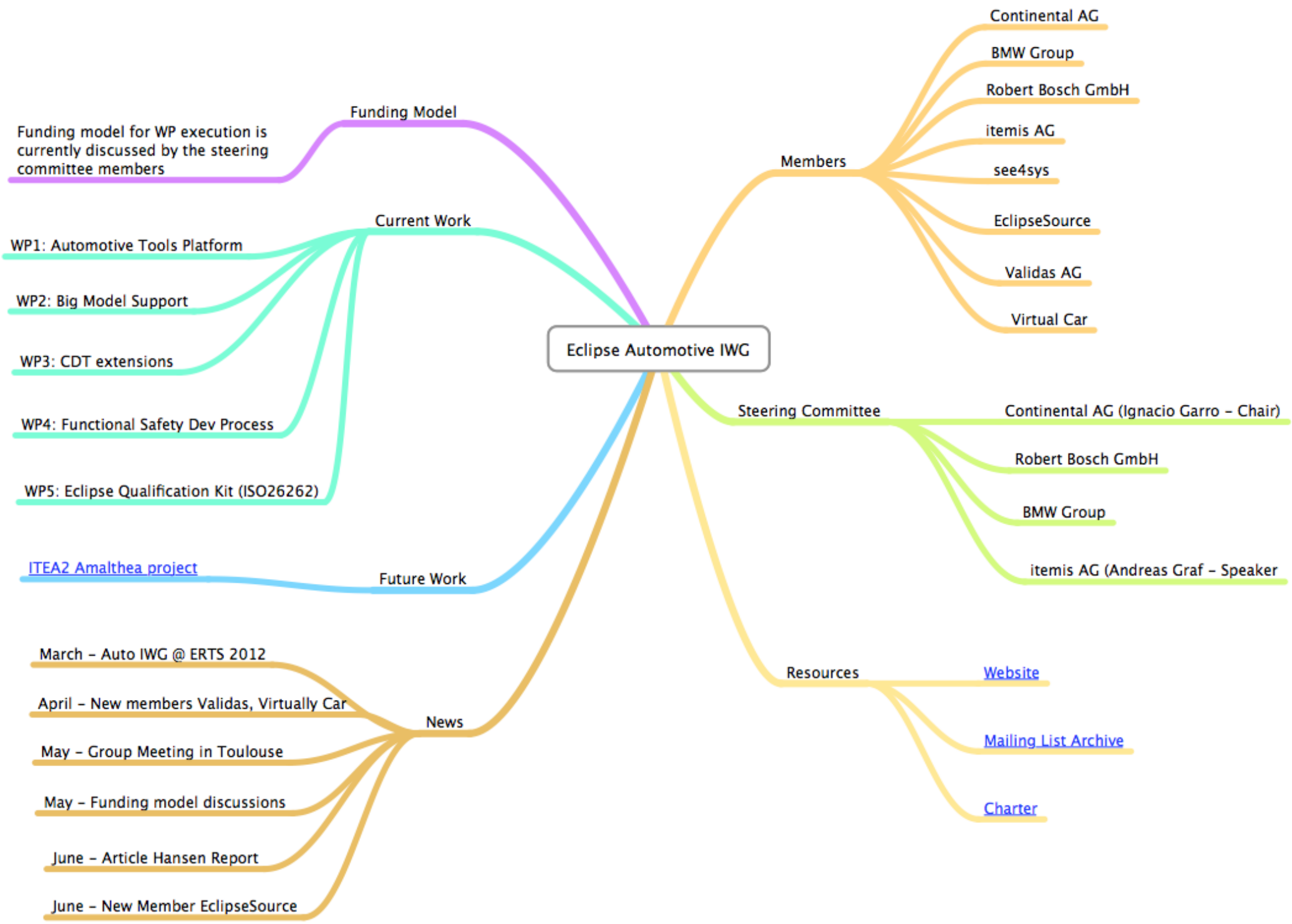




Automotive Industry Working Group

Ralph Mueller
June 8, 2012



Strategic Drivers

- 80 – 90% of innovation electronics / software
- System orientation
- Change from 'Production Driven' to 'Quality Driven' and 'Innovation Driven'
- Innovation requires collaboration in value creation network
- Changing supplier networks
- Safety / environmental regulations

History

- First Meeting Stuttgart October 2008
- Financial and Economical Crisis 2009 stalled progress
- Restart Spring / Summer 2010
(Robert Bosch GmbH, Continental AG, BMW AG, Infineon)
- Technical work starts in 2011 (slow)
- New members and work-packages, higher range of activities in spring 2012

Members

- BMW Group - OEM, Steering Member
- Robert Bosch GmbH - Supplier (T1), Steering Member
- Continental AG - Supplier (T1), Steering Member
- Itemis AG - Modeling Expert, Steering Member
- see4sys - Automotive Project Services
- Validas AG - Safety Expert
- Virtual Car - Safety Expert
- EclipseSource - Modeling and Eclipse Technology Expert

Organization

- Steering Committee
 - Continental AG
 - Robert Bosch GmbH
 - BMW Group
 - itemis AG
- Chair: Ignacio Garro, Continental AG
- Speaker: Andreas Graf, itemis AG

Work Packages

1. Automotive Tools Platform - Definition and provisioning of a reference for tools vendors and users
2. Big Model Support - Address performance and memory consumption issues with automotive engineering models
3. CDT Extensions - Address issues and additional automotive requirements for CDT
4. FuSa Dev Process - Analyze functions that tool chains should provide regarding functional safety
5. Eclipse Qualification Kit (ISO26262) - Definition of support for functional qualification for Eclipse based tools
6. Future: Amalthea Project - Multi Core extensions, functional safety (Robert Bosch e.a.)
7. Future: EATOP Project - Embedded Automotive Architecture Analysis, see also [EAST/ADL](#) (Continental AG e.a.)

Development Funding

- Currently, the steering committee members discuss funding models
 - activity based funding
 - pooled funding
 - more information expected August/September

Relation to other IWGs

- Polarsys: Safety critical standards, qualification packages
- Polarsys: Mutual interest in various projects - RMF, Modeling platform projects
- LTS: Initial interest

Resources

- IWG Wiki - http://wiki.eclipse.org/Auto_IWG
- Mailing List - <https://dev.eclipse.org/mailman/listinfo/auto-iwg>
- Charter - <http://www.eclipse.org/org/industry-workgroups/autowg.php>
- Meetings: http://wiki.eclipse.org/Auto_IWG_Meetings
- Work Packages: http://wiki.eclipse.org/Auto_IWG#Work_Packages