

**Plan. Measure. Share.**

And simplify your  
measured data management



First annual meeting, July 7, 2015, Sindelfingen

## Eclipse Working Group (EWG) open Measured Data Management

Author: Gerwin Mathwig, Sven Wittig, Andreas Benzing

*modified version*

## Some photos of the meeting



Gerwin



Andreas



Sven

# Agenda

1 Welcome and organizational matters	Gerwin	
2 Annual report of the steering committee	Gerwin	
2.1 Job split	Sven	
2.2 Architecture committee	Andreas	
Break		11.00-11.15
3 Services, Vision/Milestones 2015-2016	Gerwin	
Lunch		12.30-13.30
<b>Committee structure and elections</b>		
4 Verify Classes of the members HighQ, new ...	Gerwin	
5 Designation Head of electoral management	Gerwin	
6 Candidates for the committee-elections	Sven	
7 Elections	Sven	
Steering committee	Sven	
Architecture committee	Sven	
Quality committee	Sven	
8 Elect the speakers per committee	SC, AC, QC	
9 Plenum: result of elections	speaker of SC, AC, QC	
A Project structure of the WG	Project manager	
B Documentation of new structure WG	Sven	
C Communication platform EWG	new speaker of SC	
D Next meeting, close the meeting	new speaker of SC	16.30 End

# 1) Welcome and organizational matters

New: Siemens (LMS) and ASAM



Interested:

Polytec  
TWT  
Toyota  
PSA  
Volvo  
Continental  
Ford  
Bosch

..... all are welcome ..... it will be a great day, let's start!



## 2) One Year open MDM – EWG Starts with founding

### Founding in Ingolstadt, 11. July 2015

AUDI AG	driver member
BMW AG	driver member
Canoo GmbH	service provider
Daimler AG	driver member
Gigatronik GmbH	service provider
HighQSoft GmbH	application vendor
Peak Solution GmbH	service provider
Science&Computing AG	service provider



## 2) Information Platform created

### Some links and contacts

- via open MDM Wiki – Minutes, Events, MDM@WEB-Project
  - <https://wiki.eclipse.org/Open-Measured-Data-Management-WG>
  - <https://projects.eclipse.org/proposals/mdmweb>
- Internetsite: What is open MDM ( a toolbox)
  - <https://openmdm.org/>
- Open Measured Data Manangement - Mailinglist
  - if you want to participate contact: [ralph.mueller@eclipse.org](mailto:ralph.mueller@eclipse.org)
  - [open-measured-data-wg@eclipse.org](mailto:open-measured-data-wg@eclipse.org)
- => if you want to join use please contact:
  - [Gerwin.Mathwig@Daimler.com](mailto:Gerwin.Mathwig@Daimler.com) or [Sven.Wittig@audi.de](mailto:Sven.Wittig@audi.de) or [Ulrich.Bleicher@bmw.de](mailto:Ulrich.Bleicher@bmw.de)  
or any Member of the Workinggroup

## 2) One Year open MDM – EWG First order “job split”

-> Sven

### openMDM® initial job split



For the fast startup of “openMDM® 5” the potential three initial driver members agree the following job split as their contributions to the first development cycle of openMDM® 5:

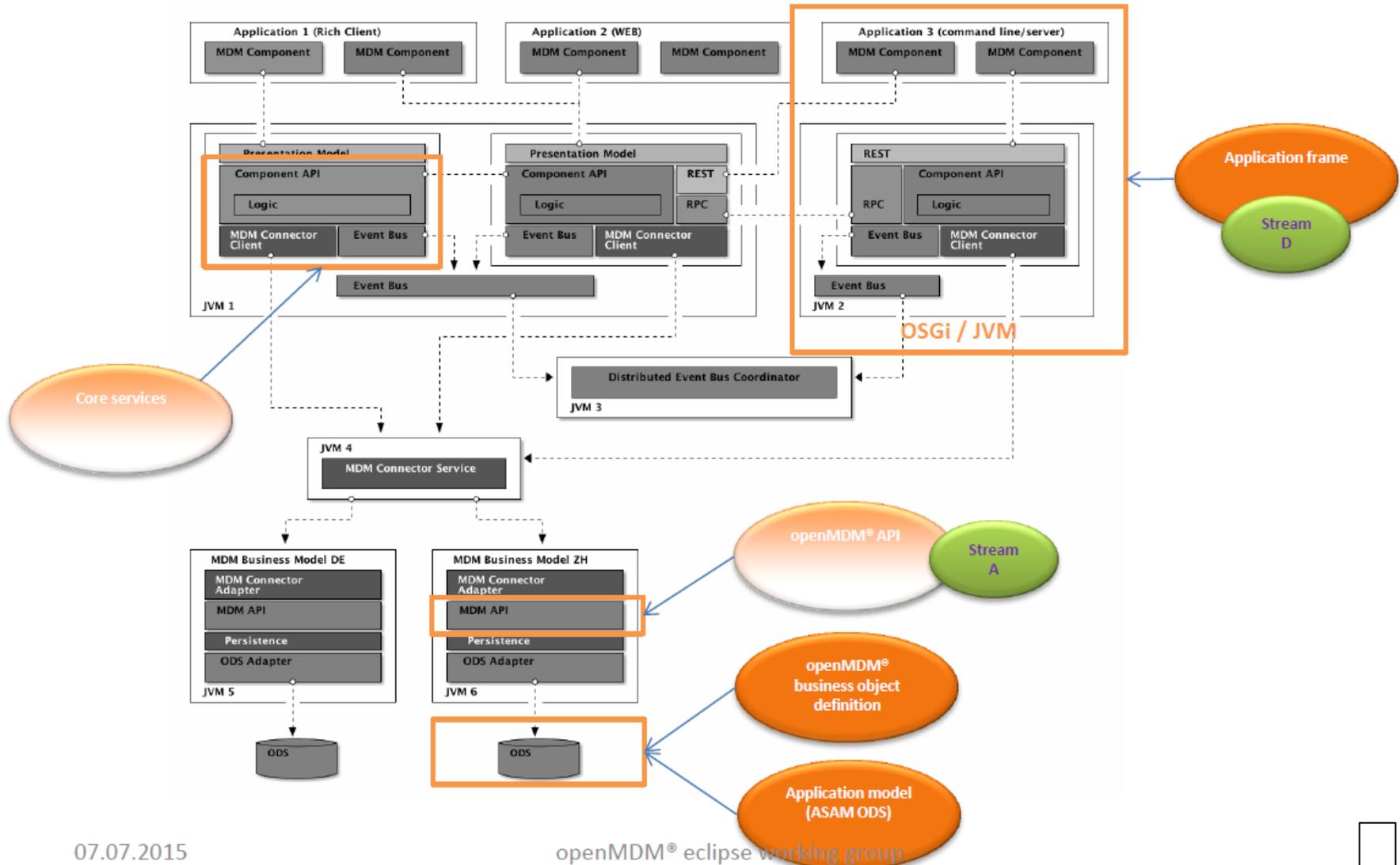
- Audi provides a new version of the openMDM® API and the corresponding ASAM ODS application model which complies to the openMDM® 5 architecture and the recent openMDM® business object description
- BMW provides the components for a basic functional version of an openMDM® rich client frontend which comply to the openMDM® 5 architecture
- Daimler provides the components for a basic functional version of an openMDM® web frontend which comply to the openMDM® 5 architecture

The assignment of components to the corresponding work packages for the companies will be proposed by the openMDM® tech workgroup.

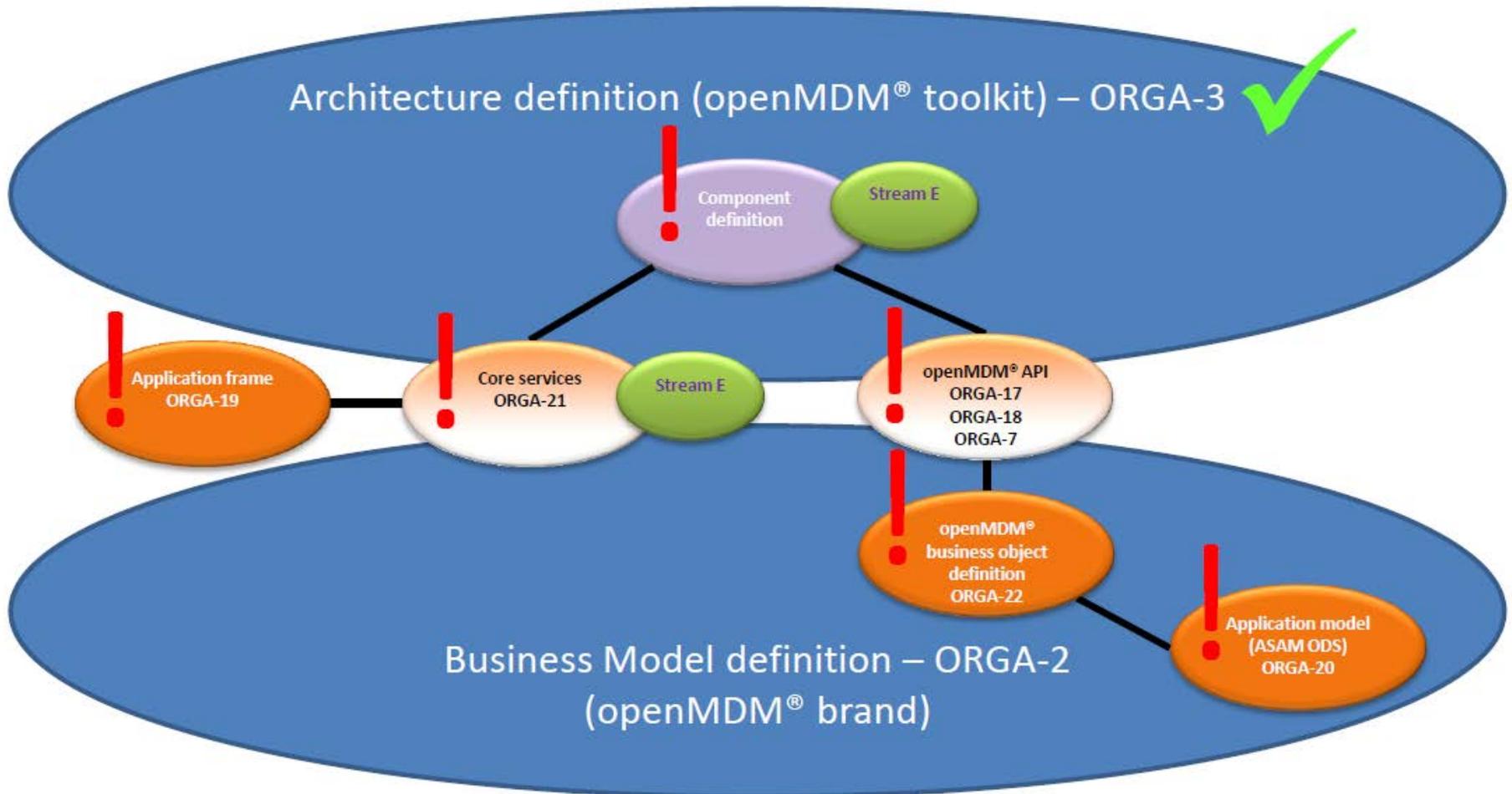
The compliance to the openMDM® 5 architecture has to be confirmed by the openMDM® tech workgroup or the corresponding gremia of the new openMDM® community. All components have to be published under the eclipse public license.

Contributions of other openMDM® IWG members will be integrated.

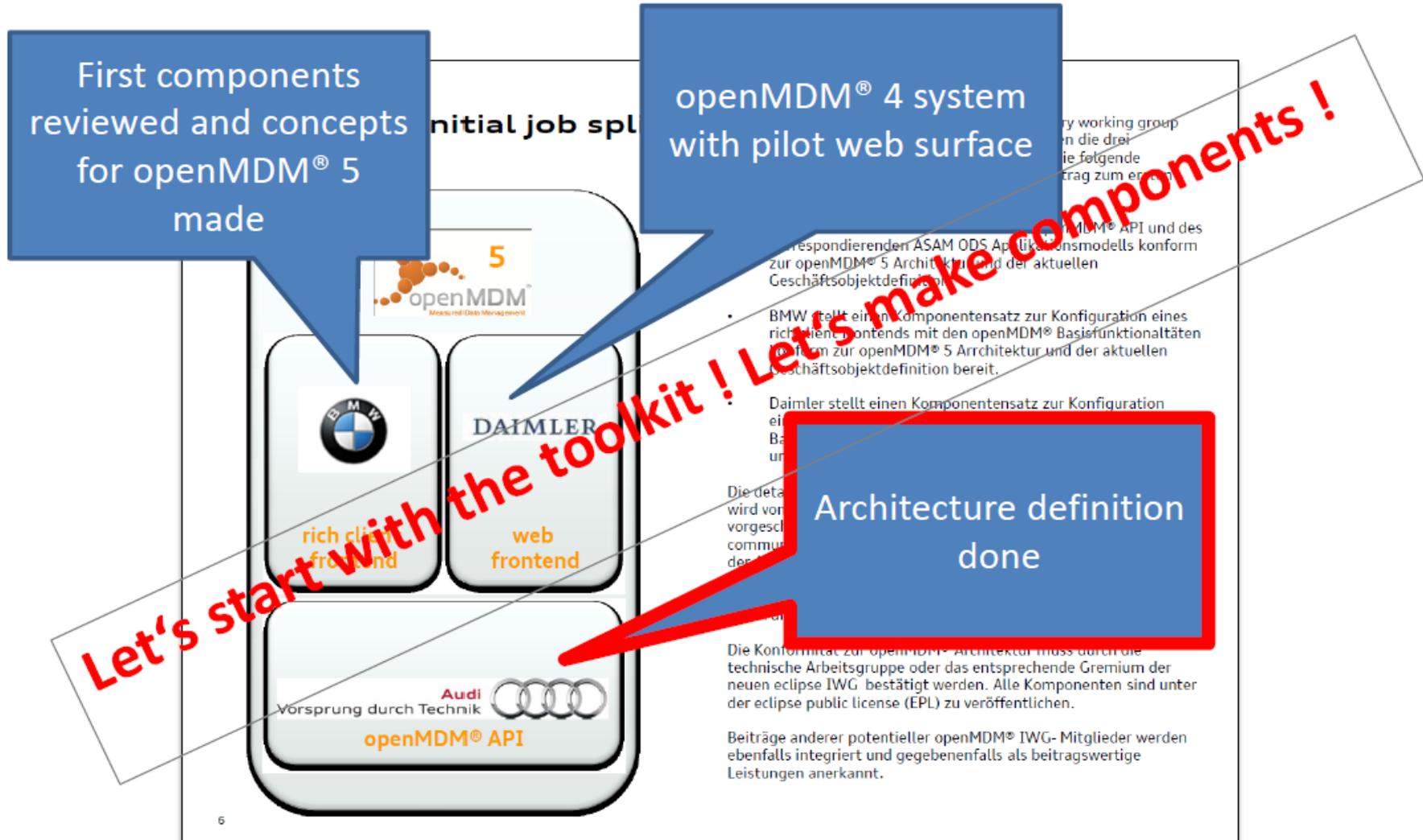
# 2.1 New architecture



## 2.1 Business layer overview



## 2.1 Initial job split – status 201507



The diagram shows the openMDM 5 architecture with three main components:

- rich client frontend** (BMW logo)
- web frontend** (DAIMLER logo)
- openMDM® API** (Audi logo)

Callouts provide status updates:

- Top left: "First components reviewed and concepts for openMDM® 5 made"
- Top right: "openMDM® 4 system with pilot web surface"
- Bottom right: "Architecture definition done"

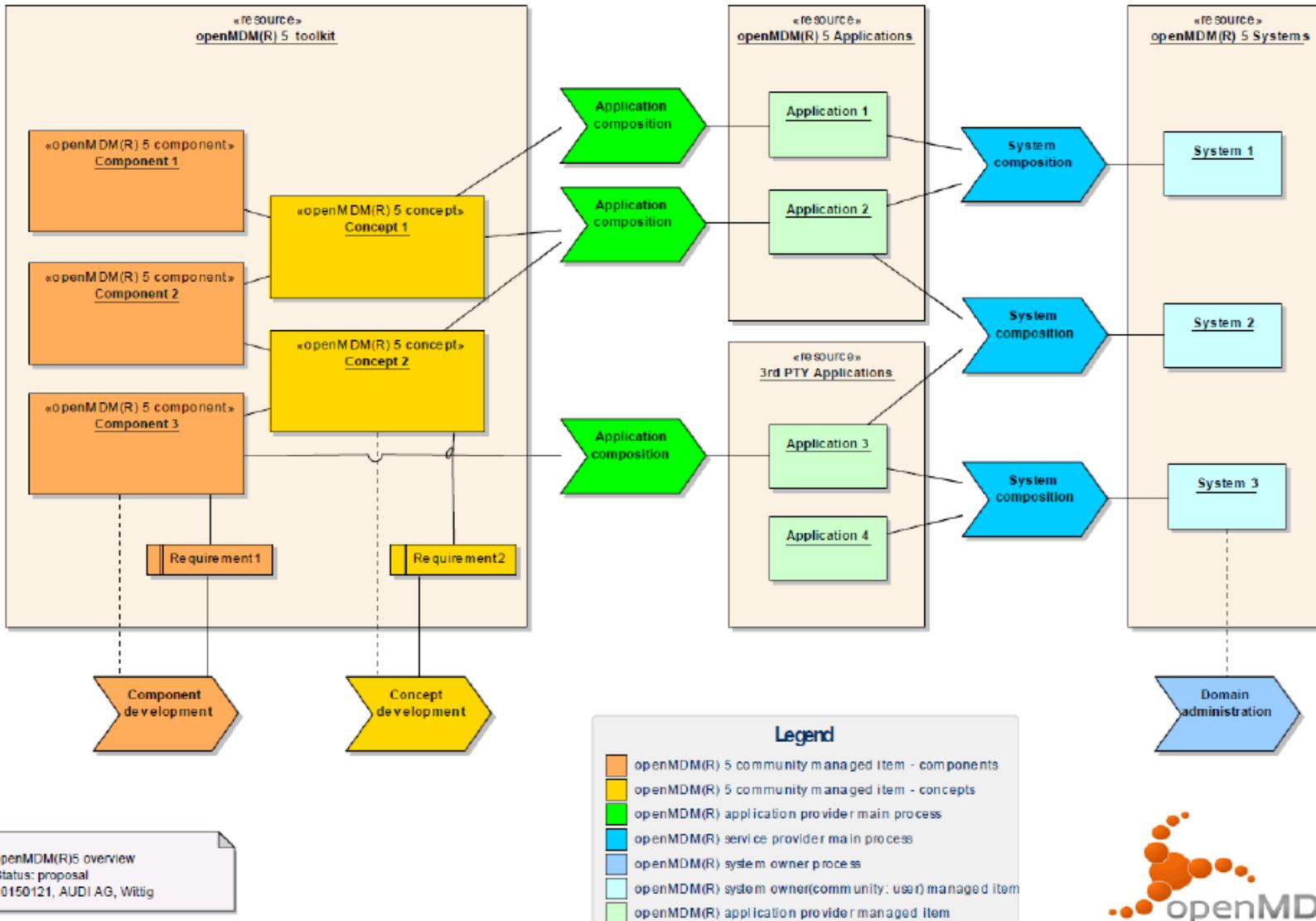
A large red stamp across the diagram reads: "Let's start with the toolkit! Let's make components!"

Background text includes:

- Initial job split
- ... working group ... die drei ... folgende ... trag zum er...
- ... respondierenden ASAM ODS Applikationsmodell konform zur openMDM® 5 Architektur und der aktuellen Geschäftsobjektdefinition...
- BMW stellt einen Komponentensatz zur Konfiguration eines rich client frontends mit den openMDM® Basisfunktionalitäten in Form zur openMDM® 5 Architektur und der aktuellen Geschäftsobjektdefinition bereit.
- Daimler stellt einen Komponentensatz zur Konfiguration eines web frontends zur Verfügung...
- Die detaillierte Beschreibung wird vorgeschrieben...
- Die Konformität zur openMDM®-Architektur muss durch die technische Arbeitsgruppe oder das entsprechende Gremium der neuen eclipse IWG bestätigt werden. Alle Komponenten sind unter der eclipse public license (EPL) zu veröffentlichen.
- Beiträge anderer potentieller openMDM® IWG-Mitglieder werden ebenfalls integriert und gegebenenfalls als beitragswertige Leistungen anerkannt.

6

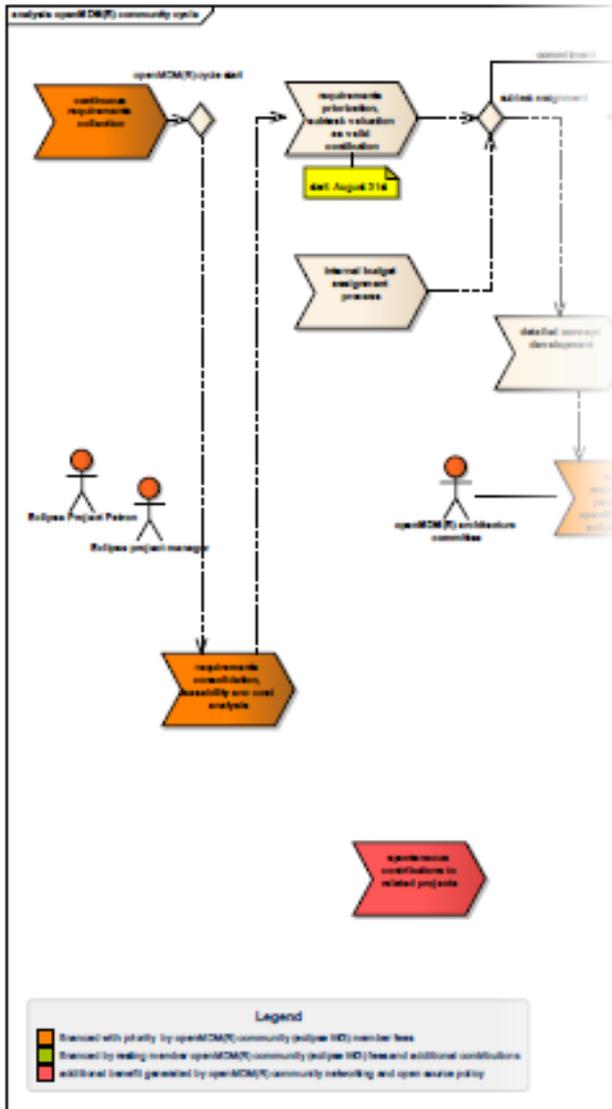
# 2.1 Toolkit overview



## 2.1 open MDM® community cycle

- The openMDM® eclipse working group never does act as an commercial entity. All commercial interactions (ordering, payments etc.) exclusively are carried out by the respective organizational units of the member companies under their full responsibility
- work within openMDM® eclipse working group committees is honorary
- work within openMDM® eclipse working group services is compensated by openMDM® eclipse working group membership fees

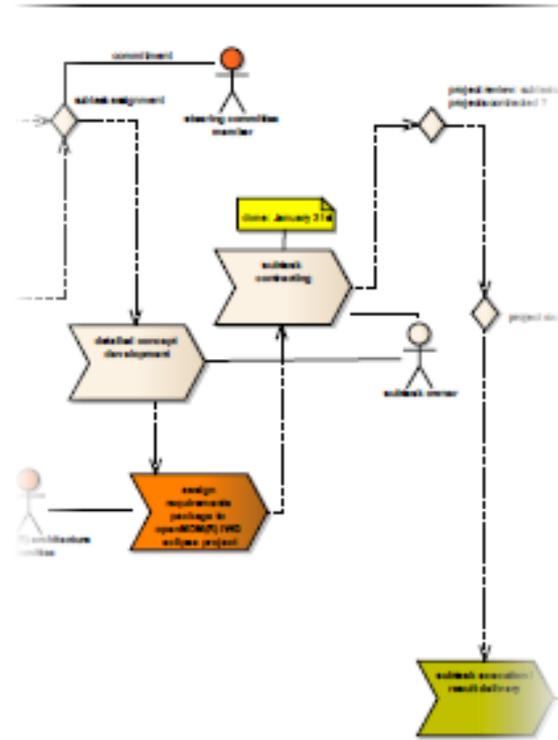
# 2.1 open MDM® community cycle



requirements collection  
 requirements consolidation  
 requirements packaging

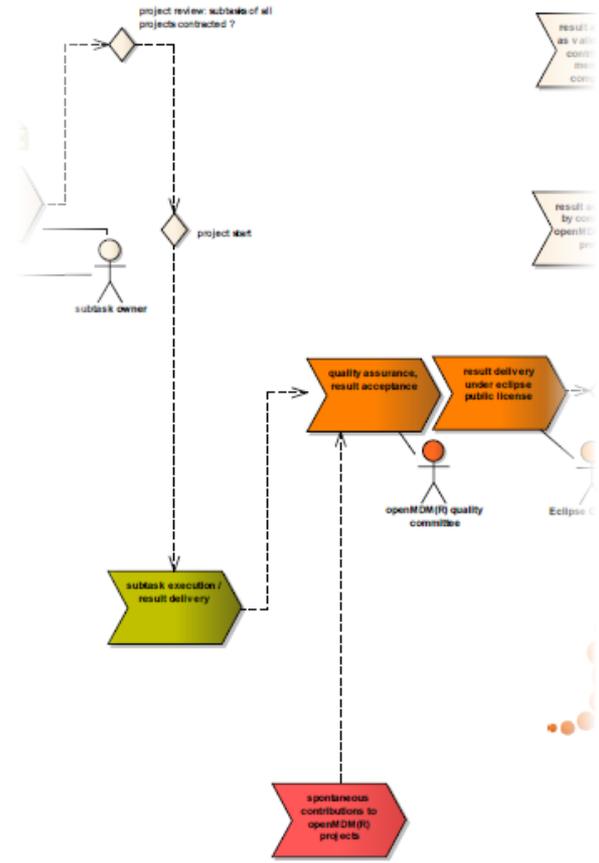
## 2.1 open MDM® community cycle

task assignment  
order placement



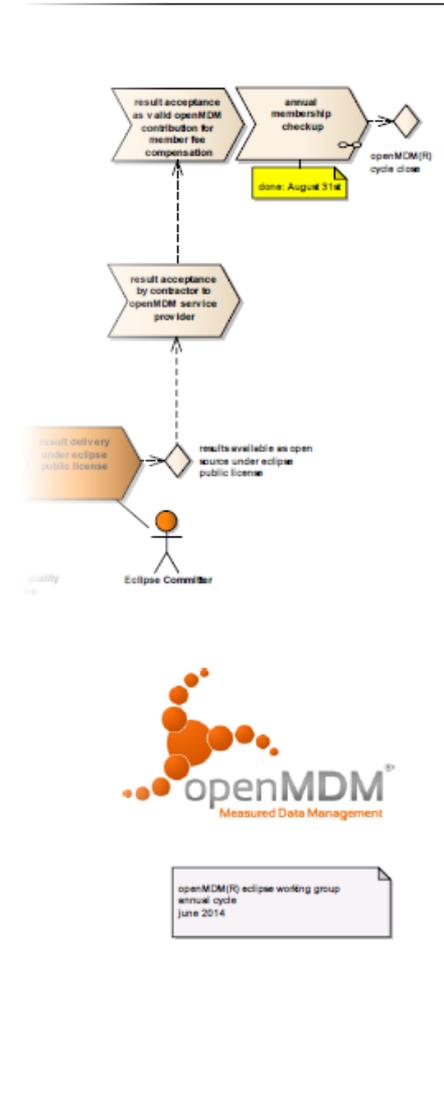
# 2.1 open MDM® community cycle

**task execution  
continuous quality assurance  
continuous delivery**



# 2.1 open MDM® community cycle

**result acceptance  
membership checkup**



## 2) One Year open MDM – EWG -> Gerwin Developing Rich and Web Client, API

- The MDM@WEB-Project was created under eclipse by Daimler and Gigatronik, supported from ICS. The WG learned, what's to do.
- BMW drives the developing of the rich client with Canoo
- Audi drives the API developing with Epos and Canoo
- First commit under eclipse environment from canoo
- - the hardest task is the creation of the API –
- First milestoneplan was generated
- New Members joined:  
Müller BBM, Piterion, iTemis, TATA, Bertrandt, ASAM, Siemens
- Workshops for interested companys: PSA, Ford, Continental, Bosch ..

## 2.2) One Year open MDM – EWG All committees started there work - AC

The greatest part of this year was to find the new architecture of open MDM 5!

Experiences of the Architecture Committee speaker: Andreas Benzing ...



Thank you Andreas,  
for your  
good work!

Decisions: OSGI; HQL ...

## 2.2) The openMDM<sup>®</sup> Architecture

openMDM<sup>®</sup> Architecture Committee

Andreas Benzing, ICS AG

## 2.2) Outline

- **The People**
  - Technik Arbeitsgruppe (TAG)
  - Architecture Committee
- The Story
- Current Status
- Conclusion



## 2.2) openMDM Technik AG (TAG)

- Members of the 'old' openMDM community
- A lot of experience with building and operating MDM systems
- Came together to shape the technical structure of the future openMDM



## 2.2) Architecture Committee

- Formal Board of the openMDM IWG
  - Comprises Driver Members and Project Leads
- Ensures the consistency of projects
  - functional
  - non-functional
  - technical
- Evaluates and defines technologies
- Establishes technical guidelines

## 2.2) Outline

- The People
- **The Story**
  - Driving Forces from openMDM<sup>®</sup> 4 Experience
  - R5 System Specification
  - Transition to Eclipse
- Current Status
- Conclusion



## 2.2) Driving Forces from openMDM<sup>®</sup> 4

- Compatibility with ASAM ODS
- Shield openMDM<sup>®</sup> business model from CORBA interfaces coming from ODS
- Integrate external data in openMDM<sup>®</sup> systems
- Read-only compatibility with openMDM<sup>®</sup> 4 data model
- Break compatibility with components built for openMDM<sup>®</sup> 4

## 2.2) R5 System Specification

- Created by the TAG starting in 2013
- Result of many years experience with MDM4
- Architecture Goals
  - Modularity
  - Assembly
  - UI Independence
  - Conformance to Specification
  - Resilience

## 2.2) Transition to Eclipse (2014)

- Mar: last openMDM general assembly
- Apr: Technik AG meets Eclipse
- May: last meeting Technik AG
- Jun: Proposal MDM@WEB
- Jul: Kick-Off Architecture Committee
  - Initially only 3 OEMs and MDM@WEB PL
- Aug: Architecture Documentation Workshop
- Sep: First MDM@WEB meeting
- Oct: Regular AC conference calls start
  - Müller-BBM joins the AC as Driving Member
- Dec: Architecture Goals Workshop

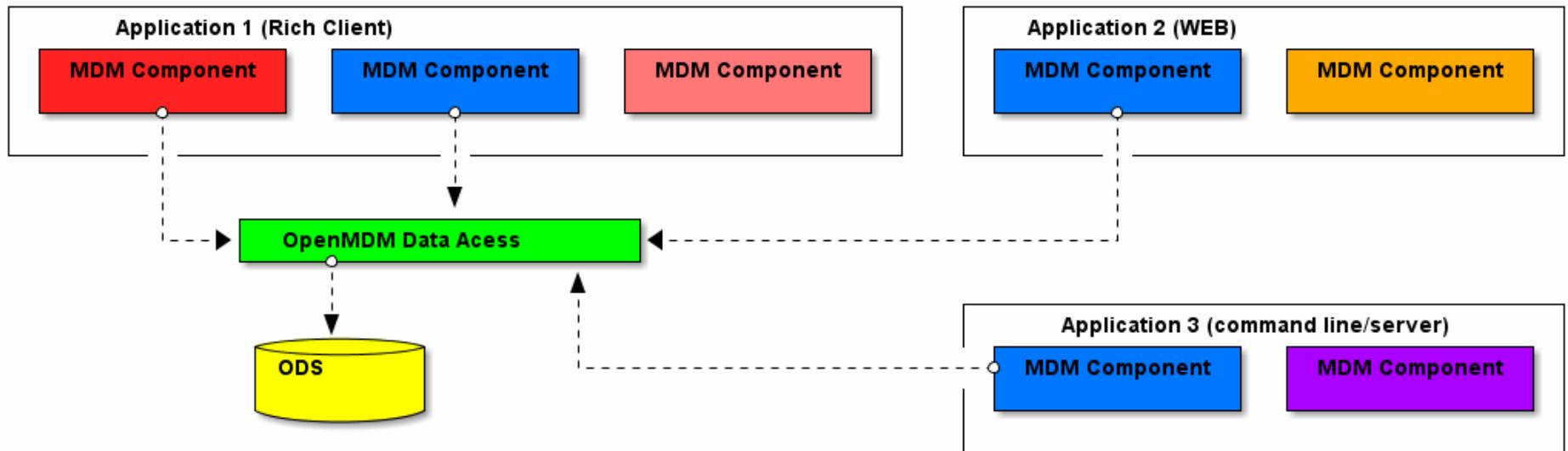
## 2.2) Transition to Eclipse (2015)

- Jan: Presentation of draft to MDM@WEB developers
- Feb: Initial commit of Eclipse repository
  - Specification Draft, Technology Evaluations, ...
- Mar-Apr: Development and regular conference calls
- May: Data Access Layer Workshop
  - Open sourcing of HQL offered for integration in openMDM
- Jun: Version 1.0.0 of core specification committed
- Jul: First presentation about current architecture spec.
  
- ... to be continued!

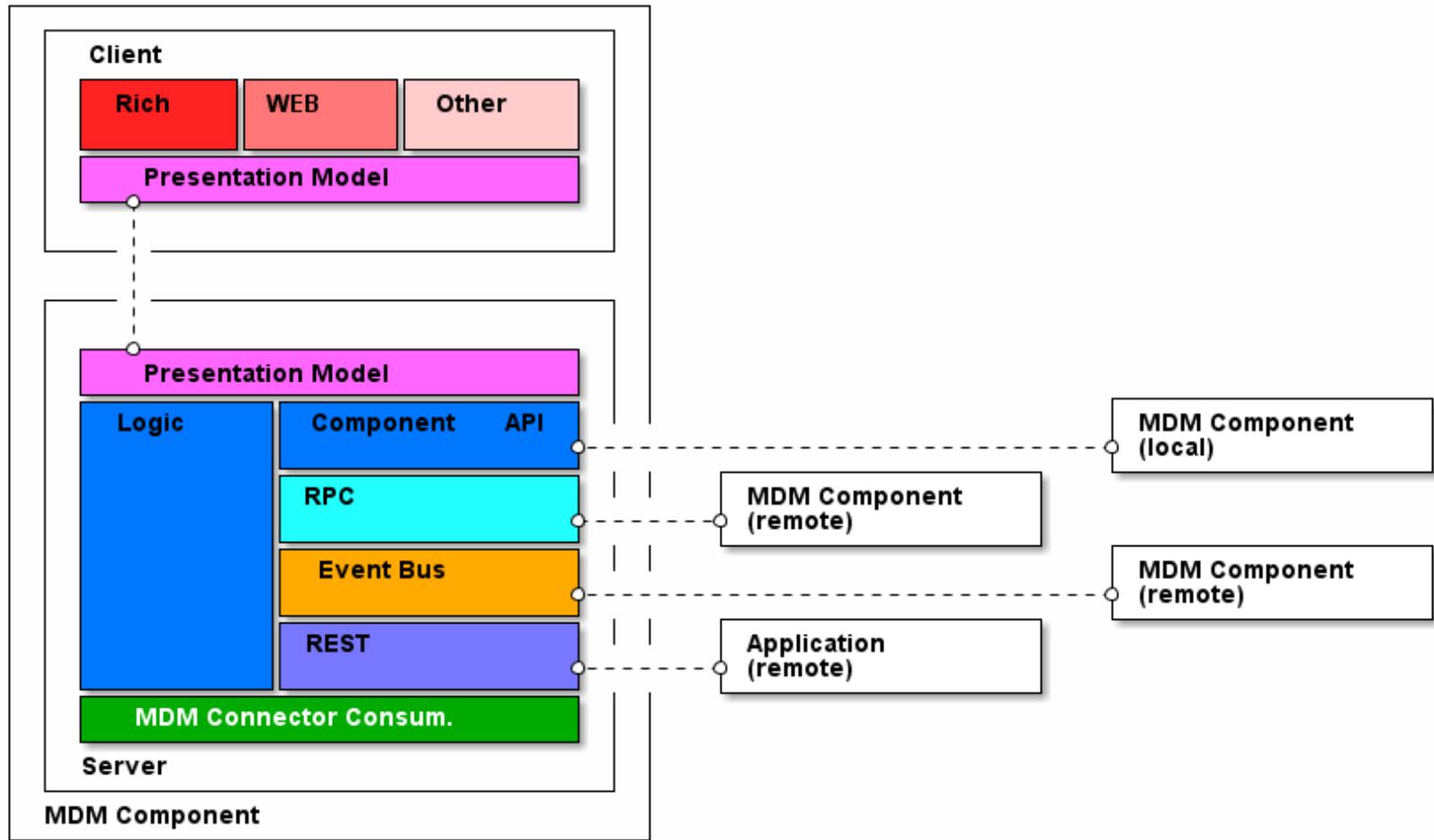
## 2.2) Outline

- The People
- The Story
- **Current Status**
  - Figures from the Architecture Specification
- Conclusion

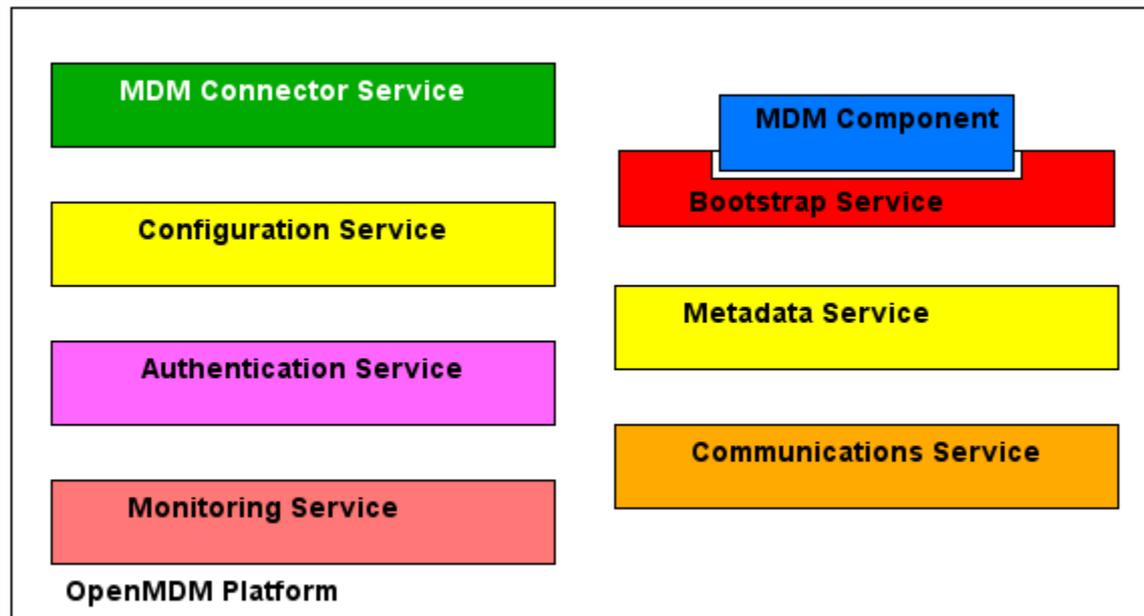
## 2.2) Applications Example



# 2.2) Structure of a Component



## 2.2) Platform Services



## 2.2) Summary

- Architecture Committee arrived at Eclipse
  - Thanks to the work done by the Technik AG!
  - Input of MDM4 experts still welcome
- Core architecture specification is available
  - Great effort by everyone who contributed!
  - Conforms to initial goals
  - Structure changed significantly from R5
- Benchmarking will require working software
  - Adjust if necessary

## 2.2) Next Steps

- Finalize Architecture Specification
  - **Data Access**
  - Technologies
- Gather feedback from implementation
  - Initial component
  - Minimal bootstrap application
- Create a basis for the QC to build on
- Start validating

**Thank You!**  
Questions?

## 2) More activities of the EWG

- What is open MDM discribed on the open MDM ® Website ✓
- Vision for the Workinggroup created: ✓
  - The goal is grouth, for better coast-sharing
- Workshops for interested companys according to the vision done ✓
  - Ford/Continental, Müller BBM, PSA, Siemens-LMS
- Serviceprozcess established: ✓
  - Website, Issiutracking, Requirements-Management completed
  - Questions of Copyrights and open Source with lawyers -
  - Product Liability clarified -
  - > no Demonstrator; because open MDM is a toolbox
- Clarification of the legal membership of German companies -
  - under US law in eclipse (problems with the place of jurisdiction)
  - status = not ready

## 2) Open-Measured-Data-Management-EWG

The Open Measured Data Management Working Group wants to foster and support an open and innovative ecosystem providing tools and systems, qualification kits and adapters for standardized and vendor independent management of measurement data in accordance with the ASAM ODS standard.

<https://wiki.eclipse.org/Open-Measured-Data-Management-WG>

„Audi“ hosted community: 2006- 2014

Transition to provision of Free & Open Source Software through Eclipse Foundation: **11. 07. 2014**

started with: 8 companies  
today: 15 companies

run first project:

- 1 step
- 2 step

second project:

- 3 step
- 4 step
- 5 step

MDM@WEB

prototype WEB Daimler

prototype Client BMW

API Audi

Architecture Plattform 5.0

Basic Components 5.0

Transfer Components 4->5



## 2) Summary

### Our EWG works!

- Members are very active (conferences, workshops)
- High dynamic in the WG work, low response time
- Committees are working now, thanks to Andreas and Michael
- open culture established
- Double the members since founding in one year!
  
- More growth with more driver member is necessary

Please advertise more driver members, so that development can be shared more.

# 3) Services

## Balance sheet for 330 days Servicecapacity

Please let us transfer 120 days, to next period.



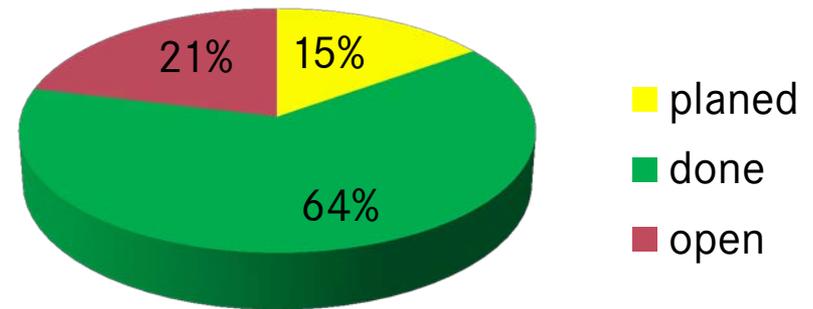
Microsoft Excel  
Worksheet

<b>Planned capacity</b>	<b>50 days</b>
Gigatronik	10 days
HighQSoft	10 days
Bertrandt	10 days
iTemis	10 days
Piterion	10 days

<b>Open capacity</b>	<b>70 days</b>
Müller BBM	60 days
TATA	10 days

<b>Done capacity</b>	<b>210 days</b>
Audi	60 days
BMW	60 days
Daimler	60 days
SuC	10 days
Canoo	10 days
PeakSolution	10 days

### Service-Capacity

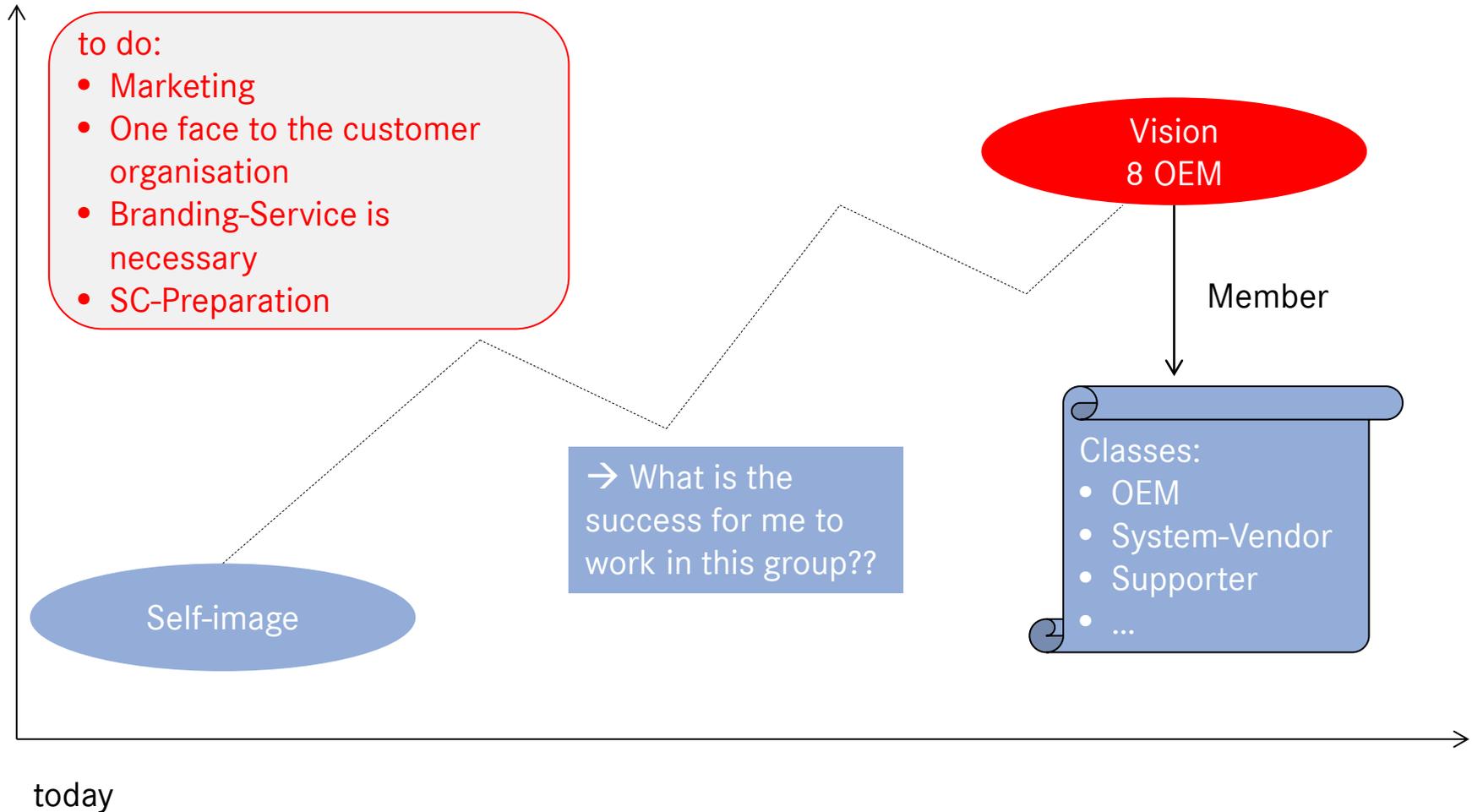


Jira will replace this Service-Excel-List

# 3) EWG Service Planing (Next year in Jira)

eclipse Open-Measured-Data-Management-WG - Services		Company that delivers to community													?	?
		Summe	Audi	BMW	Daimler	Müller BBM	Gigatronik	S+C	PeakSolution	Canoo	HighQ	Bertrandt	itemis	TATA	Piterion	
Cycle 01.09.2015 until 31.8.2016		190	60	60	60						10					
Cycle 01.09.2014 until 31.08.2015		260	60	60	60	0	10	10	10	10	10	10	10	0	10	
<b>Service-No.    Headline - Plan</b>		<b>330</b>	60	60	60	60	10	10	10	10	10	10	10	10	10	
S1	open MDM® 5 architecture specification is released and available (architectural concept including high level requirements from charter are available)	60														
S2	open MDM® 5 quality guidelines are released and available (Q- criteria are available)			x												
S3	openMDM@WEB 1.0 client available			60												
S4	Integration environment is for Eclipse WG available												10			
S7	openMDM® 5 API specification available		x													
S8	openMDM® 5 API implementation available		60													
S9	openMDM® 5 Rich Client available			60												
S10	Architecture service is available for compliance testing															
S11	Quality service is available for quality testing															
S12	openMDM Product Management including requirements management for all openMDM® projects und support for the steering committee									15						
S13	anceled															
S14	Issue tracking system is available						10									
S15	Support Steering Committee															
S16	openMDM® API architecture compliance check															
S17	openMDM® API quality check															
S18	openMDM® rich client architecture compliance check															
S19	openMDM® rich client quality check															
S20	openMDM® web client architecture compliance check															
S21	openMDM® web client quality check															
S22	openMDM® public web site is available							10								
S23	openMDM® Architecture Review						10									
S24	Configurable webdav (read) access to openMDM® hosted data		1													
S25	Test des Peak-ODS-Servers in open MDM 5		1													
S26	Beauftragungsprozess eines Messdienstleisters mit MDM 5												10			
S27	HQL										10					
S28	Messstellen ATFX-Geometrie														10	
S29	Messgrößen definieren Josef, Gerwin															

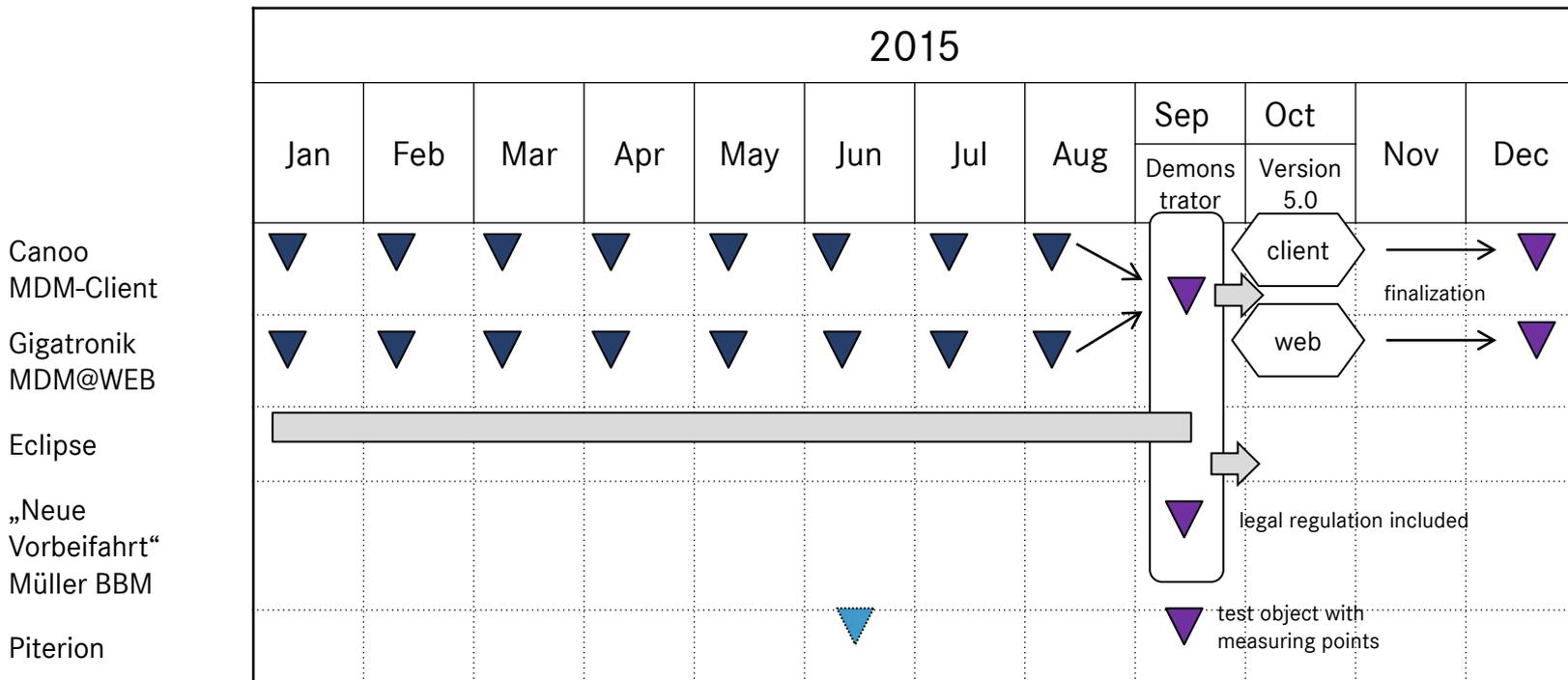
### 3) Vision



# 3) Milestones 2015

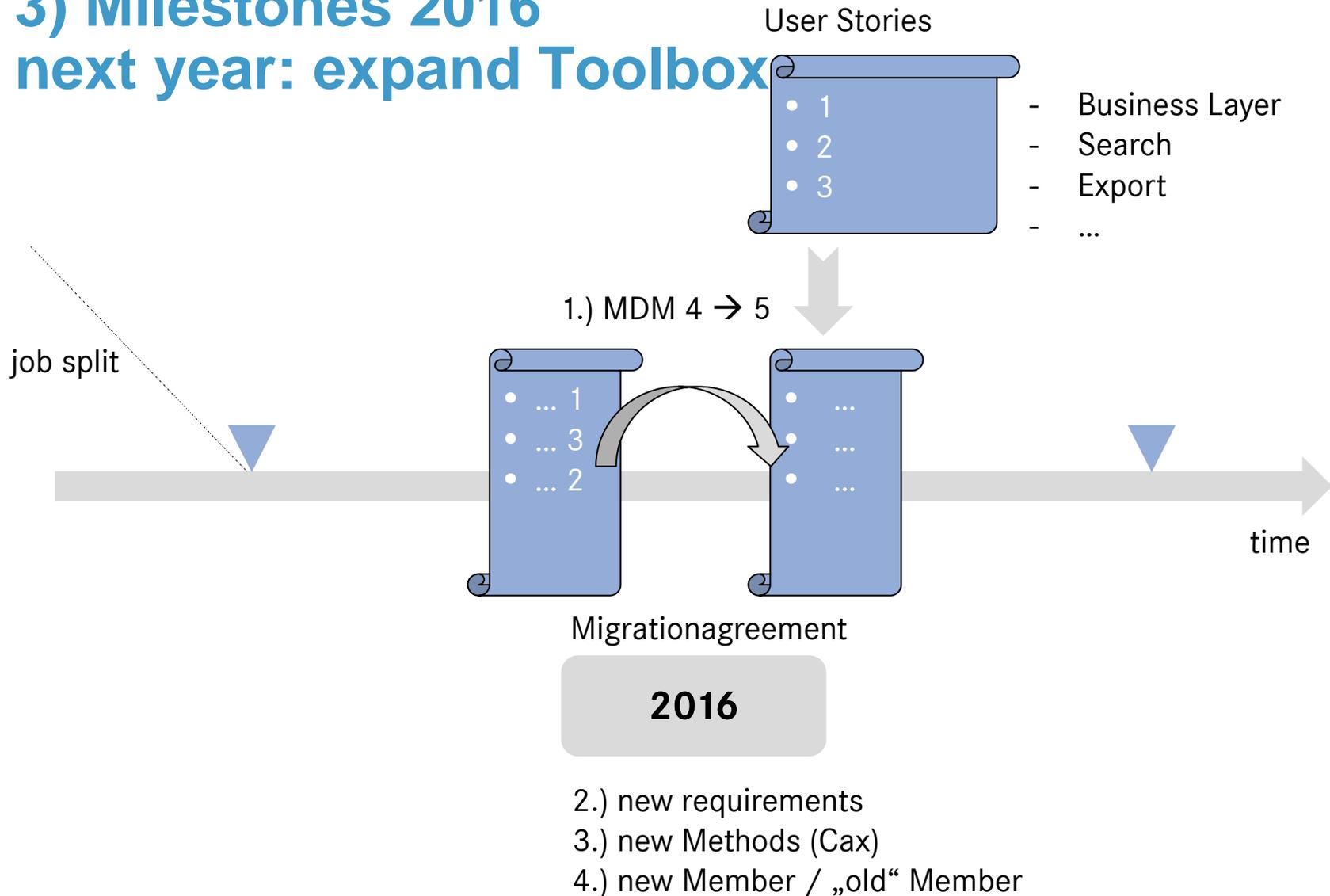
## This year is to create Basic MDM 5.0 Toolbox

Milestones 2015 – Project Planning MDM@WEB



- module (every fourth week) ▼
- milestone ▼
- concept version ▼
- from demonstrator to version 1.0 →

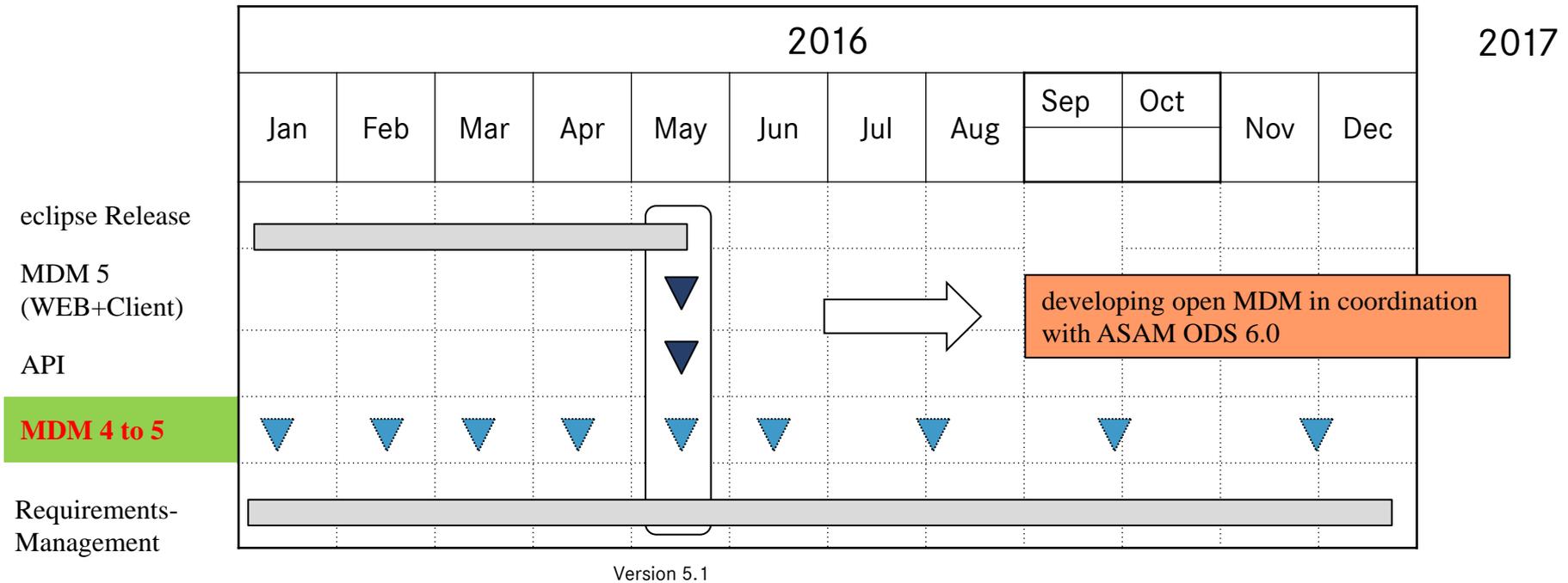
# 3) Milestones 2016 next year: expand Toolbox



# 3) Milestones 2016

## Start Requirement- and Release-management

a 3rd Team „MDM 4 to 5“ is necessary for support of MDM 4



milestone



special prozess



# **Committee structure and elections**

## **Chapter 4, 5, 6, 7, 8, 9, A, B**

**leader of election: Sven Wittig**

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven



# openMDM<sup>®</sup> eclipse working group

General Assembly

July 7th, 2015

DAIMLER AG, Sindelfingen, Germany

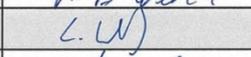
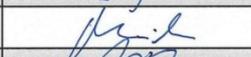
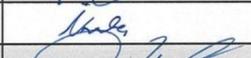
# Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

## Meeting participation



### Participation list



Company	Name	Signature
Höller BBM VTS	Jörg Kobelsberger	
Canoo	Knut-Diethrich Walter	
itemis	Lothar Wendehals	
BMW	Bleidner Ulrich	
BMW	Michael Schwerebach	
BMW	Stefan Ebeling	
Junni AG	Christian Krenn	
RigilSoft	Ralf Heiler	
S+C AG	Dietmar Rapp	
Peak Solution	Dr. Lorenz	
BERTRANDT	JOEGRUBER/HERRMANN	

July 7th, 2015

openMDM® EWG general assembly

2

July 7th, 2015

openMDM® EWG general assembly

2

# Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

## Meeting participation



### Participation list



Company	Name	Signature
ITWIS AG	Volger Krenn	<i>[Signature]</i>
ICS AG	Andreas Benzins	<i>[Signature]</i>
GIGATRONIK	Walter Gold	<i>[Signature]</i>
DITERION	Tobias Berghans	<i>[Signature]</i>
Daimler	Gerwin Mathwig	<i>[Signature]</i>
AUDI AG	Sven Wittig	<i>[Signature]</i>

With Tata Motors Ltd. voting and gremia candidates were communicated in advance by Mr. Shailesh Saraph to the steering committee chairman Mr. Gerwin Mathwig

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### openMDM® EWG membership list



AUDI AG on behalf of Volkswagen Group of America, Inc.	Driver Member
Daimler AG	Driver Member
BMW Group	Driver Member
Mueller-BBM VibroAkustik Systeme GmbH	Driver Member
HighQSoft GmbH	Application Vendor
Bertrandt AG	Service Provider
Canoo Engineering AG	Service Provider
Gigatronic GmbH	Service Provider
itemis AG	Service Provider
Peak Solutions GmbH	Service Provider
Piterion GmbH	Service Provider
Science + computing AG	Service Provider
Tata Motors Ltd.	Strategic User
ASAM e.V.	Guest

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### openMDM® EWG candidate chart



Membership Class:            service provider

As the members of the membership classes have to elect among themselves the representants in the openMDM® EWG steering and quality committees, the chart below contains the respective candidates named by the members.

Company	SC	QC
Bertrandt AG	Stefan Bogenrieder	Susann Herrmann
Canoo Engineering AG	Dr. Hans- Dirk Walter	Dr. Hans- Dirk Walter
Gigatronik GmbH	Stefan Holz	Sebastian Dirsch
itemis AG	Dr. Stefan Wendehals	n/n
Peak Solutions GmbH	Dr. Hans- Jörg Kremer	Christian Weyermann
Piterion GmbH	n/n	n/n
Science + computing AG	Dr. Dietmar Rapf	n/n

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### openMDM® EWG candidate chart



Membership Class: application vendor

As the members of the membership classes have to elect among themselves the representants in the openMDM® EWG steering and quality committees, the chart below contains the respective candidates named by the members.

Company	SC	QC
HighQSoft GmbH	Dr. Ralf Nörenberg	Dr. Ralf Nörenberg

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### openMDM® EWG candidate chart



Membership Class:            strategic user

As the members of the membership classes have to elect among themselves the representants in the openMDM® EWG steering and quality committees, the chart below contains the respective candidates named by the members.

Company	SC	QC
Tata Motors Ltd.	Sailesh Saraph	Sanjay Hande



## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### steering committee

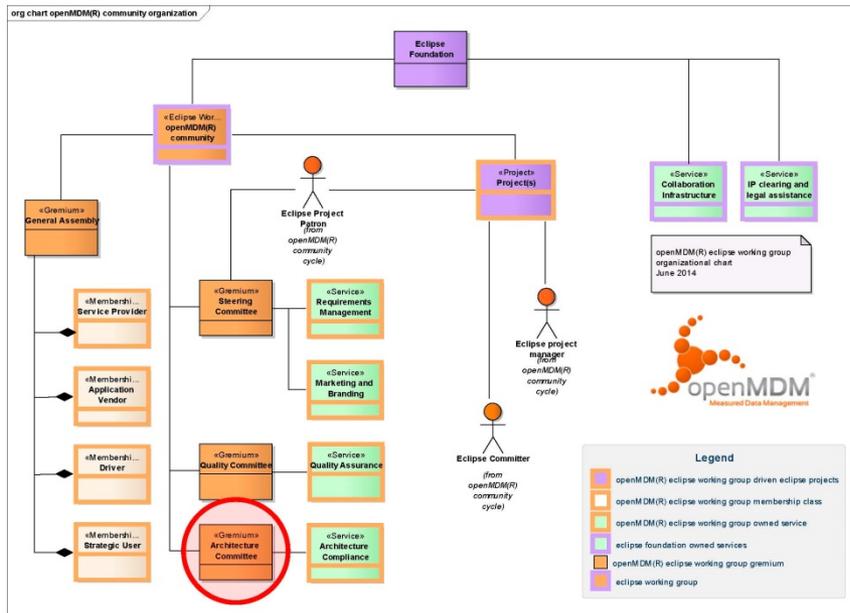


Company	membership class	steering committee
AUDI AG	Driver	Sven Wittig (triple vote)
BMW AG	Driver	Ulrich Bleicher (triple vote)
DAIMLER AG	Driver	Gerwin Mathwig (triple vote)
Mueller-BBM VibroAkustik Systeme GmbH	Driver	Josef Hobelsberger (triple vote)
HighQSoft GmbH	application vendor	Dr. Ralf Nörenberg (single vote)
Tata Motors Ltd.	strategic user	Sailesh Saraph (single vote)
Bertrandt AG Canoo Engineering AG Gigatronic GmbH itemis AG Peak Solutions GmbH Piterion GmbH Science + computing AG	service provider	Dr. Hans-Dirk Walter (single vote) Dr. Dietmar Rapf (single vote)

chairman: Gerwin Mathwig

# Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

## openMDM® boards



### Composition

Each Driver Member of the WG has a seat on the Architecture Committee.  
Each project lead has a seat on the Architecture Committee.

**Votes** (valid at votings of the gremium, not when establishing it)

Each member on the Architecture Committee has one vote.

### The Architecture committee - Powers and Duties

Architecture Committee members are required to

- Ensure the functional consistency of openMDM® projects
- Ensure the non-functional consistency of openMDM® projects
- Ensure the technical consistency of openMDM® projects
- Evaluate and define technologies to be applied
- Establish technical guidelines
- Validate new project proposals and concepts
- Establish the openMDM® architecture compliance service and ensure its availability to the openMDM® projects

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### architecture committee

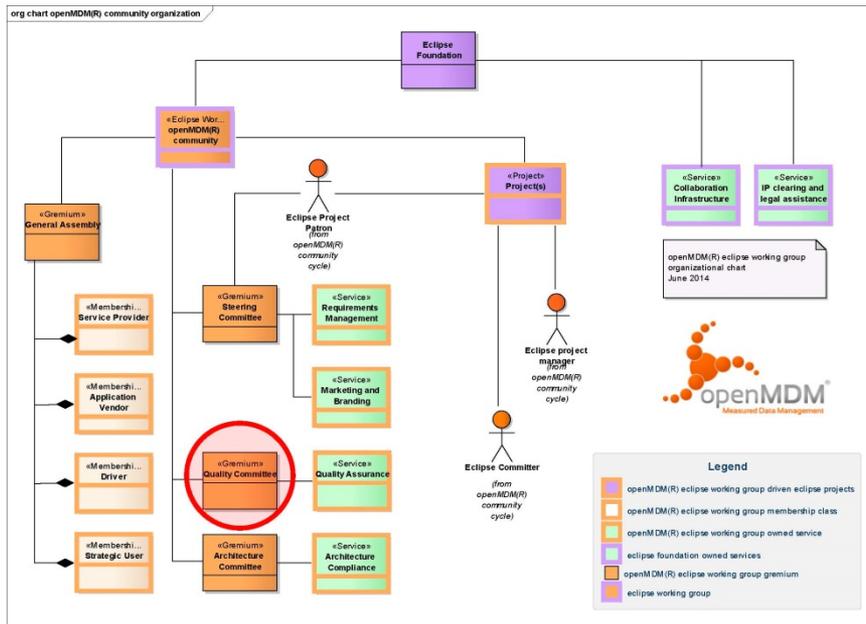


Company	membership class	architecture committee
AUDI AG	driver	Christian Rechner
BMW AG	driver	Stefan Ebeling
DAIMLER AG	driver	Andreas Benzing, ICS AG on behalf of DAIMLER AG
Mueller-BBM VibroAkustik Systeme GmbH	driver	Stefan Wartini
	Project lead MDM@WEB, MDM APPS	Gerwin Mathwig
	Project lead MDM BL	Stefan Beese (clearing of organizational issue reserved)

chairman: **Andreas Benzing**

# Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

## openMDM® boards



### The Quality Committee - Powers and Duties

The Quality Committee members are required to

- Define the WG quality kit and maturity process
- Establish and maintain the openMDM® integration environment
- Establish the openMDM® quality assurance service and ensure its availability to the openMDM® projects
- Provide in-time information to the steering committee on the maturity of the components and results delivered to the community to enable it to decide on the acceptance of a deliverable as a valid contribution
- Validate that the projects conform to the WG quality kit.
- Validate that the projects conform to the guidelines established by the architecture committee
- Validate that the projects apply the IP process

#### Composition

Each Driver member of the WG has a seat on the Quality Committee.  
 Each project lead has a seat on the Quality Committee.  
 At least one seat is allocated to each class of members different to Driver members ..

**Votes** (valid at votings of the gremium, not when establishing it)

Each member on the quality Committee has one vote.

## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

### quality committee

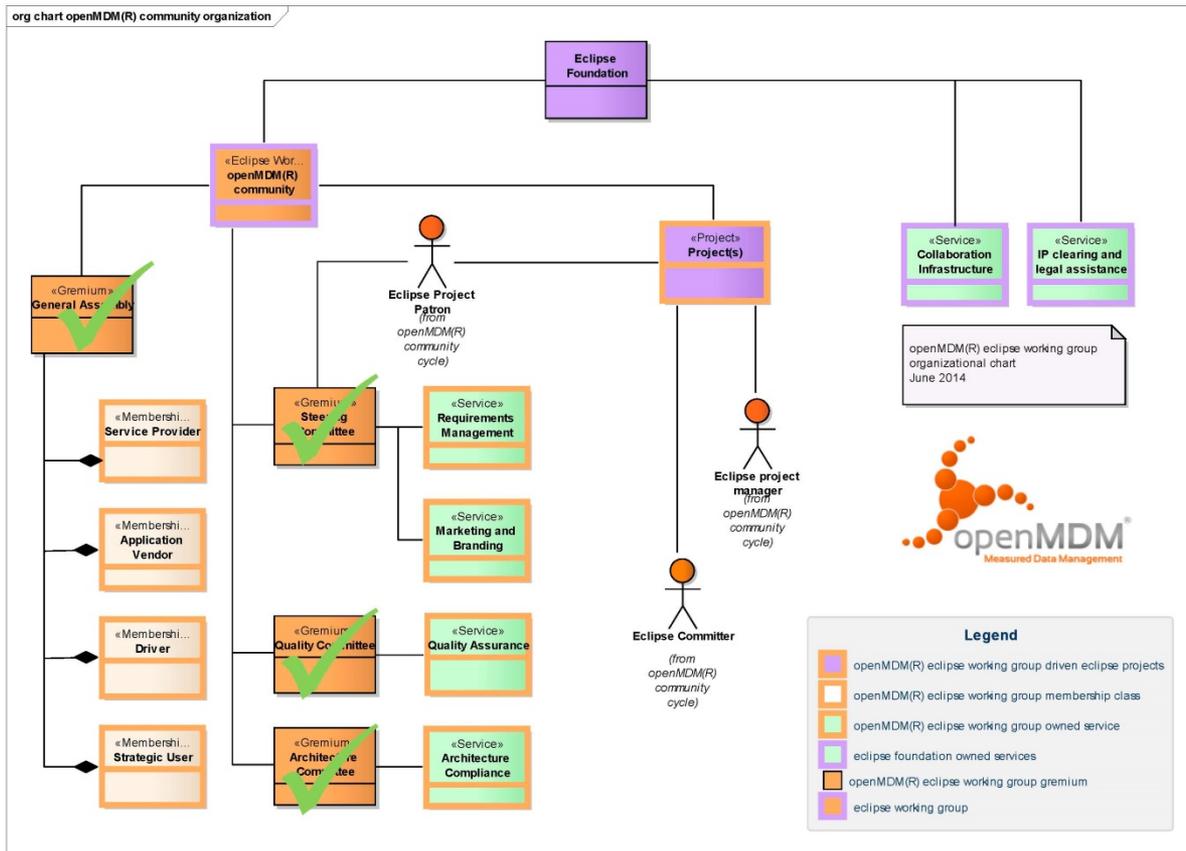


Company	membership class	quality committee
AUDI AG	driver	Dr. Thomas Schmidt
BMW AG	driver	Michael Schwarzbach
DAIMLER AG	driver	Gerwin Mathwig
Mueller-BBM VibroAkustik Systeme GmbH	driver	Christian Grobauer
HighQSoft GmbH	application vendor	Dr. Ralf Nörenberg
Tata Motors Ltd.	strategic user	Sanjay Hande
Bertrandt AG Canoo Engineering AG Gigatronic GmbH itemis AG Peak Solutions GmbH Piterion GmbH Science + computing AG	service provider	Sebastian Dirsch Susann Herrmann
	Project lead MDM@WEB, MDM APPS	Gerwin Mathwig
	Project lead MDM BL	Stefan Beese (clearing of organizational issue reserved)

chairman: Michael Schwarzbach

# Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

## openMDM® boards



## Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

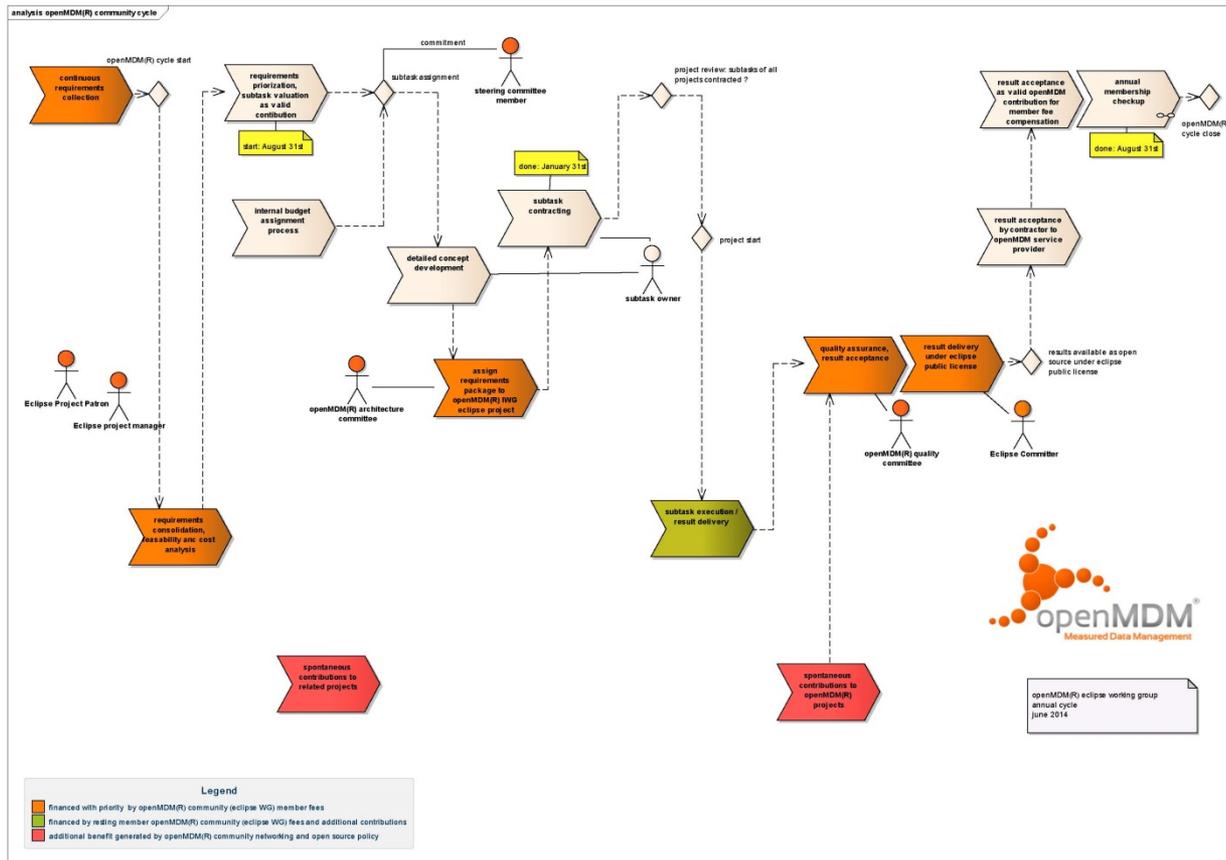
### openMDM® eclipse community cycle



- The openMDM® eclipse working group never does act as an commercial entity. All commercial interactions (ordering, payments etc.) exclusively are carried out by the respective organizational units of the member companies under their full responsibility
- work within openMDM® eclipse working group committees is honorary
- work within openMDM® eclipse working group services is compensated by openMDM® eclipse working group membership fees

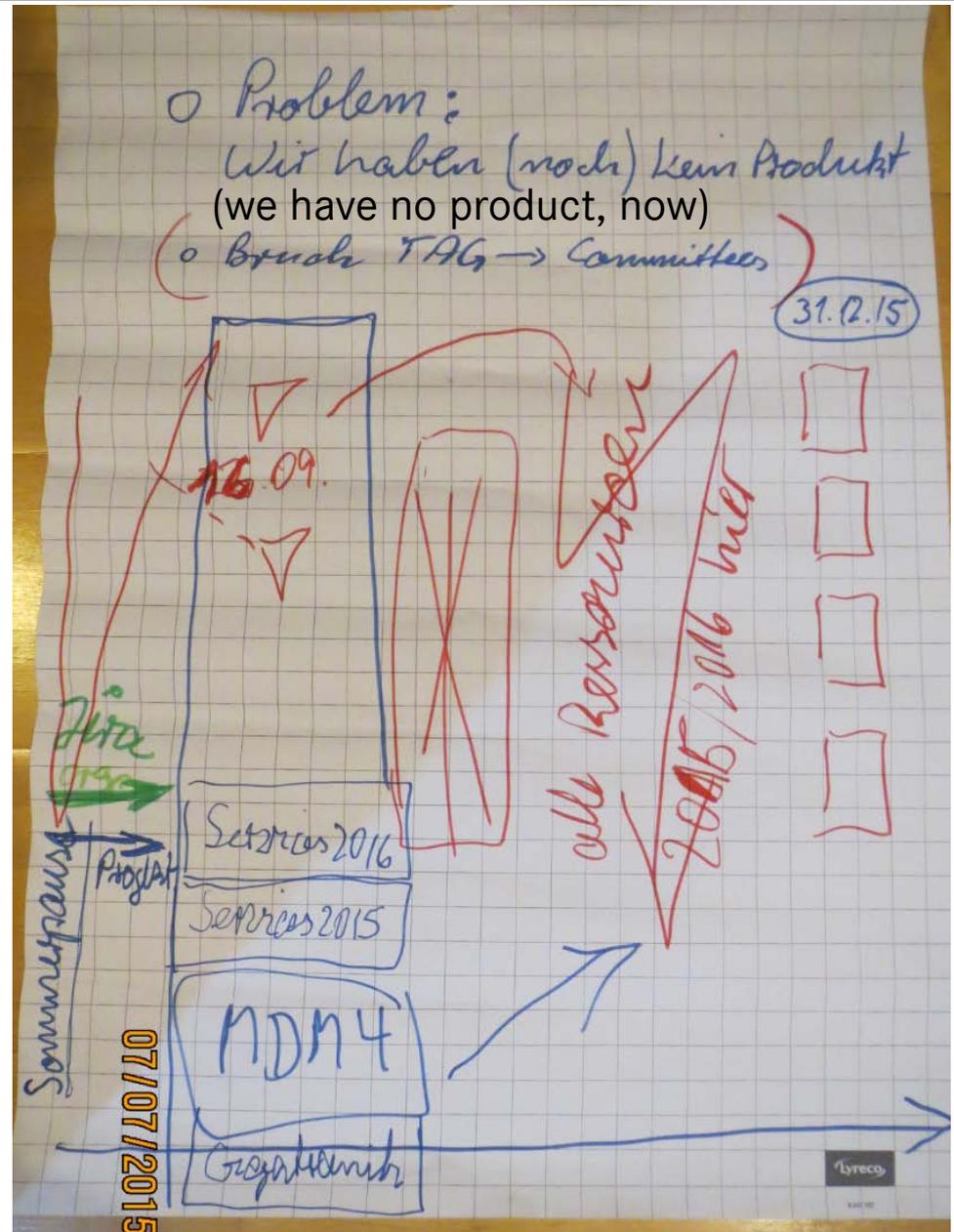
# Committee structure and elections Chapter 4, 5, 6, 7, 8, 9, A, B ->Sven

## openMDM® community cycle



## C) Communication Platform EWG

- Job split, Services, Usecases will be tracked in Jira
- Immediately the change request will be done by Audi for API.
- Sept, 16. the next SC -> end of the year plan!
- Use the summer break for reach the milestones!
- all Resources , including the new services capacity of 2015/2016 might be used



# D) End of the first year 2014/2015 from our EWG! Thank you for your work!

We start our new year,  
after the summer break.

SC: Sept. 16, 2015 Ingolstadt



*Gerwin Mathwig*