



# *PG Day Europe 2009*

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## Welcome !

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*Magnus Hagander  
President of PostgreSQL Europe*

## Bievenue !

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## What is PGDay ?

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## Smoking

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## Fumer

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# Friday

	Track 1: English (General)	Track 2 : Français
8:30 – 9:30	<i>Registration</i>	
9:30 – 10:30	<b>Simon Riggs</b> Welcome / Keynote : PostgreSQL: The Next 20 Years	
10:30 – 11:00	<i>Coffee Break / Pause café</i>	
11:00 – 11:50	<b>Mark Cave-Ayland</b> PostGIS 1.4 and beyond: a technical perspective	<b>Vincent Moreau</b> Migration Oracle vers PostgreSQL
12:00 – 12:50	<b>Gabriele Bartolini</b> Data warehousing with PostgreSQL	<b>Dimitri Fontaine</b> PostgreSQL et Skytools chez Hi-Media
12:50 – 13:50	<i>Lunch / Buffet</i>	
13:50 - 14:40	<b>Gavin M. Roy</b> Scaling PostgreSQL Under Fire	<b>Jean-Paul Argudo</b> Systèmes de réplication pour PostgreSQL
14:40 – 15:10	<i>Coffee Break / Pause café</i>	
15:10 - 16:00	<b>Nikolay Samokhvalov</b> PostgreSQL for Social Networks	<b>Olivier Courtin &amp; Vincent Picavet</b> PostGIS, un module de PostgreSQL pour les données spatiales
16:10 - 17:00	<b>Robert Hodges &amp; Simon Riggs</b> The Future of PostgreSQL HA	<b>Jehan-Guillaume de Rorthais</b> PhpPgAdmin : présentation, développements et futur du projet

## Friday

	Track 1 : English (General)	Track 2 : Français	Track 3 : English (Developer)
9:00 - 9:50	Jan Bjurström Spatial databases for national maps in Armenia	Guillaume Lelarge MVCC et PostgreSQL	Heikki Linnakangas Welcome to WAL
10:00 - 10:50	Junichi Tado, Hiroshi Saito, Toshiki Saito Japan PostgreSQL Users Group	Mark Coles, Eric Bohlinger Bacula et PostgreSQL, optimisation et retour d'expérience	David Fetter Writeable CTEs: The Next Big Thing
10:50 - 11:20	Coffee Break / Pause café		
11:20 - 12:10	Jim Mlodgenski Monitoring your PostgreSQL databases with Hyperic	Stéphane Giron - Gilles Rayrat Clustering : la nouvelle donne -- Clusters maître/esclave pour PostgreSQL par Continuent	Jonathan S. Katz ORMs: Strengths, Weaknesses, and Building a PostgreSQL-specific ORM
12:10 - 13:10	Lunch / Buffet		
13:10 - 14:00	Yke van Randen Using spatial enabled database in Ecological research	Gaël Le Mignot Étude de cas : indexation d'une base documentaire pour le quotidien Libération	Oliver Kohll Introducing portalBase - agile database development with PostgreSQL
14:10 - 15:00	Joshua Drake PITR made easy	Fabien Coelho pg_comparator: remote comparison of database tables	Dimitri Fontaine pg_staging or how to manage your staging environments
15:00 - 15:30	Coffee Break / Pause café		
15:30 - 16:20	Lightning talks ( <i>Conférences éclairs</i> )		
16:30 - 17:00	Closing ( <i>Conclusion</i> )		

## Friday

## Track 1 : English (General)

9:30 - 10:30

Amphi. Thévenin

**PostgreSQL: The Next 20 Years**

Simon Riggs

A look at the things we need to do in the next 20 years to continue to provide a relevant, cutting edge solution to the world's data problems. We'll look back over the last 20 years of our own development, as well as looking at what has happened in academia and industry over the same period and where things are going now. Where next? Come and see.

11:00 - 11:50

room 310

**PostGIS 1.4 and beyond:  
a technical perspective**

Mark Cave-Ayland

With the long awaited release of PostGIS 1.4, there have been significant performance improvements to some of the key spatial operators. This talk covers some of the internal changes undertaken during the 1.4 development cycle to improve both performance and maintainability, ending with a preview of the new features slated for the 1.5 release.

12:00 - 12:50

room 310

**Data warehousing with PostgreSQL**

Gabriele Bartolini

An overview of data warehousing with PostgreSQL, covering native enterprise-class characteristics and features, logical/physical design techniques, extensibility, some optimisation tips and current limitations. Based on over 5+ years experience with terabyte-class issues, I explain how features such as table partitioning, tablespaces, views, schemas, stored procedures, windowing functions, etc. make PostgreSQL an ideal candidate for a database management system in a datawarehouse environment.

13:50 - 14:40

Room 310

**Scaling PostgreSQL Under Fire**

Gavin M. Roy

It's 1:30 am and your already popular website was just featured on national television. Will your PostgreSQL back-end become the bottleneck that takes the site down? Have you been in such a position? Do you expect that you will be some day? *Scaling PostgreSQL Under Fire* covers the various demands, stages of growth and the strategies to accommodate them.

15:10 - 16:00

Room 310

**PostgreSQL for Social Networks**

Nikolay Samokhvalov

PostgreSQL has great capabilities that make it the most powerful OSS DBMS. But consider that a super-car is the first car you have ever had and you start to drive without strong driving experience and use all the power and features it provides. It's so easy to make mistakes! The most young web projects that starting to use Postgres on single database server and growing to tens and hundreds of servers repeat very similar mistakes.

16:10 - 17:00

Room 310

**The Future of PostgreSQL HA**

Robert Hodges &amp; Simon Riggs

Synch Replication and Hot Standby are new features scheduled for PG 8.5. With help from Simon Riggs I will explain how they improve PostgreSQL high availability and let users declare independence from other, unnamed databases. I'll then look at the deeper questions these features raise: Are Slony, Londiste, and Bucardo doomed? Are other hardware and software solutions obsolete? Can PostgreSQL really deliver HA on which we can bet our lives, our fortunes, and our sacred honor?

# Vendredi

## Track 2 : Français

11:00 - 11:50

Salle 312

### Migration Oracle vers PostgreSQL

Vincent Moreau

Retour d'expérience de l'utilisation de PostgreSQL au sein du groupe Adeo avec la migration de plus de 400 serveurs, ainsi qu'une présentation du "socle" Postgres chez Adeo, de la méthodologie de la migration ( Ora2Pg ) et un descriptif des problèmes rencontrés.

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Salle 312

### PostgreSQL et Skytools chez Hi-Media

Dimitri Fontaine

Hi-Media appuie aujourd'hui l'essentiel de ses services sur des technologies libres, et en matière de bases de données, le choix de PostgreSQL s'accompagne des Skytools. Ces outils nous permettent de faire de la réplication de données dans des cadres très différents (fédération de données pour répartition de charge, réplication croisée pour séparation des composants, maintenance d'une solution de reprise sur incidents, traitements asynchrones métiers...).

13:50 - 14:40

Salle 312

### Les systèmes de réplication pour PostgreSQL

Jean-Paul Argudo

Cette présentation parcourt les différents systèmes de réplication disponibles pour PostgreSQL et en propose une classification selon des critères communs. La conférence vise un public large, des sceptiques ou débutants jusqu'aux décideurs qui cherchent à choisir le système de réplication le plus adéquat à leur besoin.

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### PostgreSQL for Social Networks

Olivier Courtin &amp; Vincent Picavet

Il est dit que 80% de l'information possède une composante spatiale. Pour tirer pleinement parti de cette caractéristique, les collectivités locales comme les entreprises privées mettent en place des systèmes d'information géographique. Les SIG étaient historiquement des logiciels bureautiques, mais ont évolué vers des systèmes à l'architecture distribuée, et une ouverture forte vers le web. Dans ce contexte, PostgreSQL accompagné de la cartouche spatiale PostGIS tient une place prépondérante pour le stockage et le traitement des données.

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### phpPgAdmin : présentation, développements et futur du projet

Jehan-Guillaume de Rorthais

PhpPgAdmin est un outil d'administration de PostgreSQL accessible depuis n'importe quel navigateur internet. Il est parfait pour les DBAs, les débutants et est aussi utilisé chez certains hébergeurs. PhpPgAdmin peut administrer plusieurs serveurs à la fois, permet d'y construire de nouvelles bases, de nouveaux objets, d'en manipuler les données, de les exporter, d'y exécuter des requêtes et de créer des rapports. De plus, il existe un plugin intégrant le moteur de réplication Slony.

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## Saturday

## Track 3 : English (Developer)

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## Conférencier Français

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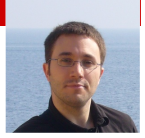
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Olivier a commencé à travailler avec PostGIS en 2004 dans le cadre de sa thèse de master. Il a organisé plus de 25 sessions de formation liées à PostgreSQL et PostGIS ces 5 dernières années. Olivier est un des principaux développeurs de PostGIS depuis 2008, en charge des fonctions d'import/export.



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### Jehan-Guillaume de Rorthais

Jehan-Guillaume a découvert les logiciels libres lors de ses études supérieures. Après avoir participé au projet phpPgAdmin en proposant des patch correctifs et de nouvelles fonctionnalités, il est devenu administrateur du projet. Il est expert PostgreSQL chez Dalibo.

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# English Speakers

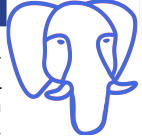
Gabriele Bartolini

A long time open-source programmer, Gabriele is an active member of the international PostgreSQL community. Gabriele has a degree in Statistics and is an expert on data warehousing and data mining, having worked on web traffic analysis in Australia and Italy. Gabriele is a consultant with 2ndQuadrant.



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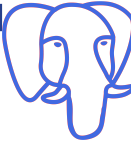
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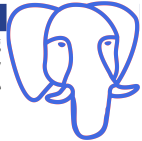
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Joshua D. Drake

Joshua is a major contributor and the SPI Liaison for PostgreSQL.org. He's the president of PostgreSQL.us. He's also a lead consultant at Command Prompt, Inc. the oldest PostgreSQL dedicated consultancy in the United States.



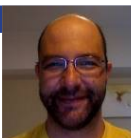
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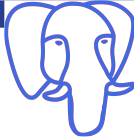
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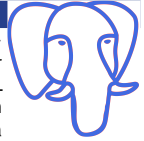
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**Jan Bjurström**

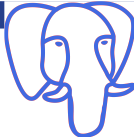
Worked with Geographical Information Systems for 23 years as system developer, consultant, teacher and database administrator. PostgreSQL this year. His company is Metria, part of Lantmateriet, The Swedish mapping, cadastre and Land registration authority.

**Jan Bjurström**

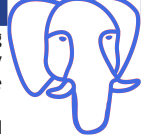
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**Mark Cave-Ayland**

Mark has been developing applications using PostGIS as a key component of the open source geospatial stack for over 7 years, including working on large-scale and near real-time geospatial datastores. As a senior technical architect at Sirius, Mark has provided consulting for a number of open-source geospatial projects and is also a member of the PostGIS core team.

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**Joshua D. Drake**

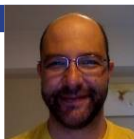
Joshua is a major contributor and the SPI Liaison for PostgreSQL.org. He's the president of PostgreSQL.us. He's also a lead consultant at Command Prompt, Inc. the oldest PostgreSQL dedicated consultancy in the United States.

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**David Fetter**

David Fetter writes the PostgreSQL Weekly News, contributes patches to the PostgreSQL source code, helps with the web and sysadmins team, and gives talks on PostgreSQL wherever people wish to hear them. He is a founder of PostgreSQL Experts, Inc.

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