

# **HealthGrid conference 2010**

Monday 28 June 2010 - Friday 02 July 2010

University Paris XI - Laboratoire de l'Accélérateur Linéaire

## **Recueil des résumés**



# Contents

A Survey of Grid Knowledge and Grid Perception in Public Administrations . . . . .	1
BILS_Sweden . . . . .	1
CAPS sponsor talk . . . . .	1
CHOIS: Enabling grid technologies for obesity surveillance and control . . . . .	1
Discussion . . . . .	1
Dutch user community and NGI . . . . .	1
Dutch user community and NGI . . . . .	1
Décryphon Grid - Grid Resources Dedicated to Neuromuscular Disorders . . . . .	2
FKPPL and Rhône-Alpes Virtual Organizations . . . . .	2
Finnish NGI / Nordic use community . . . . .	2
French user community . . . . .	2
German user group(s) (TBC) . . . . .	2
German user group(s) (TBC) . . . . .	2
German user group(s) (TBC) . . . . .	2
German user group(s) (TBC) . . . . .	2
Grid Heterogeneity in In-silico Experiments: An Exploration of Drug Screening Using DOCK on Cloud Environments . . . . .	3
Grid based Evaluation of a Liver Segmentation Method for Contrast Enhanced Abdominal MRI . . . . .	3
Grid-based International Network for Flu Observation (g-INFO) . . . . .	3
Grid-wide neuroimaging data federation in the context of the NeuroLOG project . . . . .	3
Hitting the Ground Running: Healthgrid deployment and adoption . . . . .	3
Integrating TRENCADIS Components in gLite to Share DICOM Medical Images and Structured Reports . . . . .	3
Introduction, goal of the workshop . . . . .	4

Italian Life-Sciences initiative . . . . .	4
LIBI Italian project . . . . .	4
LIFEWATCH . . . . .	4
Mean-Shift scale parameters optimization on the EGEE grid . . . . .	4
NHRE, Greece . . . . .	4
NHRE, Greece . . . . .	5
On Transferring the Grid Technology to the Biomedical Community . . . . .	5
Oral contribution n°13 . . . . .	5
Oral contribution n°14 . . . . .	5
Oral contributions selected through call for papers . . . . .	5
Phylogenetic Code in the Cloud – Can it Meet the Expectations? . . . . .	5
Presentation of the OutGrid project . . . . .	5
Privacy aware access controls for medical data disclosure on European HealthGrids . . . . .	5
Programming distributed medical applications with XWCH2 . . . . .	6
Putting a Heart into a Box: GPGPU simulation of a Cardiac Model on the Xbox 360 . . . . .	6
Research Traceability using Provenance Services for Biomedical Analysis . . . . .	6
Sentinel e-health network on grid: developments and challenges . . . . .	6
Short contributions . . . . .	7
Spanish user community . . . . .	7
Swiss Grid community (Swiss National Grid Association (SwiNG), and Swiss Institute of Bioinformatics) . . . . .	7
Title to be confirmed . . . . .	7
Title to be confirmed . . . . .	7
Title to be confirmed . . . . .	7
Unconference . . . . .	8
Using Graphics Processors to Accelerate Protein Docking Calculations . . . . .	8
Visualization, Analysis, and Design of COMBO-FISH Probes in the Grid-Based GLOBE 3D Genome Platform . . . . .	8
Web service catalogue for Biomedical GRID infrastructure . . . . .	8
Workshop: outGRID project Workshop . . . . .	8





**Accessibility and socio-economic aspects / 22**

## **A Survey of Grid Knowledge and Grid Perception in Public Administrations**

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**Workshop / 48**

## **BILS\_Sweden**

**Auteur(s) contact:** erikbong@mac.com

**Future of grids / 29**

## **CAPS sponsor talk**

**Auteur(s) contact:** stephane.bihan@caps-entreprise.com

**Applications / 12**

## **CHOIS: Enabling grid technologies for obesity surveillance and control**

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**Workshop / 49**

## **Discussion**

42

## **Dutch user community and NGI**

**Workshop / 41**

## **Dutch user community and NGI**

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**Accessibility and socio-economic aspects / 26**

## **Décryphon Grid - Grid Resources Dedicated to Neuromuscular Disorders**

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**Workshop / 45**

## **FKPPL and Rhône-Alpes Virtual Organizations**

**Workshop / 33**

## **Finnish NGI / Nordic use community**

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**Workshop / 43**

## **French user community**

**Workshop / 40**

## **German user group(s) (TBC)**

**Auteur(s) contact:** dagmar.krefting@charite.de

**38**

## **German user group(s) (TBC)**

**39**

## **German user group(s) (TBC)**

**37**



## **German user group(s) (TBC)**

**Auteur(s) contact:** dagmar.krefting@charite.de

**Applications / 11**

## **Grid Heterogeneity in In-silico Experiments: An Exploration of Drug Screening Using DOCK on Cloud Environments**

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**Applications / 9**

## **Grid based Evaluation of a Liver Segmentation Method for Contrast Enhanced Abdominal MRI**

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**Applications / 8**

## **Grid-based International Network for Flu Observation (g-INFO)**

**Core technologies and data integration / 18**

## **Grid-wide neuroimaging data federation in the context of the NeuroLOG project**

**Auteur(s) contact:** alban.gaignard@i3s.unice.fr

**Accessibility and socio-economic aspects / 27**

## **Hitting the Ground Running: Healthgrid deployment and adoption**

**Auteur(s) contact:** s.d.olabarriaga@amc.uva.nl

**Core technologies and data integration / 16**

## **Integrating TRENCADIS Components in gLite to Share DICOM Medical Images and Structured Reports**

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**Workshop / 32**

## **Introduction, goal of the workshop**

**Workshop / 50**

## **Italian Life-Sciences initiative**

**Auteur(s) contact:** marco.verlato@pd.infn.it

**Workshop / 46**

## **LIBI Italian project**

**Auteur(s) contact:** guido.cuscela@ba.infn.it

**Workshop / 51**

## **LIFEWATCH**

**Auteur(s) contact:** w.los@uva.nl

**Applications / 13**

## **Mean-Shift scale parameters optimization on the EGEE grid**

**Auteur(s) contact:** ting.li@creatis.insa-lyon.fr

**Workshop / 35**

## **NHRF, Greece**

**Auteur(s) contact:** achatzi@eie.gr

Aristotelis Chatziioannou

"Enabling distributed Processing and Management of Biological Data through fusion of Grid and Web Technologies"

34

## **NHRF, Greece**

**Accessibility and socio-economic aspects / 25**

### **On Transferring the Grid Technology to the Biomedical Community**

**Auteur(s) contact:** mohammed@rrzn.uni-hannover.de

20

### **Oral contribution n°13**

21

### **Oral contribution n°14**

7

### **Oral contributions selected through call for papers**

**Core technologies and data integration / 15**

### **Phylogenetic Code in the Cloud – Can it Meet the Expectations?**

**Core technologies and data integration / 31**

### **Presentation of the OutGrid project**

**Auteur(s) contact:** cbarattieri@fatebenefratelli.it

**Accessibility and socio-economic aspects / 24**

## **Privacy aware access controls for medical data disclosure on European HealthGrids**

**Auteur(s) contact:** tony.solomonides@uwe.ac.uk

**Accessibility and socio-economic aspects / 23**

## **Programming distributed medical applications with XWCH2**

**Future of grids / 4**

## **Putting a Heart into a Box: GPGPU simulation of a Cardiac Model on the Xbox 360**

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When they first hit the market the current “next” generation of games consoles are, pretty much by definition, the most powerful “bangs per buck” computing hardware one can get, especially in terms of their graphical computing power and advanced GPUs. However, little work has been published which actually uses this power to produce useful research results. One exception is my recent paper using the Xbox 360 to carry out electro-cardio dynamics simulations, recently published in the Computational Biology and Chemistry\*. This I shall discuss in the broader context of using games consoles as an alternative HPC resource.

I shall also discuss the wider publicity generated by this paper, and highlight how games could be a very powerful tool in the Public Engagement with Science arena.

- Implications of the Turing Completeness of Reaction-Diffusion Models, informed by GPGPU simulations on an Xbox 360: Cardiac Arrhythmias, Re-entry and the Halting Problem, S.Scarle, Computational Biology and Chemistry 33 253 (2009)

Video presentation at: <http://tinyurl.com/cpv3pc>

**Core technologies and data integration / 17**

## **Research Traceability using Provenance Services for Biomedical Analysis**

**Auteur(s) contact:** peter.bloodsworth@cern.ch

**Core technologies and data integration / 19**

## **Sentinel e-health network on grid: developments and challenges**

**Auteur(s) contact:** vlieger@clermont.in2p3.fr

5

## Short contributions

Workshop / 44

### Spanish user community

Auteur(s) contact: [iblanque@dsic.upv.es](mailto:iblanque@dsic.upv.es)

Workshop / 36

### Swiss Grid community (Swiss National Grid Association (SwiNG), and Swiss Institute of Bioinformatics)

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Life Science Grid Applications in Switzerland – Position Talk

1

### Title to be confirmed

Brilliant medical doctor and scientist, Professor Jean Claude Healy has contributed to the transformation of healthcare at the European level when he was leading the DG-INFOS unit “Telematic Applications for Health” at the European Commission. Jean-Claude was a devoted supporter of e-Health and also a great visionary who really got involved into the development of the HealthGrid initiative. In memoriam of Jean Claude Healy, who passed away in 2008, we have decided to give his name to the keynote speech about the prospective vision of healthgrids evolution, given yearly by a distinguished scientist invited to the HealthGrid conference. This year, we are honored to welcome Dr. Joan Helen Dzenowagis, WHO, to present the “Jean Claude Healy keynote speech”.

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### Title to be confirmed

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2

### Title to be confirmed

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6

## **Unconference**

**Future of grids / 28**

### **Using Graphics Processors to Accelerate Protein Docking Calculations**

**Auteur(s) contact:** dave.ritchie@loria.fr

**Applications / 10**

### **Visualization, Analysis, and Design of COMBO-FISH Probes in the Grid-Based GLOBE 3D Genome Platform**

**Auteur(s) contact:** nick.kepper@bioquant.uni-heidelberg.de

**Core technologies and data integration / 14**

### **Web service catalogue for Biomedical GRID infrastructure**

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30

## **Workshop: outGRID project Workshop**

Conveners: Prof. Giovanni Frisoni (FateBeneFratelli, Italy)  
(15:00 - 18:30)

**Workshop / 47**

## **eNMR EU project**

Alexandre Bonvin, "WeNMR: A worldwide e-Infrastructure for NMR and structural biology"