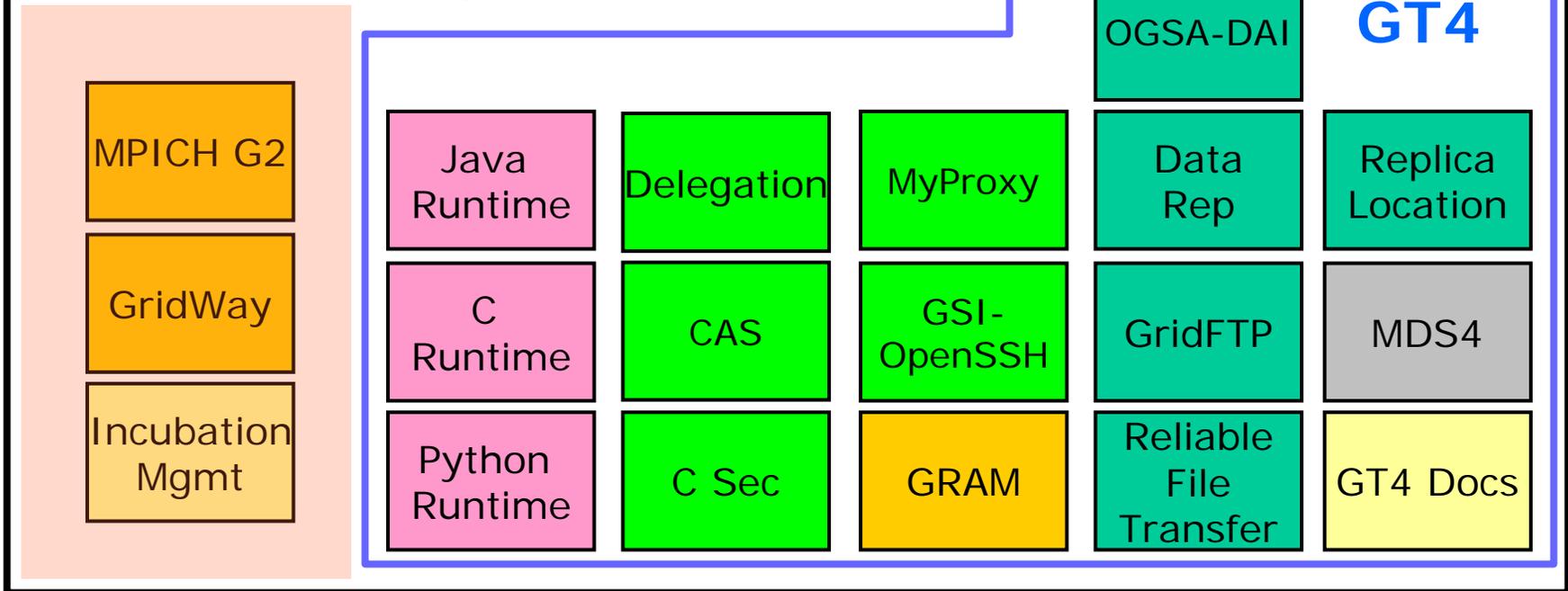
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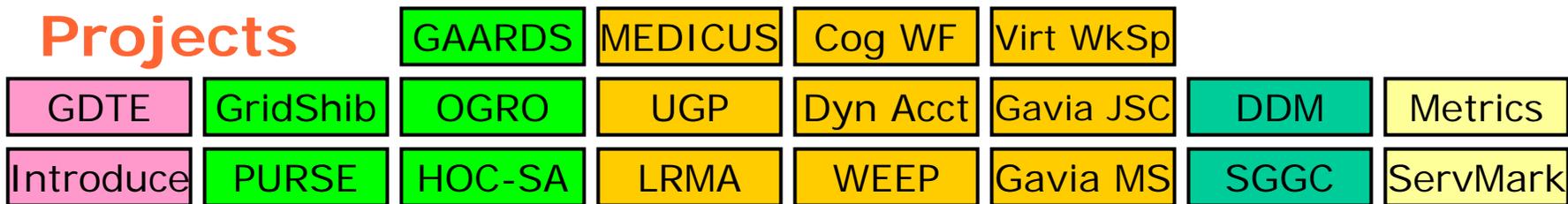
Other



# Globus Projects



## Incubator Projects





## NOTE!

- GT4 is no longer synonymous with all full Globus Project



## Thanks To:

- IMP Committers
  - Charles Bacon
  - Ann Chervenak
  - Lisa Childers
  - Neil Chue Hong
  - Ian Foster
  - Jen Schopf  
(chair)
- Infrastructure Support
  - Charles Bacon
  - Cris Williams
- Apache Jakarta,  
for their process