

OpenMobility Working Group - Telco

September 6, 2017



Knowledge for Tomorrow

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
<https://www.eclipsecon.org/europe2017/news/eclipse-sumo-interview-robert-hilbrich>
- Eclipse Newsletter “#Simulation of Urban MObility – SUMO”
https://www.eclipse.org/community/eclipse_newsletter/2017/august/article2.php
- JAXenter “#Simulation of Urban Mobility – SUMO: Key features and uses”
https://jaxenter.com/?p=136884&preview=1&_ppp=534ef9040e
- Talk “Simulating Autonomous Vehicles and Future Mobility Concepts in Urban Areas” @ EclipseCon 2017
<https://www.eclipsecon.org/europe2017/session/simulating-autonomous-vehicles-and-future-mobility-concepts-urban-areas>



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: <https://dev.eclipse.org/mailman/listinfo/openmobility>

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



Levent Gürgen, PhD
Researcher, R&D Project Manager
Architecture, IC Design & Embedded Software Division
LIALP Laboratory
levent.gurgen@cea.fr

Leti, technology research institute
Commissariat à l'énergie atomique et aux énergies alternatives
T. +33 4 38 78 97 57
www.leti.fr | Leti is a member of the Carnot Institutes network



– Vision & Scope

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



Eclipse Industry Working Group Process

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



- Respect policies, agreements and procedures
- Operate in open and transparent manner (vendor-neutral)

Eclipse Projects
Production of **CODE**

Eclipse Working Groups
Production of **Non-CODE** (roadmaps, specifications, ...)

Steering Committee

- Overall coordination
- Progress monitoring
- Responsible for WG Charta
- Reporting
- Publish plans, documents, ...

creates & maintains →

Charta

- Description
- Purpose / scope
- Technology
- Resource commitments
- Participation Guidelines

Committer / Contributor

“Member Participant”

“Steering Committee Participant”



Member vs. Steering Committee Participant

- Both have voting rights*
- Both have equal access to developed material
- No fee* for Member Participants



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Eclipse Projects
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The steering committee is basically the place where all the work happens

Charter
Mission
Description / scope
Technology
Resource commitments
Participation Guidelines

Committer / Contributor

"Member Participant"

"Steering Committee Participant"



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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
 - Committing code for Eclipse Projects supporting the roadmap
 - 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, ...)



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
 - Committing code for Eclipse Projects supporting the OpenMobility roadmap
 - 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
 - <https://dev.eclipse.org/mhonarc/lists/eclipse.org-members-committers/msg00504.html>
 - “Starting immediately, the new license will become the default license for Eclipse community projects“
- Next telco:
 - October 12, 11-12 CET via Lync

