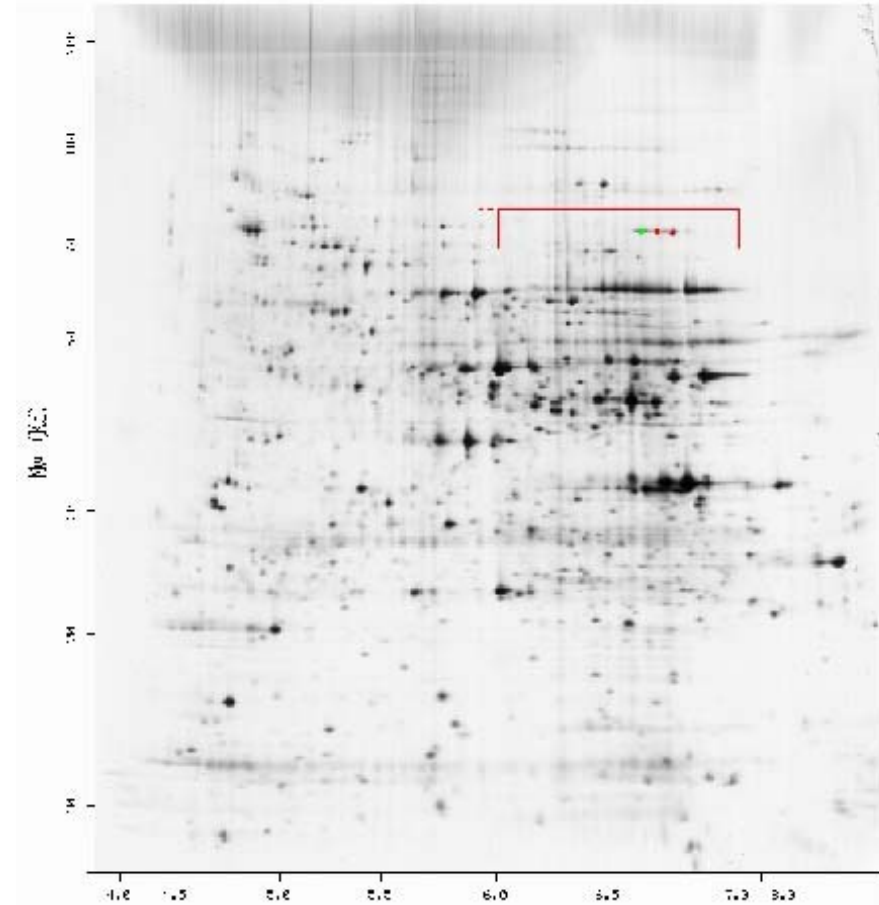


Life Sciences Grid Research Group

Dave Angulo
DePaul University

Abbas Farazdel
IBM Healthcare and Life Sciences



GGF Intellectual Property Notice

Attending this GGF14 session means that:

- **You have read and understood the GGF Intellectual Property (IP) Policy and**
- **You acknowledge that participation in GGF is subject to the GGF IP Policy.**

You have already signed for the above
when you registered for GGF14

Secretaries

- Need 2 secretaries present and taking notes

Leaders

- **Research Group Chairs:**
 - Dave Angulo, DePaul University
 - Abbas Farazdel, IBM Healthcare and Life
- **Special Recognition to:**
 - Peter Arzberger, SDSC
- **Secretaries:**
 - Larry Ang, BioInformatic Institute
 - Piotr Bala, N. Copernicus University
- **LSG Advisory Council (TBD)**
- **LSG Community**

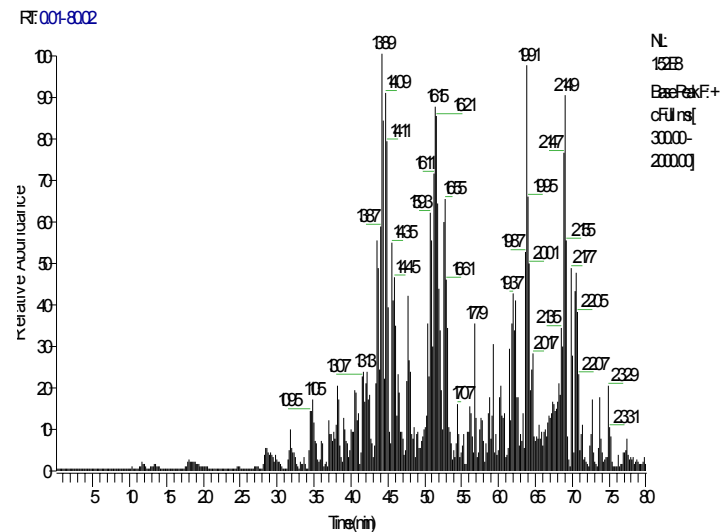


Example Project (Updates at Gridforge.org)

- **Worldwide LS grids Survey Subcommittee Leaders:**
 - Mark Miller, SDSC Integrative Biology Program
 - Karpjoo Jeong, Kookmin University, Seoul
 - Vincent Breton, PCSV Group
- **Open LSG Architecture Subcommittee Leader:**
 - Rick Stevens (interim), Argonne
- **Workflows Subcommittee Leaders:**
 - Carole Goble, University of Manchester
 - Virinder Batra, IBM
- **LS Solutions (Medical Informatics) Subcommittee Leaders:**
 - Vincent Breton, PCSV Group
- **Requirements Document**
 - Vincent Breton, PCSV Group
- **Workshop GGF Deliverables:**
 - John Ibbotson, IBM UK

Open Positions

- **Requirements Document Subcommittee Leader:**
Open
- **LS Solutions (Discovery) Subcommittee Leader:**
Open
- **LS Solutions (Medical Imaging) Subcommittee Leader:**
Open
- **Best/Common Practices in Healthcare and LS Subcommittee Leader:**
Open

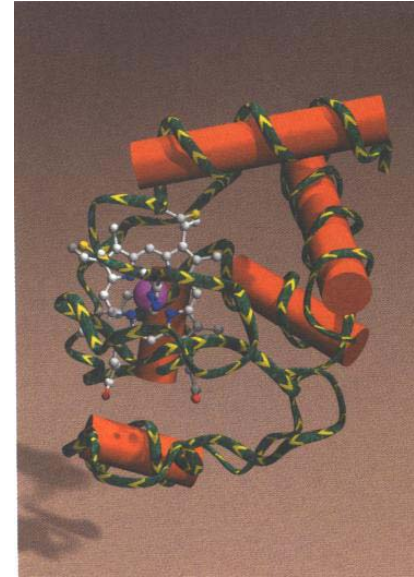


Life Science Grid – Research Group

- Explores issues related to the integration of Information Technology with the Life Sciences on a grid infrastructure.
- Works at the interface of two revolutionary areas: biology and information technology.
- Throughout 2005, LSG will be exploring privacy and security needs of the health care industry.
 - Focus question:
 - Whether GGF is developing enough middleware tools so that users of grid technology in this industry are able to comply with many required security and privacy guidelines and policies.
- Deliverable of the workshop:
 - An Informational Document addressing the issues of security and privacy in healthcare industry and how it relates or challenges GGF.

Security Groups Interaction/Coordination

- Allen Luniewski & Dave Berry
 - Co-Chairs OGSA Data WG
- Andrew Simpson
 - Oxford
 - Developing secure, interoperable frameworks to facilitate aggregation of clinical data from disparate sources.
- Peter Kunszt
 - European EGEE Project
 - Grid Storage Resource Management WG
 - Already have a good set of requirements and detailed design
 - Have discussed
 - How EGEE may profit from the grid
 - What EGEE would need in terms of security to be acceptable
 - How EGEE deals with biomed requirements
 - See <https://edms.cern.ch/file/594698/0.1/architecture.pdf>
 - chapters 5 and 9.5



Special Issue

- Konagaya Akihiko, Riken, Japan.

GGF 15

- Partnering with IDG to form GridWorld
 - Once per year
- Boston, Massachusetts
- October 3-6

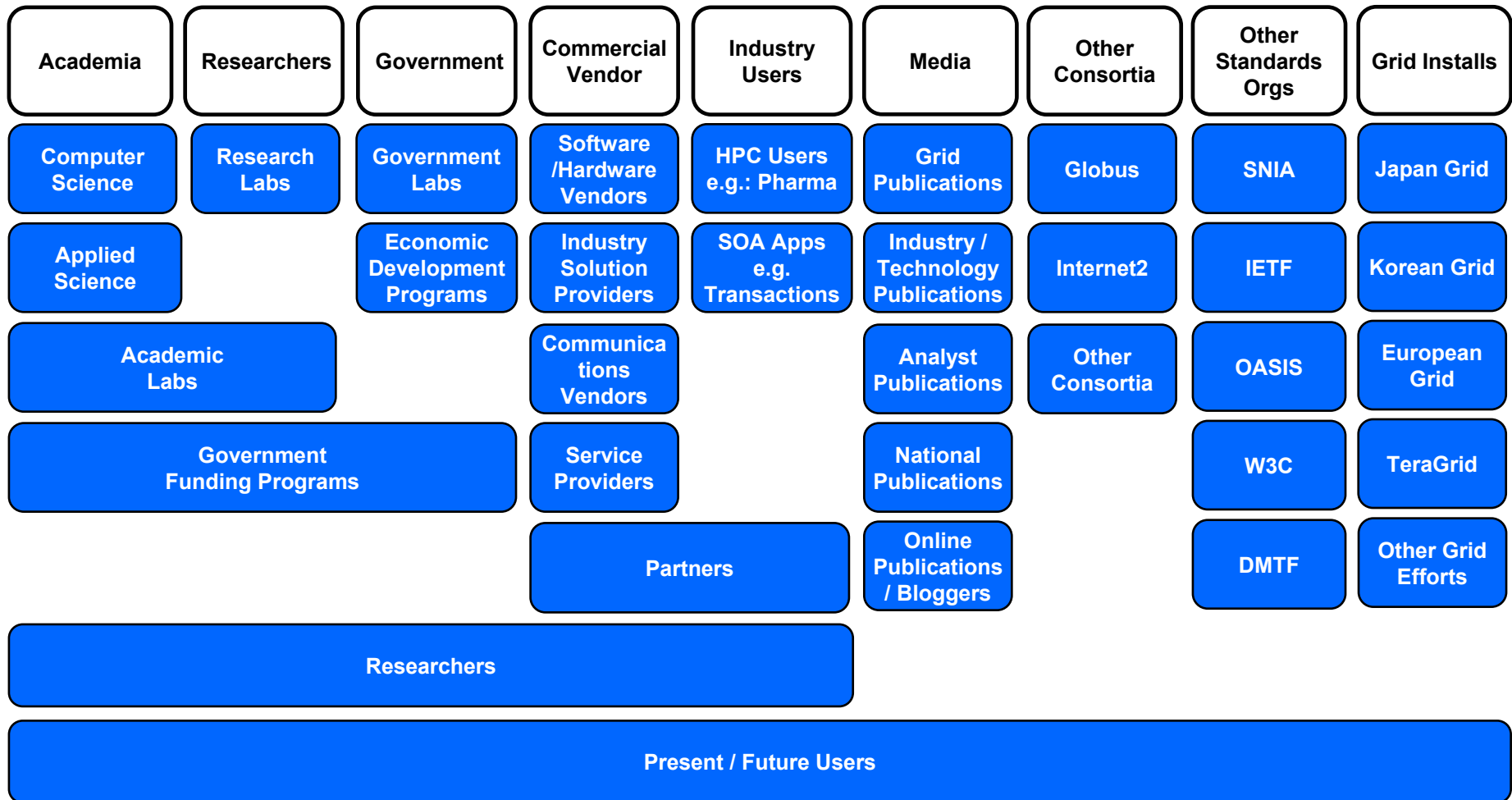
Mission: Healthcare & Life Sciences (HC&LS)

- 1) Identify different solution areas and classify them
- 2) Explore possible reference architectures for each solution area
- 3) Identify clear examples and the diverse use of the grid within HC&LS
- 4) Discuss issues of access to data within HC&LS
- 5) Discuss state of standards, within subdisciplines and between subdisciplines
- 6) Identify how the grid is being challenged by HC&LS, and where there is need for activity
- 7) Identify linkages to other research and working groups



Complex ecosystem associated with GGF

GGF Ecosystem



KEY

HPC = High Performance Computing

SOA = Services Oriented Architecture

Please interrupt!!

Participate

Let's make the talks interactive and lively

Agenda

- 9:00 AM – 9:15 **Introduction (Angulo/Farazdel)**
- 9:15 – 9:30 Healthgrid Conference Conclusions. Vincent Breton
- **Health Grids Workshop Presentations**
 - 9:30 AM – 10:00 Tyrone W A Grandison, IBM Almaden Research **“Data Disclosure Technology for the Grid”**
 - 10:00 AM – 10:20 Todd Hart, Illinois Health Network. **“Illinois Health Network”**
 - 10:20 AM – 10:40 Barrett Myers, Talisen Technologies **“Illinois Health Network”**
 - 10:40 AM – 11:00 Break
 - 11:00 AM – 11:30 Stephen A. Langella Ohio State University , Department of Biomedical Informatics **“caGrid Security Architecture”**
 - 11:30 AM – 12:00 Stuart Johnstone Precident/CEO CompassCase **“HIPAA- Where Atomic Data Collides With Distributed DNA”**
 - Roundtable, Q&A, Discussion