OpenADx Steering Committee Meeting

… (insert next meeting agenda here)

Steering Committee Meeting, 29.09.2020

Agenda / Meeting Minutes

Time	Topic	Result
15:30	Welcome, Agenda	
	Antitrust Policy	respect Eclipse's Anti-Trust Policy
	Introduction of new members	The Autoware Foundation
	Architecture excursion	Presentation on 29.09. by Andreas What is architecture in our context?
	39 Universities and the Indy Autonomous Challenge	Joe will present a proposal https://discourse.ros.org/t/community-feedback-default-rmw-for-ros-2-galactic/16450 ?? (Joe, did you bring this up?) Projects or activities for universities? Contact Universities to talk about OpenADx there? Contact: HS Kempten : https://www.linkedin.com/in/stefan-alexander-dr-schneider-0760671/ HS HN, DHBW Stuttgart, ... https://www.fkfs-veranstaltungen.de/20-internationales-stuttgarter-symposium
	Steering Committee composition	Composition (see: https://wiki.eclipse.org/OpenADx#Steering_Committee_2020.2F2021) Proposal: SC Meeting will continue with ALL members, for decisions, only elected SC members

		will have a vote Option: SC meeting and SC meeting extended
	OpenADx Timeline / Program Plan	Link to Program Plan https://docs.google.com/document/d/16tVPPZ_IBtW2iEPTz9t2I4UBVvWrQd5DUMK1MNbZYm0/edit#heading=h.i7aolfmhzyhr Meetings scheduled for 05.10. and 14.10.
	openMDM meets OpenADx	Collection of Use Cases - how to handle? Soheila will share the provided document, we should setup a further meeting with some openMDM colleagues for more insights in openMDM to fill the doc uploaded in tuleap: https://tuleap.eclipse.org/plugins/document/openadx-wg-private/ Ask demonstrator team, if we should invite openMDM people to bring the demonstrator forward. First we should have the first architecture ready, before we include openMDM, but it makes sense to do that.

	Eclipse Cyclone DDS	Add your logo to show support for open source
		
		1. OpenADx Eclipse Cyclone DDS project is now Autoware Foundation's default for autonomous driving development.
		   a. Is built-in and the default for the "Autoware Dev Env" docker used by all developers.
		   b. Iceoryx is being built into cyclonedds which means Iceoryx zero-copy will be default.
		2. Open Robotics and ROS 2 TSC decided to evaluate for ROS 2 default with decision before the end of November.
		   a. ROS 2 Middleware WG is leading the selection of evaluation criteria
		   b. MW WG needs testimonials with with details from users.
		   c. MW WWG will produce a report for Open Robotics & the ROS 2 TSC
		   d. Open Robotics & ROS 2 TSC will make the decision

		3.
		Autoware autonomous driving for Open Robotics ROS ● OpenADx's Tier 1 ROS middleware now passes green for all Autoware CI tests ● Autoware SW WG is recommending to Autoware TSC that it be Autoware's default. Autoware TSC meets July 15th. ● Autoware is joining OpenADx ● optimizations with Autoware, Box Robotics, Robotec.ai, Ouster improved out of the box loopback throughput using defaults by 2.4x to 11Gbs on 2019 Macbook Pro eclipse-cyclonedds/cyclonedds/pull/558 OpenADx AD middleware cyclonedds+iceoryx: ● **architecture A** - cyclonedds with built-in iceoryx zero-copy shared memory work in progress eclipse-cyclonedds/cyclonedds/pull/462 ● **architecture B** - iceoryx with cyclonedds gateway for open source AUTOSAR Adaptive middleware stack. 1st release, 2nd is coming eclipse/iceoryx/tree/master/iceoryx_dds New adopters: ● Arm adopted and is looking at contributing DDS Security TrustZone support, performance profiling & optimization, FuSa ● Robotec.ai adopted and is testing Autoware LiDAR point cloud optimizations. Got >2x improvement from 4.5Gbs to 11Gbs on 2019 Macbook Pro. ● additional announcements coming soon old business: ● Open Robotics ROS 2 Foxy Fitzroy released June 5th with Eclipse Cyclone DDS Tier 1 ROS middleware. NOTE: ROS 264M downloads this past year ● Highlighted in AWS RoboMaker blog https://aws.amazon.com/blogs/robotics/ros-2-foxy-fitzroy-robot-development/ ● https://blogs.eclipse.org/post/frédéric-desbiens

		/robotic-dream-team-ros-2-and-cyclone-dds ● Open Robotics will evaluate making it the default. Update Foxy via rolling update if so. ● US DOT CARMA with SUMO + OpenADX CycloneDDS … getting much interest in "collaborative driving" V2V, V2X with OpenADx tech
	Open topics	tuleap.eclipse.org/projects/openadx-wg-private Please work on the open topics!
	EclipseCon 2020	Community Day preparation
	Demonstrator	tuleap.eclipse.org/plugins/tracker/?aid=1246 Demonstrator talks are continued -> KickOff about to be starting in a few days. Autoware demonstrator vehicle (Lexus) running Cyclone DDS How can we bring OpenADx Demonstrator and Autoware together? Joint Strategy for ROS and Autoware with OpenADx (an example: diyrobocars)
	OpenADx Whitepaper	Should we start working on an update? Decision on, if we continue on extension of the whitepaper.
	Lead Management	"OEMs" or "AV makers"? focus on fast movers tuleap.eclipse.org/plugins/tracker/?aid=1236
	Upcoming events e.g. overall meetings, meeting at some conferences	● ~~June~~, San Jose - Autonomous Valet Parking (AVP) Lexus SUV running Autoware.auto + OpenADx Eclipse Cyclone DDS in ~~June~~, San Jose. autoware.org click "members", coordinate some press / social. -> date shifted to later this year ● show your support iot.eclipse.org/adopters ● Autonomous Software and System Symposium, ~~16-18 June 2020~~, Stuttgart -> shifted to June 8 - 10, 2021 https://www.autonomousvehicletechnologyexpo.com/en/ ● Open Robotics ROScon 2020 -> 2021 delayed, will have a virtual event in fall instead

	Feedback from conferences	
	Projects / Project Proposals	Current state OpenMCx
	Next steps	
	Next meeting dates	
17:00	End	

Participants

Name	Company	Participation?
Joe Speed	ADLINK Technology	x
Josko	AVL List	
Simon	AVL List	x
Adam	DENSO Corporation	x
Soheila	DENSO Corporation	x
Naci	eteration	
Philip	EclipseSource	
Andreas	itemis	
Michael	JCIM	x
Robert	Microsoft	
Wolfram	Red Hat	x
Andy	Robert Bosch GmbH	x
Dominik	Science+	x
Robin	Siemens	x
Paul	Eclipse Foundation	x