ASAM e.V.
OpenLABEL Webinar

Nicco Dillmann
ASAM e.V.

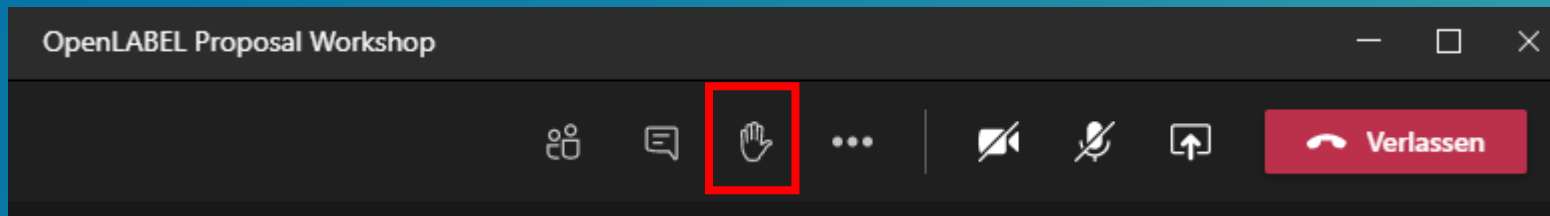09.06.2021
Online

ASAM Association for Standardization of Automation and Measuring Systems

Agenda

Time	Topic	Presenter
1:00 PM	Welcome & Brief Introduction to ASAM	Nicco Dillmann
1:15 PM	ASAM OpenLABEL - An Overview on Concept and Solutions	Nico Croce
1:30 PM	Scenario Tagging	Jason Zhang
1:45 PM	Object and Scene Labeling	Tim Rädsch
2:05 PM	ASAM OpenLABEL Format	Marcos Nieto
2:35 PM	Break	
2:50 PM	Demo of SafetyPool Usecase for Scenario Tagging	Nico Croce
3:05 PM	Demo of How to label with OpenLABEL	Marcos Nieto
3:20 PM	Q&A Session	All
4:00 PM	End of Meeting	

ASAM

We will record the workshop and publish the recoding on the ASAM Website

Please raise your hand if you do not want to be recorded.

Organizational Remarks

This meeting is a public meeting. It is NOT restricted to only ASAM members. Antitrust Rules apply.

Recording of this Teams Meeting

It is prohibited According to the General Data Protection Regulation (GDPR), in effect since May 25, 2018, all concerned people must be informed comprehensively in accordance with Art. 13 DSGVO if data of the people are processed (collected, saved, forwarded, deleted, etc.). This includes photos as well as audio and video recordings (independent of location and time of the recording). The participants have not given their written consent for recordings. It is therefore prohibited by European law for any participant or other party to record this livestream. You will find the presentations as well as the meeting minutes on the ASAM Website after the event.

Thank you!
ASAM e.V.

ASAM

Who we are and what we do

- **Non-profit standardization organization** within the Automotive Industry

- Focus on **implementation level standards** (rather than the process level standards of e.g. ISO/SAE)

- ASAM standards are **recommendations**, they do not have an impact on regulatory framework

- **Open, non-competitive** standard development groups

- **Membership driven** standardization projects

◇ ASAM

ASAM Membership

Around 350 Member Organizations Develop and Apply ASAM Standards

Status: Feb 2021

ASAM Office

The ASAM Team "At Your Disposal" – At Any Time

Peter Voss
Managing Director
Phone: +49 170 9104720
Email: pv@asam.net

Dr. Klaus Estenfeld
Executive Advisor
Phone: +49 151 64631204
Email: ke@asam.net

Magdalena Weintritt
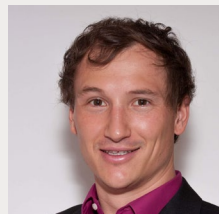Management Assistant
Phone: +49 1709210718
Email: mw@asam.net

Dorothée Bassermann
Marketing Manager
Phone: +49 151 64412188
Email: db@asam.net

ASAM Japan G.K.

Yoshiaki Shoi
Representative in Japan
Phone: +81 (0)3-6721-8503
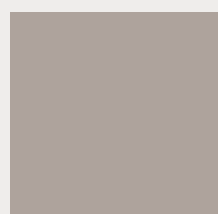Email: ys@asam.net

Stefan Cyliax
Global Technology Manager
Phone: +49 170 9213579
Email: sc@asam.net

Nicco Dillmann
Global Technology Manager
Phone: +49 160 99218048
Email: nd@asam.net

Office Chemnitz

Ben Engel
Global Technology Manager
Phone: +49 151 61645936
Email: be@asam.net

Christian Gödert
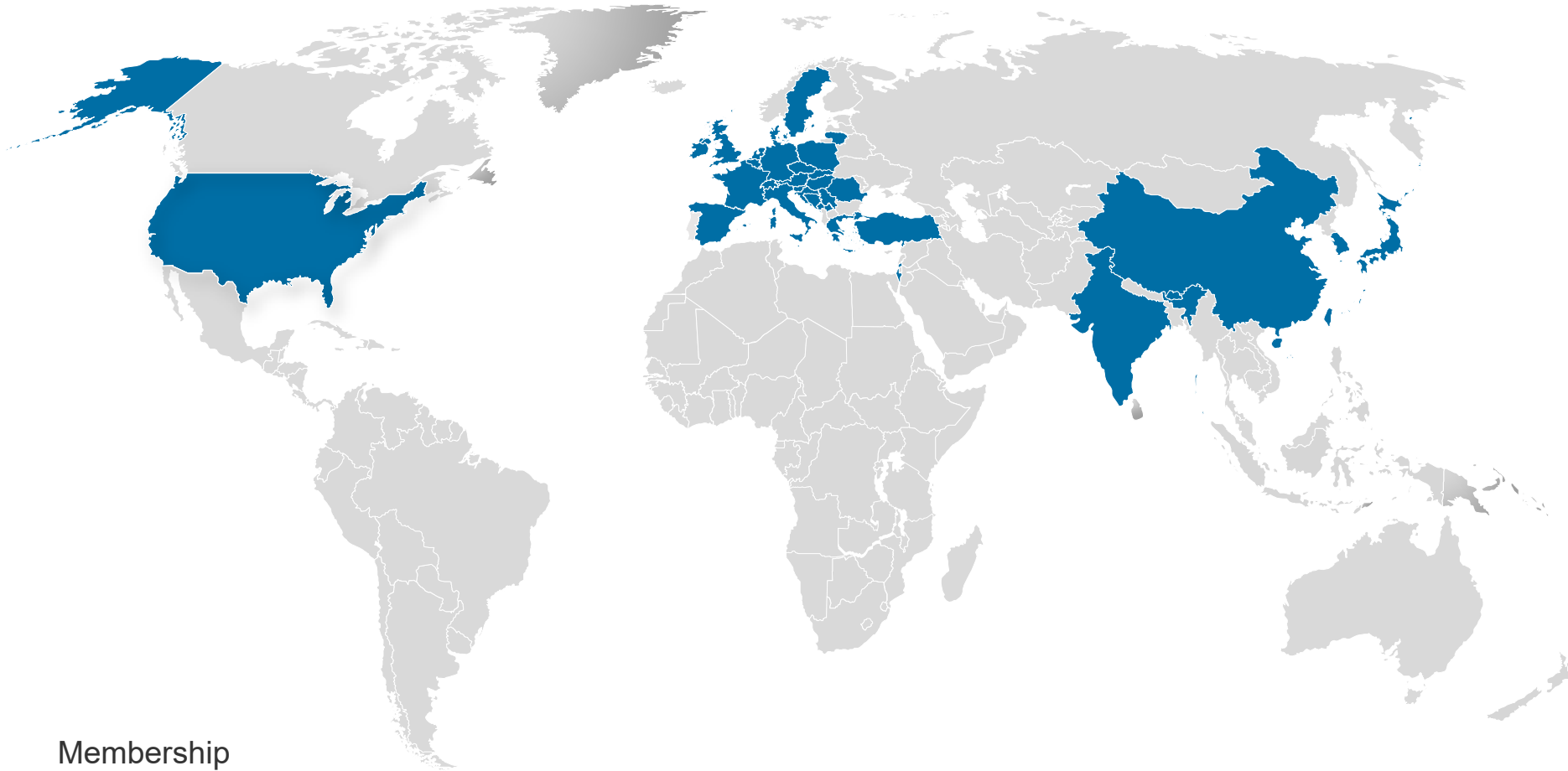Technical Writer
Phone: +49 170 9210750
Email: cg@asam.net

Bernd Wenzel
Senior Technical Consultant
Phone: +49 371 5607742
Email: bw@asam.net

ASAM

ASAM – An International Organization!

ASAM Has Grown Strongly in Japan, China and USA

Membership
Revenue: 12,7 %   53,1 %   34,2 %

ASAM

ASAM Standards Portfolio

ASAM is currently active in 7 domains

Simulation

OpenCRG	OpenDRIVE	OpenSCENARIO
OSI		

Data Management & Analysis

CEA	ODS

Test Automation

ACI	ASAP 3	ATX	GDI	iLinkRT
MCD-3 MC	XIL	OTX Extensions		

Measurement & Calibration

ARTI	CDF	CPX	HMS
MCD-1 CCP / XCP		MCD-1 POD	
MCD-2 MC	MCD-2 CERP		MDF

Diagnostics

MCD-2 D	MCD-3 D

ECU Networks

MCD-2 NET

Software Development

CC	FSX	ISSUE	LXF	MBFS	MDX

https://www.asam.net/standards/

ASAM

ASAM Development

From the First Idea to the Publication of a Standard

Member Initiatives
Study Groups
Concept Projects
Market Surveys, …

Publication of
the Standard

IDEATION

PROPOSAL &
ENROLLMENT

DEVELOPMENT

REVIEW

RELEASE

Proposal Workshop
Decision by the TSC

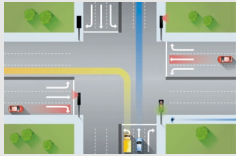Public Draft Review
Feeback Processing

Release Decision

Guiding Principles:

- Member-driven
  Initiatives and decisions are taken by the member companies.

- Open exchange
  ASAM requests open exchange among all stakeholders.

- Domain expertise
  ASAM has a global network of domain experts to develop standards

- Flexible processes
  ASAM has lean yet flexible process structures leading to short development times

- Project support
  Experienced Technology Managers support the working groups

ASAM

ASAM OpenX Overview

Current and Futur Standards Portfolio in the Domain Simulation

ASAM OpenSCENARIO
→ Dynamic scene description
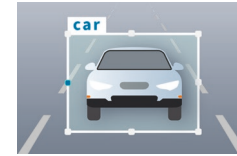
ASAM OpenDRIVE
→ Static road network

ASAM OpenCRG
→ Detailed road surface description

ASAM OSI
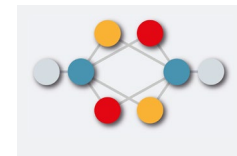→ Generic interface between sensor models & ground truth

ASAM OpenLABEL
→ Object and scneario labeling format

ASAM OpenODD
→ ODD description format

ASAM OpenXOntology
→ Extendable domain ontology for OpenX

Break until 2:40 PM (CET)

Name
Position

Phone: +49
Email:

ASAM