



Eclipse Update

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Eclipse Foundation



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Progress on Integrated Software Development Tools

Carmakers Consider Open Source and Commercial Solutions

Software is the means by which a carmaker can stand apart from other carmakers. Carmakers who get software development right are able to bring new and better features and functions to the market faster and at lower costs than those who don't. And as software com-

BMW Leads Open Source Infotainment Initiative

Daimler On Board; GM and PSA Will Probably Join

Already in hypercompetitive mode, the infotainment industry is facing further upheaval following BMW's recent announcement that it has joined with Intel, Wind River and others in an effort to promote an open source infotainment and communications system platform based on Linux. A viable open source platform will force infotainment suppliers to change the

Because it takes way too much time to develop new infotainment features and functions, embedded systems today tend to be not only much more expensive than they should be, but also lacking in the most up-to-date technologies.

Embedded infotainment systems, with their big displays and driver-safe user interfaces, need to be periodically updated to keep pace with the latest portable consumer electronics they are supposed to

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customization, configuration and maintenance costs.

OSEE is an open source development project under the Eclipse Foundation, a consortium of major software vendors, corporations and academia focused on developing a universal platform for software development tools.

Carmakers facing the enormous challenge of disconnected software development tools are considering two possible solutions: 1. Participate in an Eclipse Foundation open source project to develop an integrated tool chain, or 2. Purchase a new tool environment for managing the engineering process, for example, Vector Informatik's eASee.

Eclipse Foundation Open Source Tool Integration Project

Ralph Müller, the Eclipse Foundation's director of Ecosystems Europe, has been talking to carmakers and suppliers about forming an automotive core group that would develop an open source framework for an integrated tool chain based on pre-

BMW Leads Open Source

bidirectional traceability throughout the development V model.

Benefits of Cooperating on Eclipse Open Source Tool-Framework Projects

- ◆ Projects can progress even as team participants change.
- ◆ Participants collaborate on infrastructure technology where they don't necessarily compete.
- ◆ No royalties are due.
- ◆ Lessens the need to rely on a proprietary tool from a company that could go out of business, taking the intellectual property with them.
- ◆ Tools built to run on the platform are far less expensive to integrate, and they have the same look and feel.
- ◆ Standardizing by actual implementation is a faster, more direct path than first writing standards.
- ◆ Lowers entry barriers so more suppliers can participate.
- ◆ Makes use of the Eclipse ecosystem of suppliers and service providers.
- ◆ A majority of the toolmakers serving the auto industry already use aspects of the Eclipse platform.

Autosar infrastructure elements that each tool must fulfill and share them. It lowers the initial hurdle for each tool developer. They can then more easily design the tool extensions they need," he explained. Dr. Heinecke heads BMW's Car IT subsidiary.

In a paper delivered at the Embedded Real Time Software Congress in Toulouse, France, January 2008, Dr. Heinecke and his coauthors had high praise for Eclipse: "Eclipse is one of the most successful open source projects around. ... [It] is such a convenient starting point for developing applications, more and more people use it, extend it, and themselves contribute their extensions back to the community so that the Eclipse core grows in functionality and quality. Those success factors of Eclipse could be applied to an open Autosar tool framework as well."

But Autosar will not take the classic open source approach. Rather, it will limit some of the intellectual property associated with the tool to Autosar members, because only Autosar members are legally

continued on page 8



History of the Eclipse Project

- Initiation in 2001
 - Initial release of the Eclipse technology platform (Platform, JDT, PDT)
 - Founding consortium board comprised Borland, IBM, MERANT, QNX Software Systems, Rational Software, Red Hat, SuSE, TogetherSoft and Webgain
 - Eclipse Public License (EPL)

- Eclipse Foundation 2004
 - Independent not-for-profit organization formed in 2004
 - Definition of bylaws, membership model, initial IP process
 - Foundation management staff hiring starts

- Eclipse Foundation today -->

A Member Driven Open Source Project

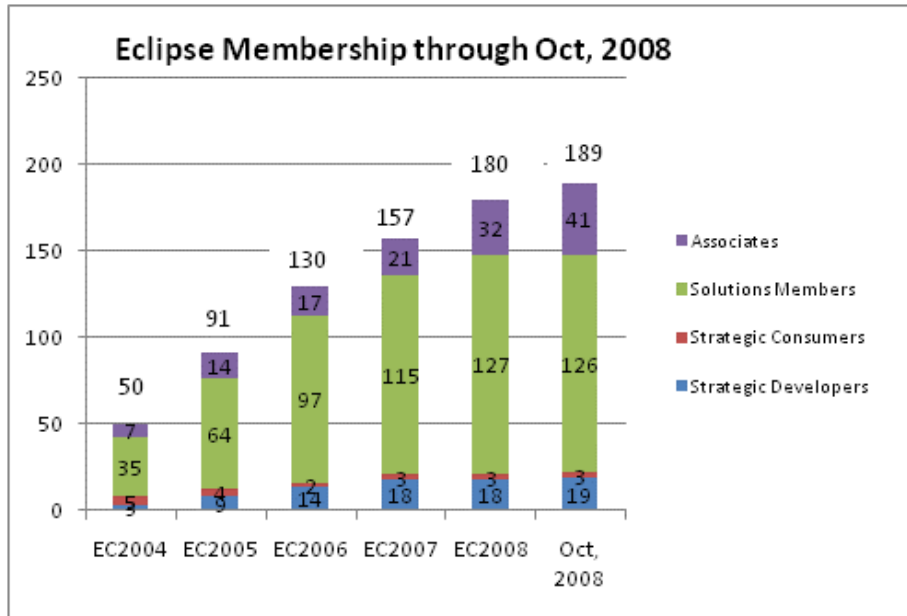


- 189 members
 - 22 Strategic Members
- 932 committers, representing 75+ organizations

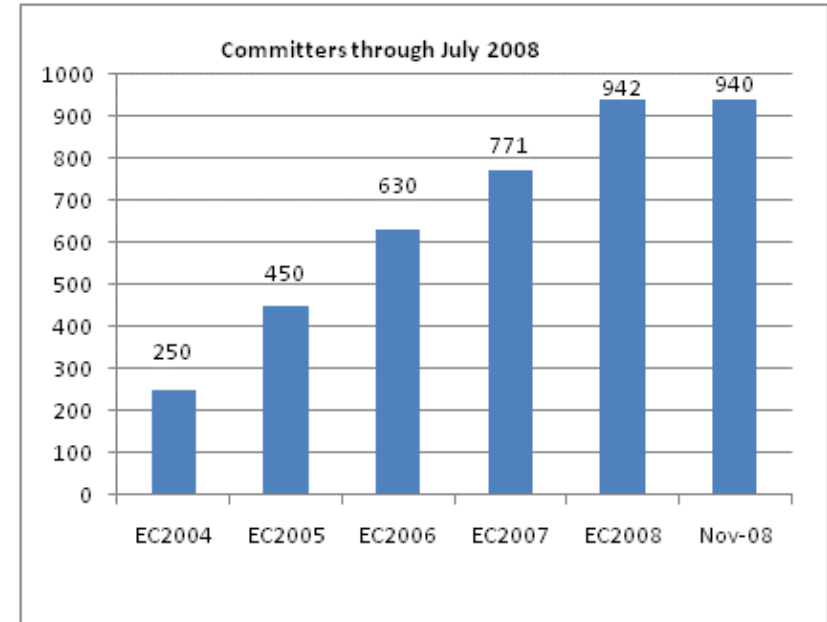
Strategic Members



Eclipse Momentum



Members



Committers

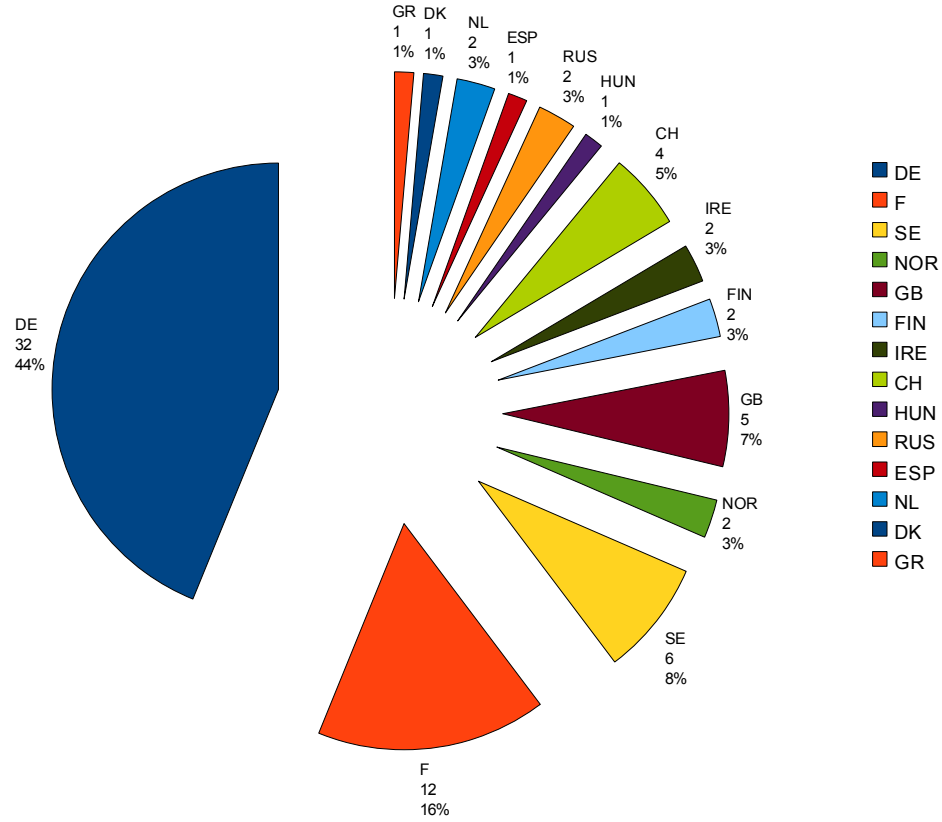
- Notes:**
- A Change in membership structure in July 2008 means some Solutions Members moved to Associate (Dues Paying)
 - A reconciliation of the Committer Database cleared approximately 150 committers in April, 2008

of members and committers as of EclipseCon each year.

Eclipse in Europe

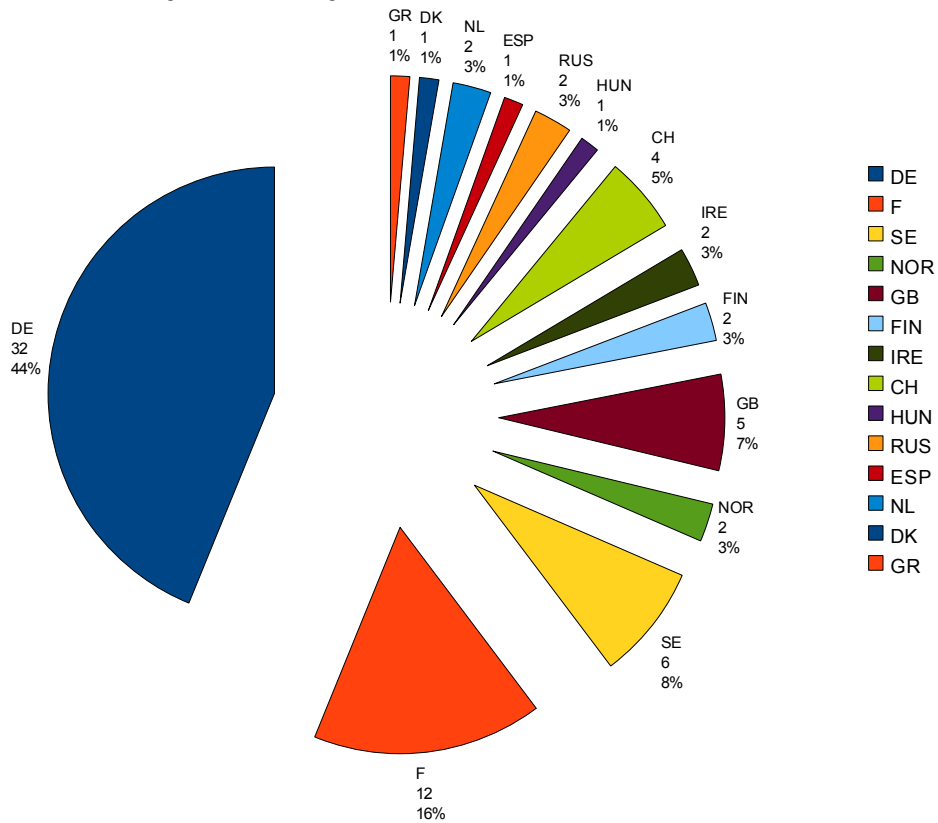


Members by Country

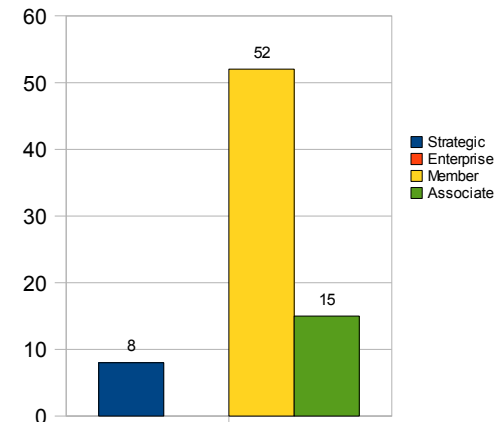


Eclipse in Europe

Members by Country



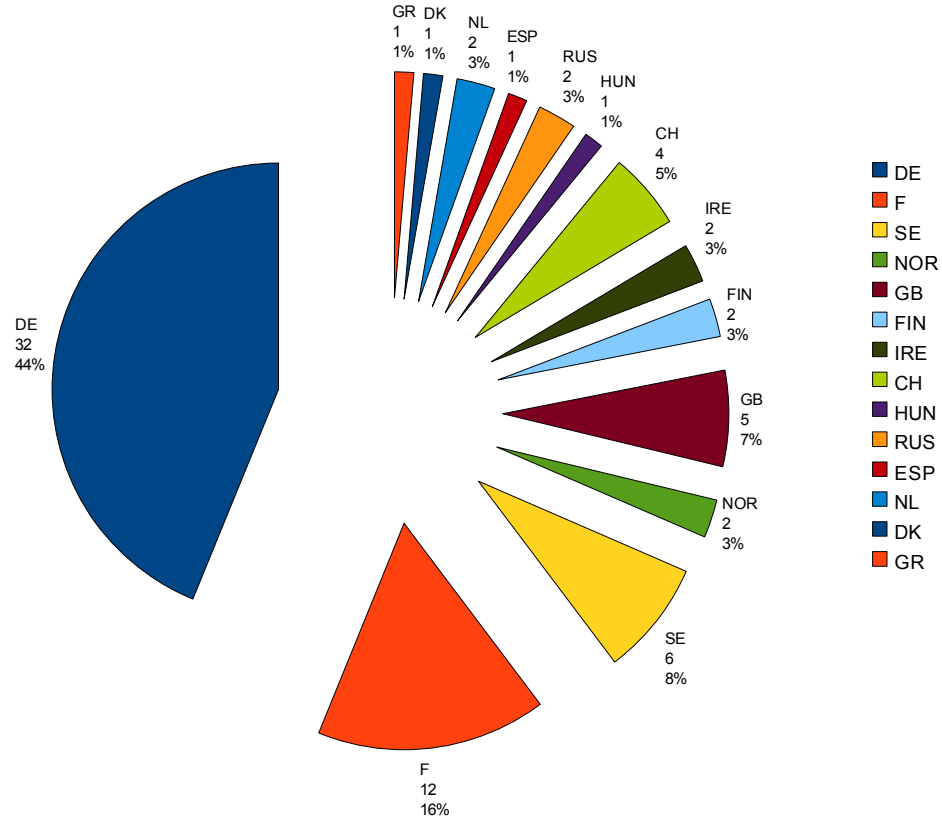
Members by Class



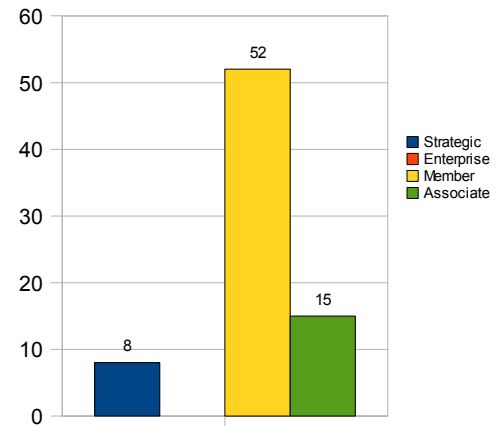
Eclipse in Europe



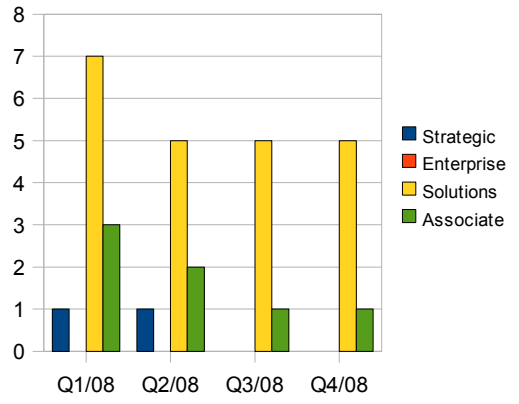
Members by Country



Members by Class



Growth by Quarter



Events



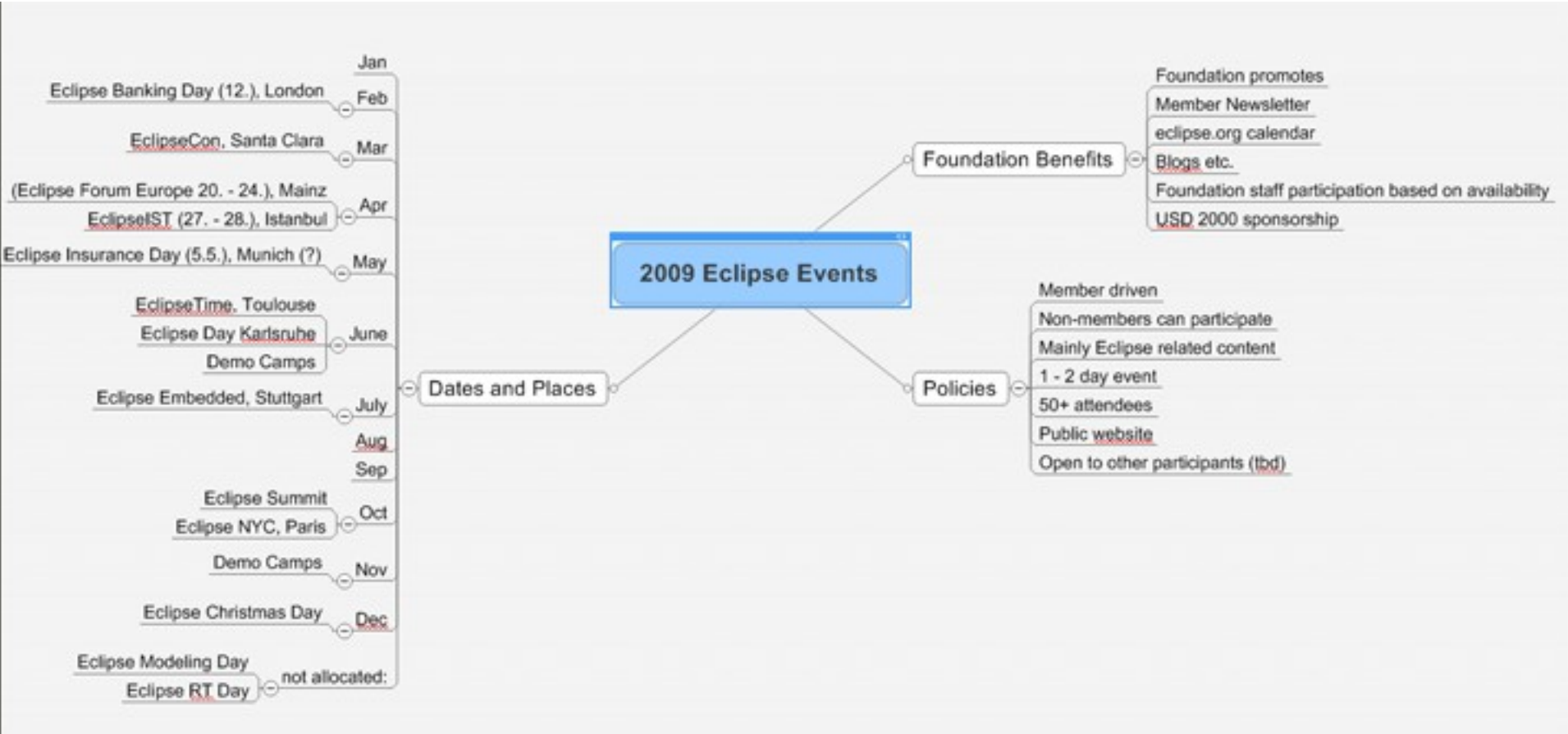
Events



Events



Planning 2009





Projects

Riena



Subversive

RAP

g-Eclipse

OFMP

Memory
Analyzer

SMILA

cloudFree


Hot Stuff

New Album Delete Album

Library

- Album 2
 - .project
 - DSC_0599.JPG
 - DSC_0611.JPG

Map



Thumbnails Exif

name	make	model	orientation	software	timestamp	gpsLatitude	gpsLongitude	exposure	is
DSC_0	NIKON	NIKON	6	Ver.1.11	2008:07:1			1/250	
DSC_0	NIKON	NIKON	1	Ver.1.11	2008:07:1			1/60	



God uses EMF

by [ralphmueller](#) @ 2008-12-05 - 14:07:59

This week Mike M. and I were visiting some systems engineering / embedded systems companies in Germany. We were talking a lot about CDT, DSDP and the modeling projects. On the last day of the trip, I went home and Mike went to another meeting. It was a tough week, and I was really happy once I got home and got comfortable on my sofa.

That was when Mike called me. The connection was very bad, lots of static. So I figured he must call from very far away. What he said to me -interrupted by static was something along the lines of " ... god static use ... static ... EMF ... more static ...".

I have to admit, being almost asleep on my cozy sofa I was really wondering for a moment how Mike had found out. How did he manage to meet the guy? From my former education



Hacker Culture Meets Industry



Hacker Culture Meets Industry





Thank you -

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Picture Credits: <http://wikipedia.org>