

# Team Meeting

Hyacinthe Cartiaux

University Of Luxembourg

23 novembre 2012

# Plan

- 1 Introduction
- 2 HPC
- 3 Other services
- 4 Conclusion

# Introduction

# Introduction

## Training

- DUT in Computer Science
- Professional Bachelor Degree in systems, networks and applications administration

## Experiences

- 2007, VersusMind : web development
- 2009, Faurecia : administration of a computing cluster
- 2011, Tutored Project : experiments and comparison of cloud computing solutions on Grid'5000
- 2011, WHD-RS : web hosting
- 2011 -, University of Luxembourg : system administration !

# My role

## Technical Collaborator

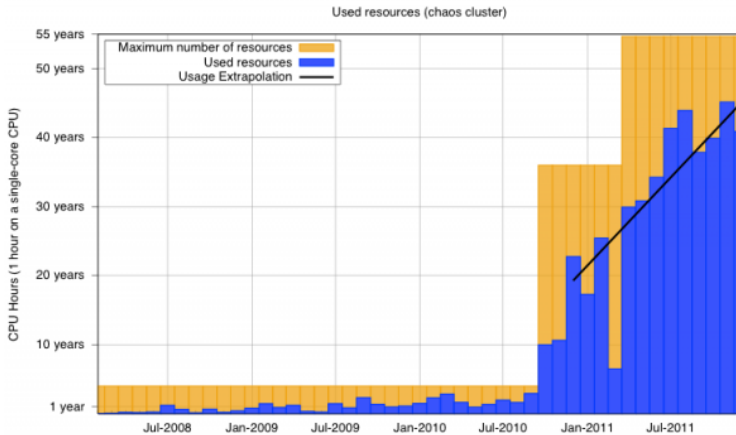
- Work under the supervision of Sebastien Varrette
- HPC administration
- Manage CSC services (gforge, backup, ldap, etc)
- User support



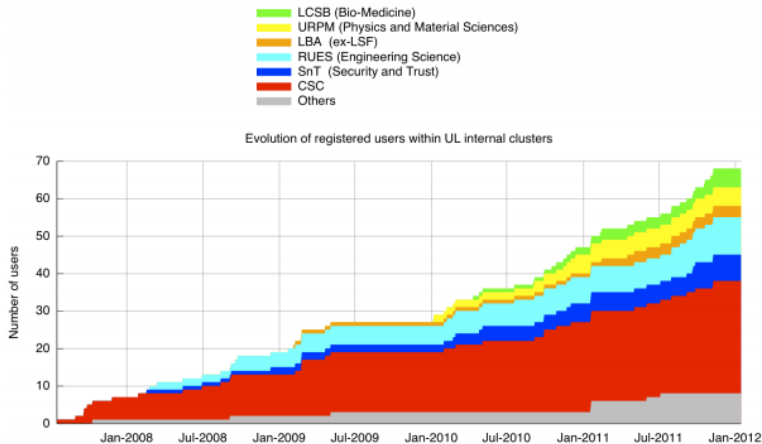
## Gaia & Chaos

- <http://hpc.uni.lu>
- <http://hpc-tracker.uni.lu>
  
- Consolidated configuration with Puppet
- User account management with OpenLDAP
- Easybuild and modules (Fotis)
- Hardware upgrade in progress









# HPC

## Grid'5000

- Experimental grid for computer science research
- <http://grid5000.fr>
- 10 sites, 2266 cpus, 8184 cores
- Luxembourg : Granduc, 22 nodes, 44 cpus, 176 cores

## What's new ?

- Kavlan, network isolation for your experiments
- Storage5k, reservation of storage space (in progress)
- Extension of Luxembourg site : <unnamed>, 16 new nodes, 32 cpus, 192 cores





## Other services



ejabberd



## Collaborative project management platform

- source code repositories (Git, Subversion)
- static web sites
- mailing lists
- bug tracker

**GForge** ||| ||| ||| |||

Logiciel/Groupe  Rechercher S'identifier  
Nouveaux compte

**Accueil** Ma page

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**Welcome on GForge @ Uni.lu**

GForge @ uni.lu is a service offered to facilitate the scientific collaborations of people working at the University of Luxembourg.

Inspired by the [freeForge](#), the general principle is to offer easy access through projects to submission repositories, mailing lists, bug trackers, message boards/forums, task management, site hosting, permanent file archive, full backups, and total web-based administration. The major features are listed in [helpfiles](#) website.

The [helpfiles website](#) provides informations to facilitate the use of GForge @ uni.lu.

**Statistiques de GForge Uni.lu**

Projets hébergés : 154 (18 public projects)  
Utilisateurs inscrits : 199

**Projets les plus téléchargés**

(17) LISSEP  
(13) Backup  
(1) Logics in Security Workshop  
[\[ Plus ... \]](#)

**Développeurs les mieux classés**

Plus de statistiques disponibles

**Projets les plus actifs cette semaine**

Plus de statistiques disponibles

**Derniers projets enregistrés**

(0805) MCH2011  
(0612) Bachelor informatique Book  
(0312) gforge  
(0411) VNF-Lux MailBy Mode  
(0811) HPS-2011  
(0711) GreenCloud  
(0309) shak  
(0201) BRAC 2010  
(0307) Logics in Security Workshop  
(0307) VCL

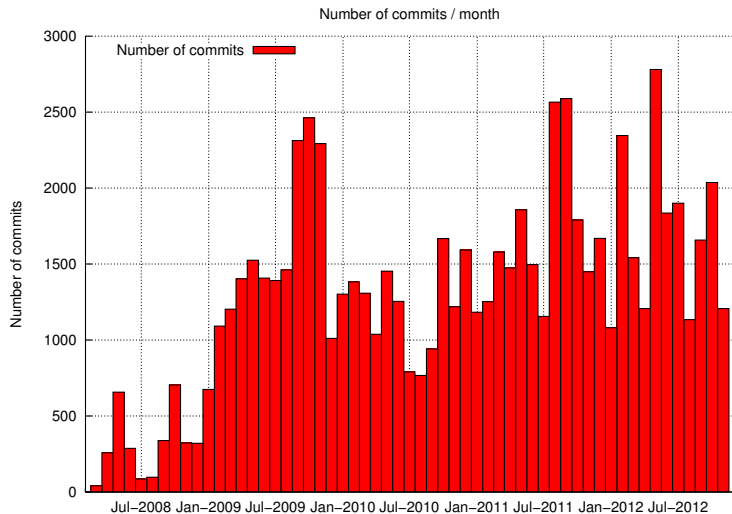
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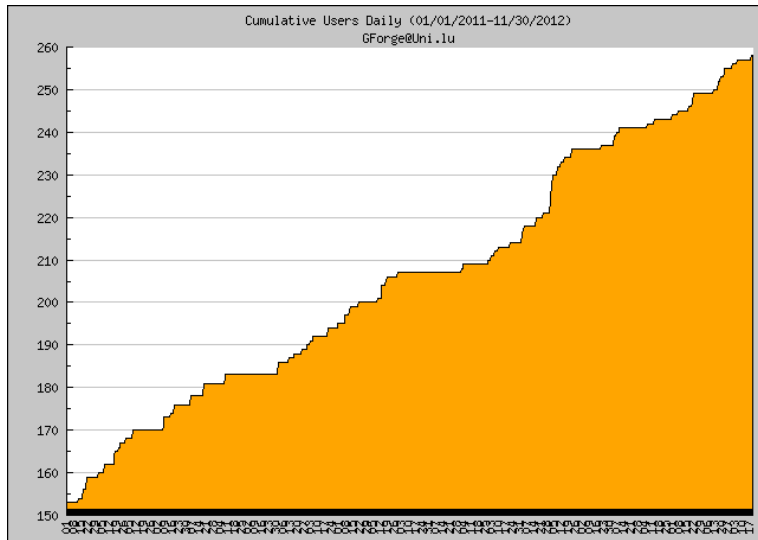
**Dernières annonces**

**Backup v0.3.2 released**  
- Zebastian Vienne - 18/11/2009 24:25 - Backup  
The new version of backup (v0.3.2) is out!  
[@ commentaire](#) [\[ lire la suite/Commentaire \]](#)

**Backup v0.3 in released**  
- Zebastian Vienne - 06/08/2009 17:17 - Backup  
The new version of backup (v0.3) is out!  
This release includes fixes and support for MAC operating systems thanks to Guillaume who join this project.  
Feel free to try it and give me some feedback.  
[@ commentaire](#) [\[ lire la suite/Commentaire \]](#)

**LISEP v0.3.1 in released**  
- Zebastian Vienne - 24/03/2009 00:28 - LISSEP  
The new version of LISSEP (v0.3.1) is out!  
This release includes fixes and a full redesign of subtools configuration to make it more complete and rigorous.





## Other services

### Jabber server

- Instant messaging
- Text conference rooms (hpc-users)
- [im.csc.uni.lu](https://im.csc.uni.lu) / use your HPC credentials

### Etherpad

- Collaborative and real-time text editor
- <https://im.csc.uni.lu>
- Beta !



# Conclusion

- Solid HPC infrastructure
- Improved integration to G5K
- New services
- And more coming soon !

Thank you for your attention !