OpenMobility Working Group - Telco

September 6, 2017





Participants

- Gregor Lämmel (DLR)
- Robert Hilbrich (DLR)
- Karl Hübner (Fraunhofer)
- Marc Semrau (VW)
- Michele Segata (University of Trento)
- Robert Protzmann (Fraunhofer)
- Reiner Gaspar (Bosch)
- Ralph Müller (Eclipse Foundation)





Status: Eclipse SUMO

• Mailinglists:

- Successfully migrated to Eclipse

sumo-announce	Sumo project announcements (12 members)
sumo-dev	sumo developer discussions (20 members)
sumo-user	Sumo project User discussions (20 members)

- Wiki:
 - Will not be migrated to Eclipse Wiki (only single instance)
- SVN→Git Migration
 - In preparation;
 - Full SUMO history + tickets (issues) will be available here: https://github.com/dlr-ts
- EPL Relicensing
 - Code headers are migrated
 - Libraries and compile-time dependencies are being investigated by Eclipse
- New SUMO Release 0.31 is planned for mid September 2017





Status: Eclipse SUMO (II)

- Marketing / PR / Evangelism:
 - Eclipse SUMO: An Interview with Robert Hilbrich
 <u>https://www.eclipsecon.org/europe2017/news/eclipse-sumo-interview-robert-hilbrich</u>
 - Eclipse Newsletter "#Simulation of Urban MObility SUMO" <u>https://www.eclipse.org/community/eclipse_newsletter/2017/august/article2.php</u>
 - JAXenter "#Simulation of Urban Mobility SUMO: Key features and uses" <u>https://jaxenter.com/?p=136884&preview=1& ppp=534ef9040e</u>
 - Talk "Simulating Autonomous Vehicles and Future Mobility Concepts in Urban Areas" @ EclipseCon 2017
 <u>https://www.eclipsecon.org/europe2017/session/simulating-autonomous-vehicles-and-future-mobility concepts-urban-areas
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Status: VSimRTI

- There are still some legal issues needed to be sorted out before it can be published as open source
- Code wise: mainly refactoring / code cleanup (Smoother ns3/omnet/SUMO coupling)
- Once open source SUMO might be linked directly (avoiding socket overhead from Traci)
- Some progress on project description and bureaucracy stuff for VSimRTI Eclipse project





Status: Plexe

- Code cleanup, smoother integration w/ SUMO
- Demo application for EclipseCon is working w/ SUMO 0.30
 - Currently simple platooning
 - Might be extended with particular behavior (e.g. emergency breaking)





OpenMobility Working Group

– Mailinglist:

- openmobility@eclipse.org
- Subscribe: <u>https://dev.eclipse.org/mailman/listinfo/openmobility</u>

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ürgen: Urban Technology Alliance - an Eclipse Working Group to address the promising topic of open source technologies for smart cities



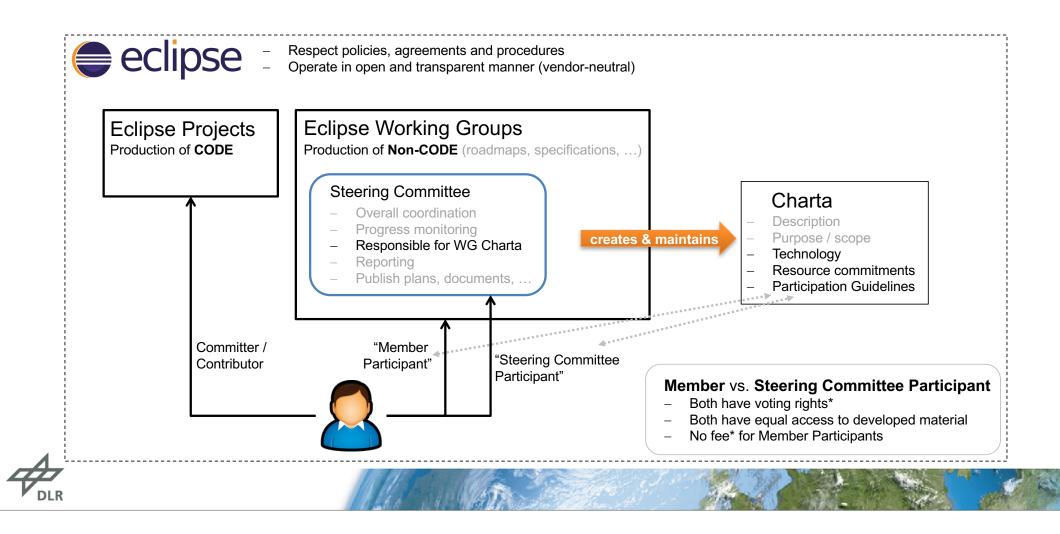
- Vision & Scope
 - Part of the meeting minutes (<u>https://wiki.eclipse.org/OpenMobilityMeetingMinutes</u>)
 - Changes? Additions?





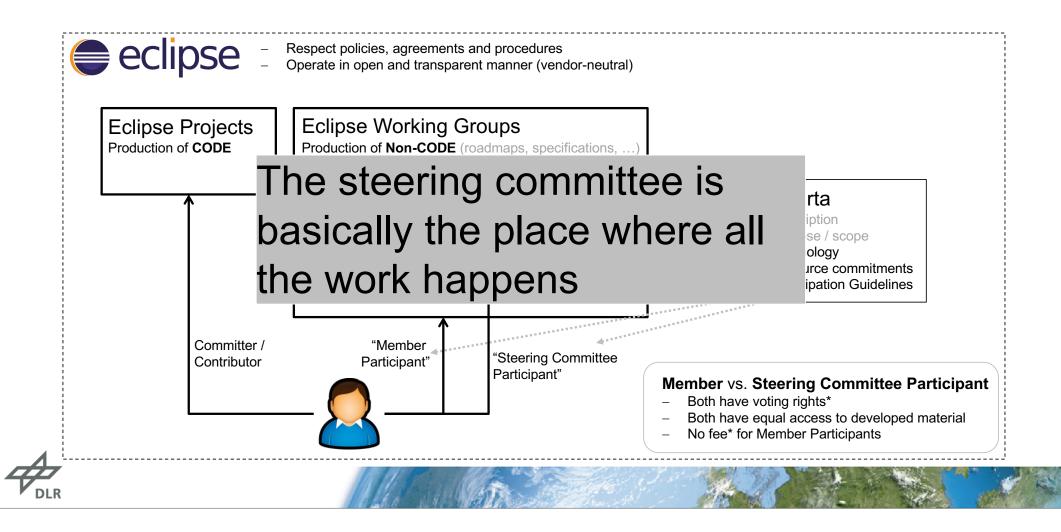
Eclipse Industry Working Group Process

https://www.eclipse.org/org/workinggroups/industry_wg_process.php



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Example 1: Eclipse IoT Working Group (Producer-Driven)

https://www.eclipse.org/org/workinggroups/iotwg_charter.php

• Goal:

- Producers want to collaborate towards a common IoT technology platform

- Participation Guidelines
 - "Steering Committee Participant"
 - Lead an Eclipse IoT Project AND
 - Contribute > 4 FTE for
 - \circ Committing code for Eclipse Projects supporting the roadmap
 - $_{\odot}$ Creation of roadmaps and technical documents for the working group
 - Community development and evangelism
 - "Member Participant"
 - Regularly participate in meetings





Example 2: PolarSys Working Group (User-Driven)

https://www.eclipse.org/org/workinggroups/polarsys_charter.php

- Goal:
 - Users want to ensure the longevity of a platform and/or influence the direction of its development
- Participation Guidelines
 - "Steering Committee Participant"
 - 20 000 USD 30 000 USD / year (depending on company turnover)
 - "Member Participant"
 - 1 500 USD 10 000 USD / year (depending on company turnover)
 - "Guest Participants" (invitation only, no voting rights)
- Steering Committee
 - Define objectives, strategy and roadmap for each year
 - Define budget and fees each year
 - Voting (2/3 majority for objectives, fees, ...):
 - 1 seat for each steering committee participant
 - 1 seat for member participants for every 5 steering committee participants



Also: Sub-Committees (Technical, Marketing,)
(Technica.)	

Discussion: OpenMobility Working Group

- Goal
 - Users want to ensure the longevity of a platform and/or influence the direction of its development
 - Producers want to collaborate towards a common simulation platform
- Participation Guidelines
 - "Steering Committee Participant"
 - XX USD / year (depending on company turnover) OR
 - Contribute XX FTE / year for
 - o Committing code for Eclipse Projects supporting the OpenMobility roadmap
 - $_{\odot}$ Creation of roadmaps and technical documents for the working group
 - Community development and evangelism
- Steering Committee
 - Define objectives and fees for each year
 - Composition similar to PolarSys?
- No sub-committees





Misc

- EPL v2.0
 - <u>https://dev.eclipse.org/mhonarc/lists/eclipse.org-members-committers/msg00504.html</u>
 - "Starting immediately, the new license will become the default license for Eclipse community projects"
- Next telco:
 - October 12, 11-12 CET via Lync



