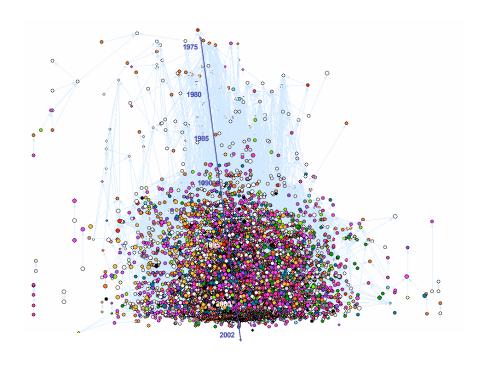# Grid Colombia Workshop with OSG

Rob Gardner

University of Chicago

October 20, 2009

Our Goal

- Fun, exciting, important research
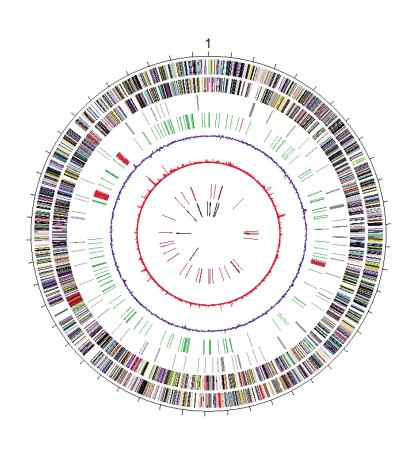

A citation network topology, J.Evans UChicago

miscelaneous
transcription factors / morphogens
receptors
phosphosphorylation cascades
organogenesis
terpines, synthesis
physical defense
commercial disease resistance
innate immunology
nutrient metabolism and movement
nutrient uptake
genomics
photosynthesis
functional enzymatics
protein isolation & characterization
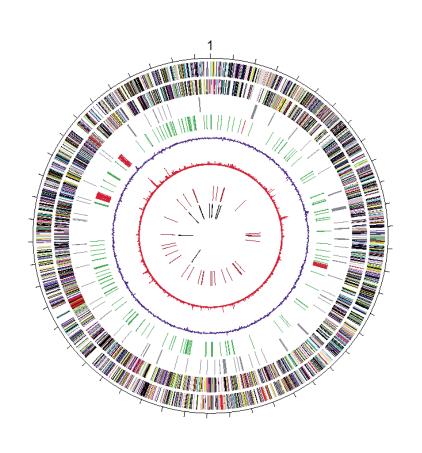targeting / splicing
tropisms

GRID
Colombia

..using whatever technologies we can

- What is a Grid and why should you care to use one? (from a user's perspective)

- What is a Grid and why should you care to join/build one? (from a resource provider's perspective)

GRID
Colombia

3

..using whatever technologies we can

- What is a Grid and why should you care to use one? (WEEK 1)

- What is a Grid and why should you care to join/build one? (WEEK 2)

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OSG people you'll meet at the workshop

- ## Jose Caballero (weeks 1 & 2)
  - OSG outreach coordinator for Latin America
- ## Rob Gardner (week 2)
  - OSG Integration and Sites coordinator
- ## Infrastructure (weeks 1 & 2, online)
  - Suchandra Thapa – OSG Integration Testbed
  - Marco Mambelli – Software tools and OSG Sites
- ## The OSG community (mostly week 1, & …)
  - Contributed technical presentations

OSG: Virtual Organizations (VO)

- Virtual Organizations are communities of researchers with shared interests and resources

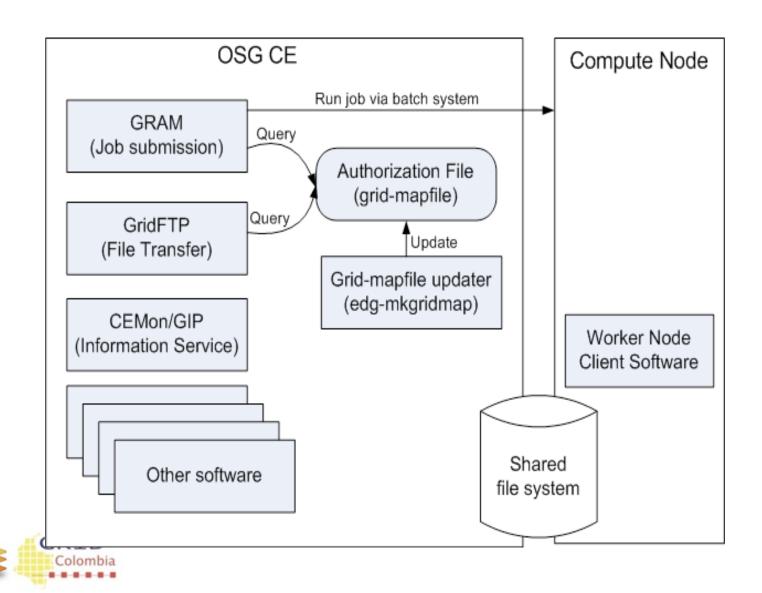- There are 30 VOs in OSG spanning scientific, regional, campus, international and education domains

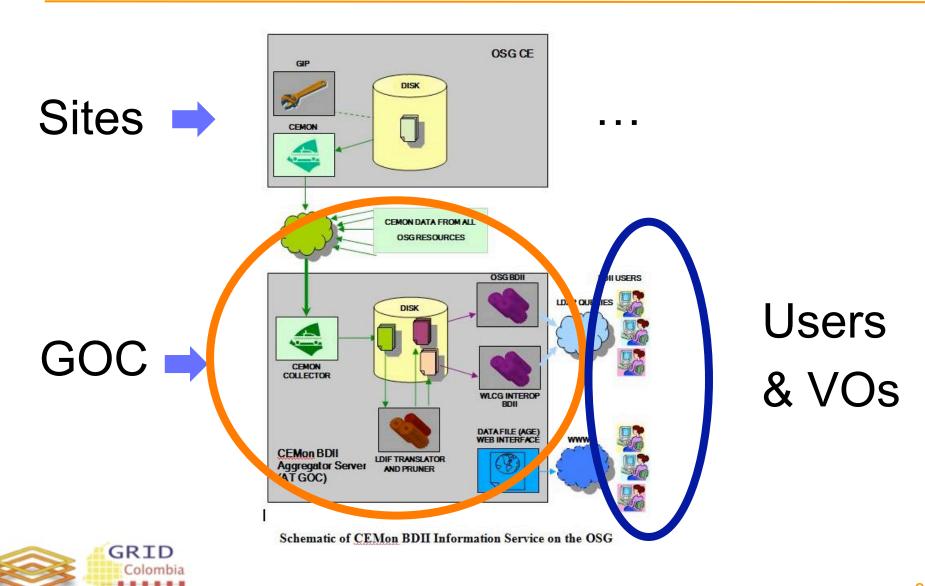- There are specific "OSG owned VOs" to accommodate individual users
  - (OSGEDU)

The OSG: sites

Sites, Central Services & Users

Schematic of CEMon BDII Information Service on the OSG

Launching a Grid Colombia

- Phase I:
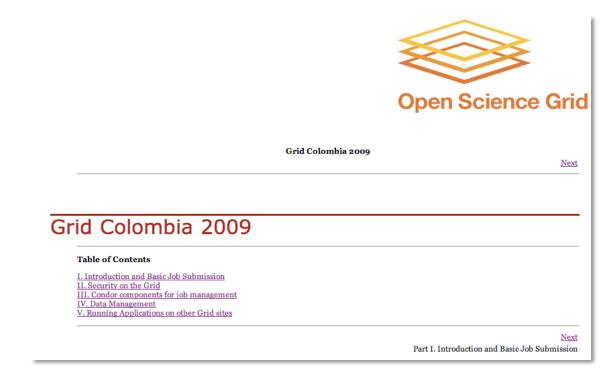 - preparations in advance of the in-person workshop
- Phase II:
  - workshop on scientific computing on Grids and Grid prototype building (that's this workshop!)
  - Development of a program of work
- Phase III:
  - deployment of production facilities across multiple sites in Colombia

GRID
Colombia

First Week (This week)

- Focus is on scientific computing on grids
- Will have a practical, hands-on component for users

Second Week

- Focus on building a prototype Grid Colombia

- Will divide into teams:
  - Site builders
    - Build a small cluster with Condor, an OSG compute element, storage element (GridFTP), worker nodes, a grid user management system
  - GOC team
    - Install, configure, validate central "goc"-like services such as an information system

Workshop Email List

- Workshop mailing list
  - gridco-ws09@opensciencegrid.org
  - Email listserv@opensciencegrid.org with
    ```
    subscribe gridco-ws09 Firstname Lastname
    ```
    in the message body (no subject needed)
    - Make sure to send from your preferred account
  - Or just send an email to me (rwg@uchicago.edu) with:
    ```
    myname@domain Firstname Lastname
    ```

Workshop Web Resources

- Main agenda

http://indico.fnal.gov/conferenceDisplay.py?confId=2832

  - Has Adobe Connect URL and links for help

- Organizational wiki

https://twiki.grid.iu.edu/bin/view/Education/GridColombiaWorkshop

- Technical references (mostly for second week)

https://twiki.grid.iu.edu/bin/view/ReleaseDocumentation/GridColombiaWorkshop2009

Community Resources

- Facebook OSG group
  - http://www.facebook.com/group.php?gid=34781824321
  - Its not very active, but feel free to join
  - Or friend me,
    http://www.facebook.com/robert.w.gardner

- Campfire Chat
  - https://twiki.grid.iu.edu/bin/view/SiteCoordination/ChatCalendar

- No OSG twittering just yet that I'm aware
  - I'm at http://twitter.com/rwg but there's not much to follow.. ☹

Thanks!