ASAM OSI 4.0 Proposal Workshop - Focus: FlatBuffers and Performance

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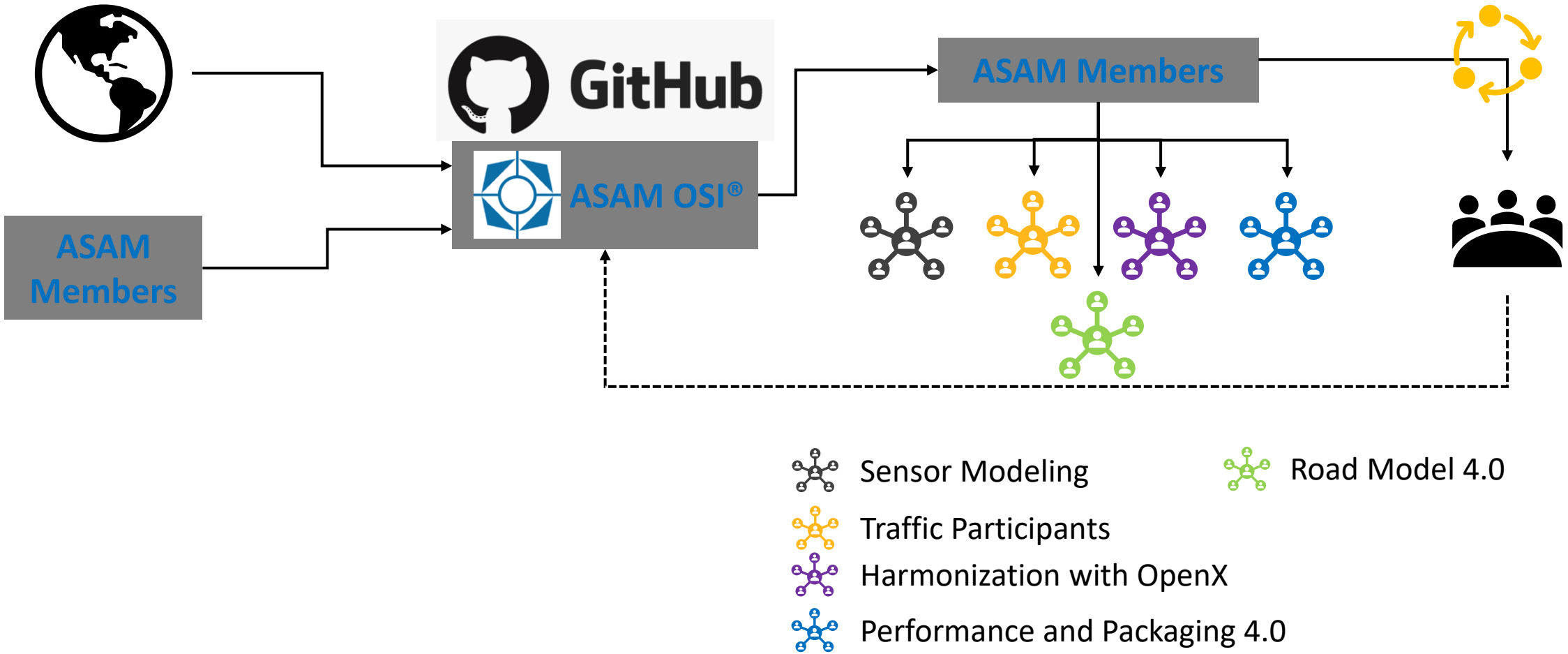
Agenda

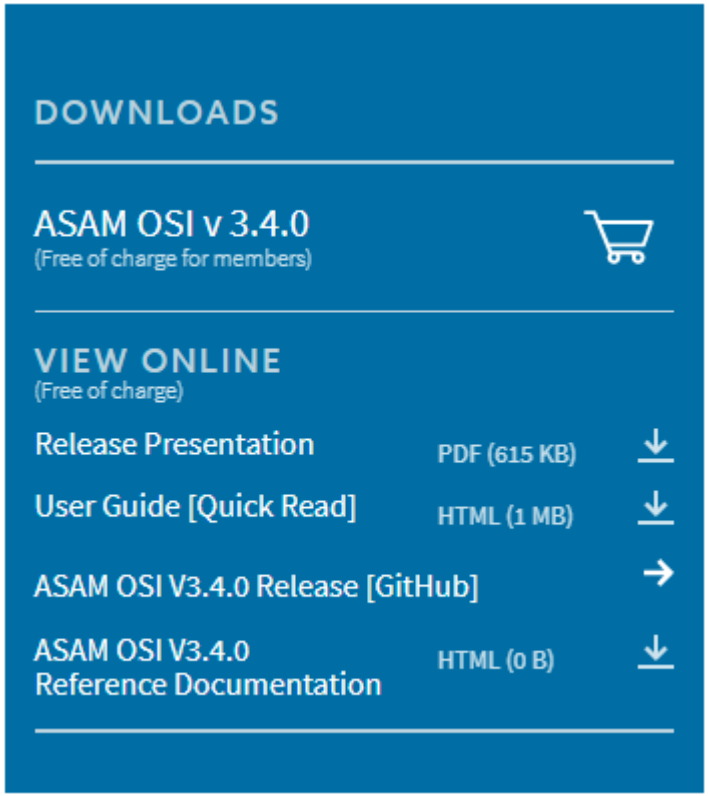
1. ~~Welcome – Stefan Cyliax~~
2. ~~Introduction to ASAM OpenX – Stefan Cyliax~~
3. Current Developments (OSI 3.5) – Dr. Kmeid Saad
4. Toward ASAM OSI 4.0 – Dr. Kmeid Saad
   - SensorView/Environment Conditions etc..
   - Performance/FlatBuffers/RoadMdel – Pierre Mai (PMSF)
5. OSI Performance and FlatBuffers – Philipp and Clemens (Persival)

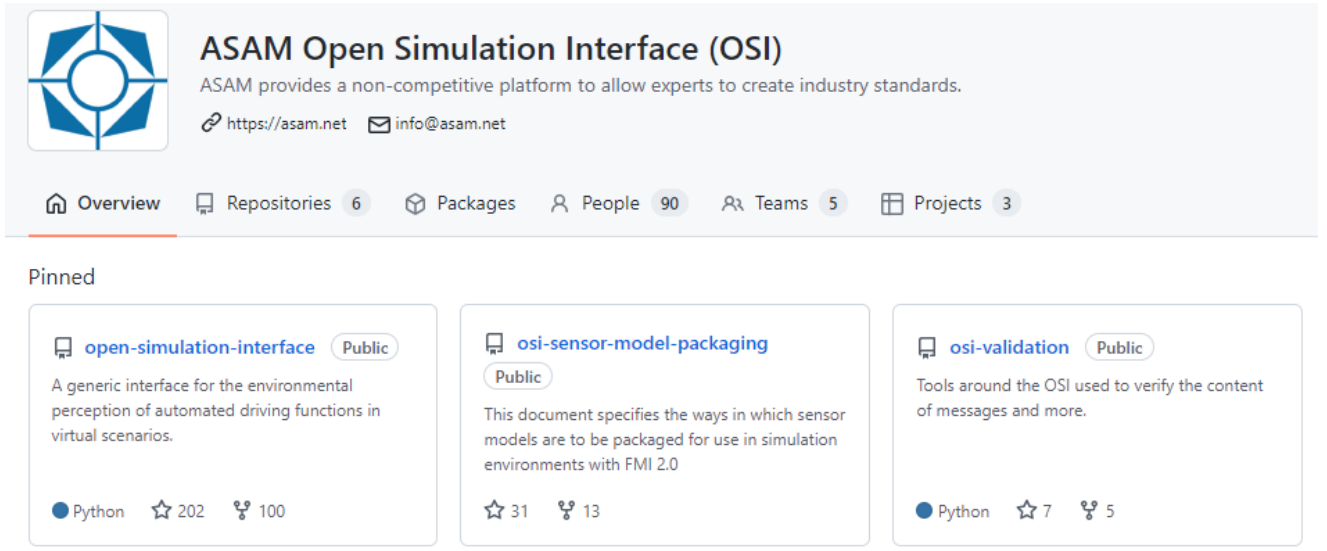
ASAM OSI – Working Model



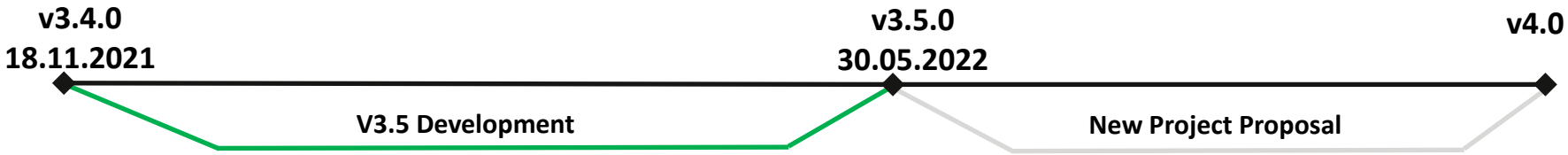
ASAM – OSI

- https://www.asam.net/standards/detail/osi/
- https://github.com/OpenSimulationInterface/open-simulation-interface





ASAM OSI – v3.5 & v4.0



- v3.5.0 to cover the following pull requests (non-backward compatible pull requests need to be shifted to v4.0):
  - Feature/groundtruth configuration message #581
  - Added Timestamp for each Moving Object. #546
  - WIP: introducing mesh approach for modelling road surface #574
  - WIP: Introduce PedestrianClassification #498
  - Feature/tp/had output #452
  - Add Longitudinal Rotation of Lane Boundaries #436
  - Proposal/recommendation of actions and features to be considered for v4.0.
- v4.0.0 – New Project Proposal
  - Focus on non-backward compatibility features and ISO 2315.