

ASAM OpenSCENARIO P_2022_06

Proposal Workshop

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08.11.22
Online



Agenda

Start	End	Topic	Responsible
08:30	08:35	Welcome	ASAM
08:35	08:55	Introduction (review of the statement so far & the high level proposal goals?)	ASAM
08:55	09:25	Overview OSC1	BMW
09:25	09:55	Overview OSC2	Foretellix
09:55	10:15	An overall view of OpenSCENARIO from a tool vendor that has implemented both 1.x & 2.x	Mathworks
10:15	10:25	Coffee break	All
10:25	11:10	Migration 1.x to 2.x	ASAM / All
11:10	11:25	Discussion around WP4 Roadmap and the overall project timeline	ASAM / All
11:25	11:30	Closing words and next steps	ASAM

Goals of this Workshop

- Get you up to speed on OpenSCENARIO, the background and the proposed structure for this follow-up project so that you can decide whether you and your companies should participate and contribute
- Catch up on the status and content of both parallel versions of OpenSCENARIO, 1.2.0 and 2.0.0
- Review the messaging for OpenSCENARIO and the roadmap to date
- Review the current proposal for the follow-up project for ASAM OpenSCENARIO
- Start the discussion on migration, convergence and transition

Introduction

Goals of the introduction presentation

- Present the current status of ASAM OpenSCENARIO
- Outline the requirements defined towards both versions
- Review the current iteration of the OpenSCENARIO roadmap
- High level review of the proposed content for this project
- Not in scope for this agenda slot: discussion on what needs to be done differently. (this is part of a later agenda topic and of the project itself)
- In other words:
 - This information is the basis for the new project. It is up to you to refine!
 - Caveat emptor: If you want something done (or done differently), you need to take part to make it happen!

Overview

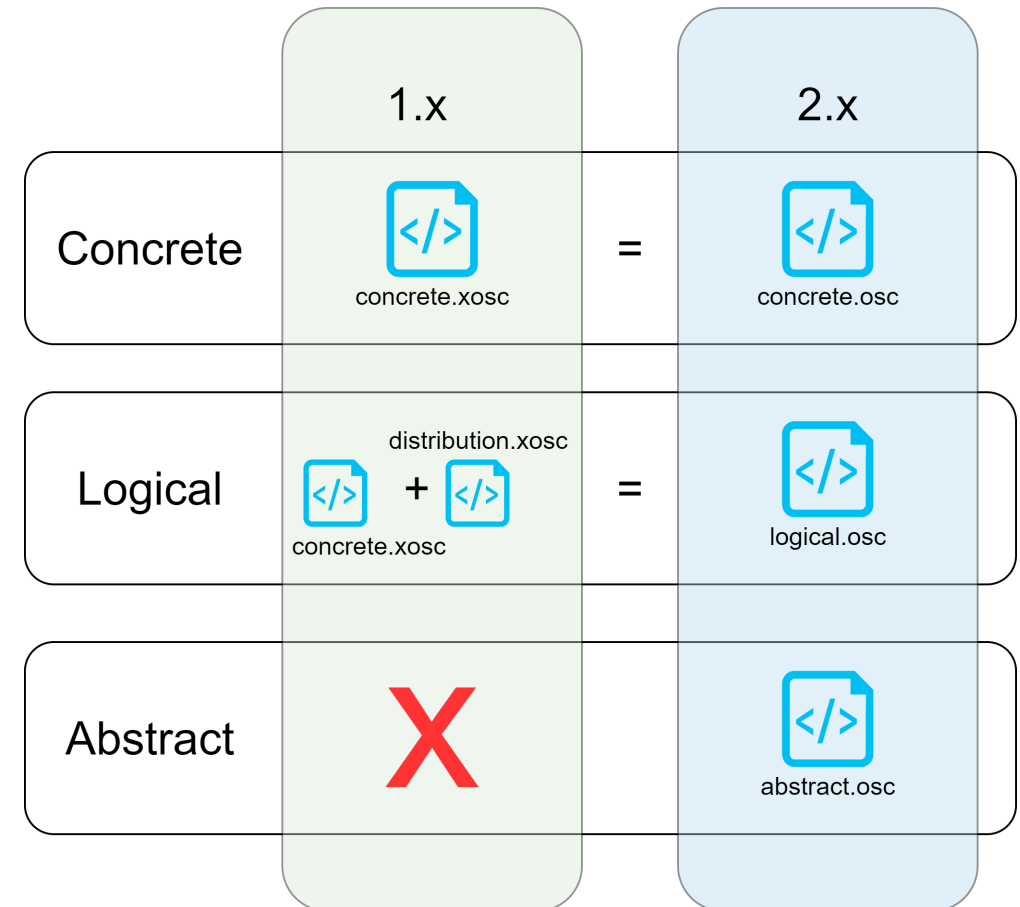
OSC defines the dynamic content of the world, for example, behavior of traffic participants and how these are expected to interact with each other and the environment.

	Concrete	Logical	Abstract	Functional
1.x <ul style="list-style-type: none">• 1.2.0 released in March 2022• XML-based format	✓	✓		
2.x <ul style="list-style-type: none">• 2.0.0 released in July 2022• Domain Specific Language (DSL)	✓	✓	✓	

Overview

- OSC 2.x offers **additional** features that enrich the scenario description
- **Neither** version of OSC guarantees exact reproducibility across different tools
- The focus of OSC is on enabling exchange and re-use of scenario **descriptions**
- This does **not change** across the versions

Exchangeability of OSC files



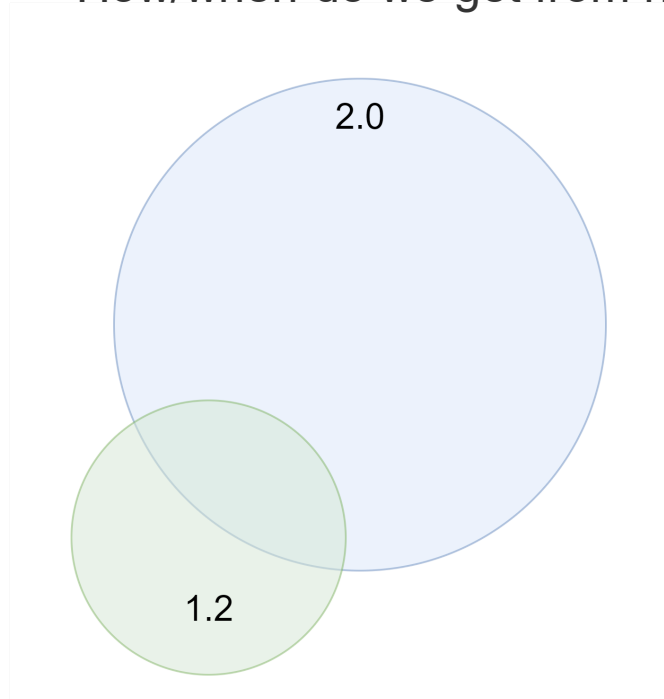
Requirements

- To support convergence, requirements were formulated towards all future OSC projects:
 1. OSC 2.x shall be a full superset of the features of OSC 1.x.
 2. Migration of an OSC 1.x scenario to an OSC 2.x scenario shall be possible.
 3. Conversion of a subset of OSC 2.x that maps to the feature set of OSC 1.x shall be possible.
 4. All future OSC releases shall be accompanied by an up-to-date ruleset for a migration path
 5. The run time behavior of any scenario converted/migrated from the latest OSC 1.x to OSC 2.x shall be the same.

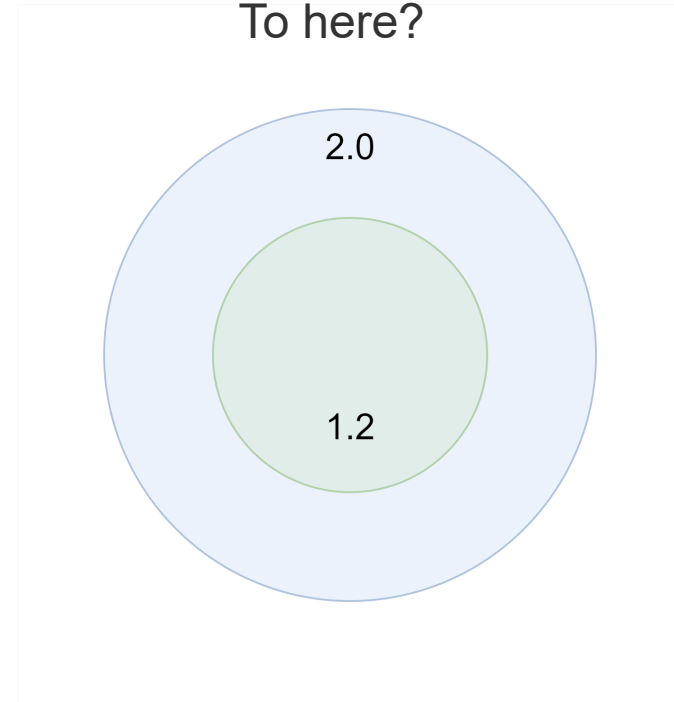
Key focus of this project: Making sure we have a better picture of when and how these will be fulfilled

The question of convergence...

How/when do we get from here...

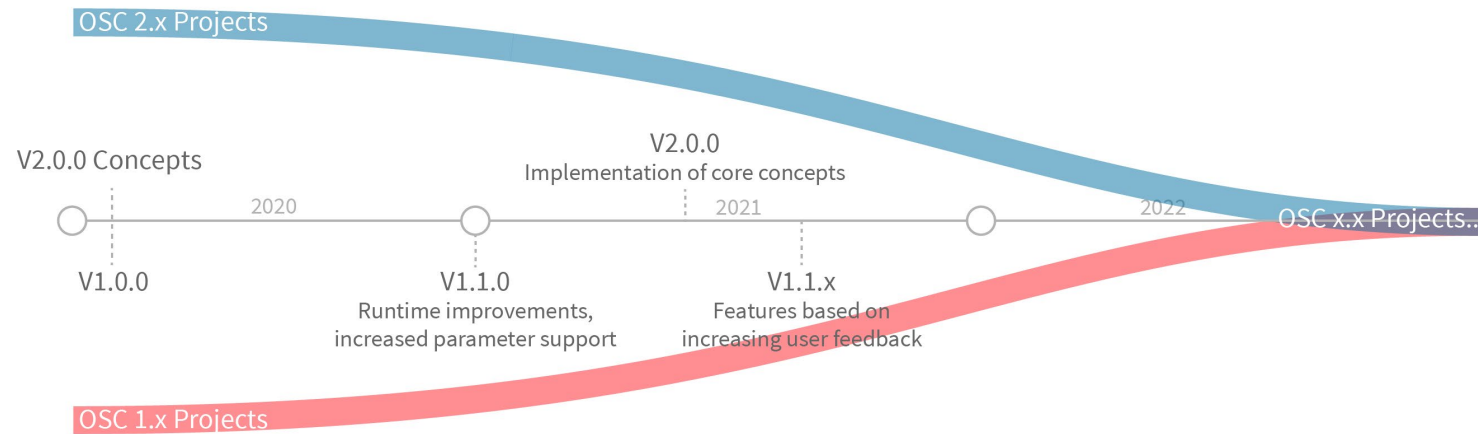


To here?

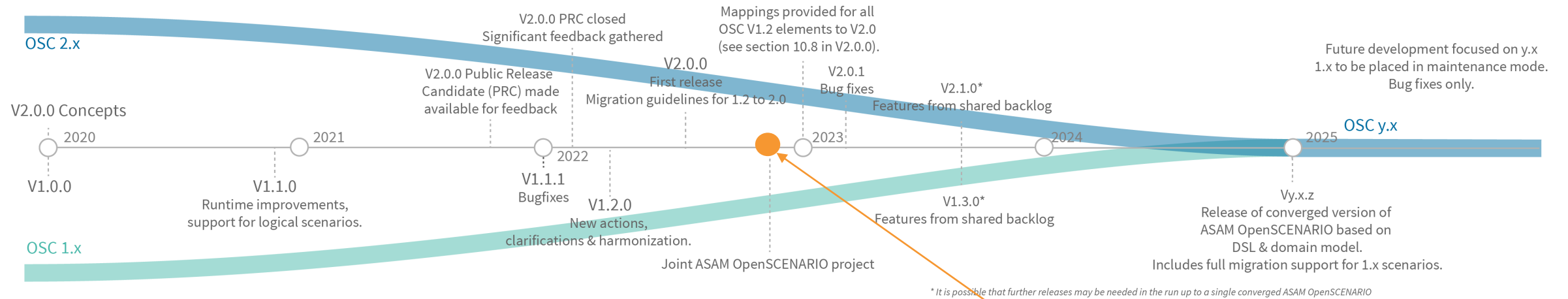


Note: Graphics are not to scale or representative of actual domain coverage....

Roadmap (03.2020)

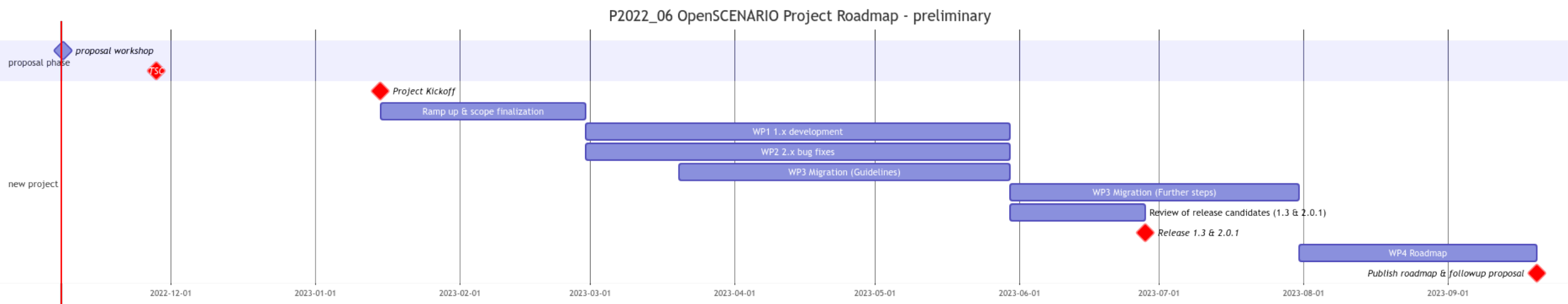


Roadmap (07.2022)



We are here...

Project proposal



Break – reconvene at 10:30 CET

10. November
2022

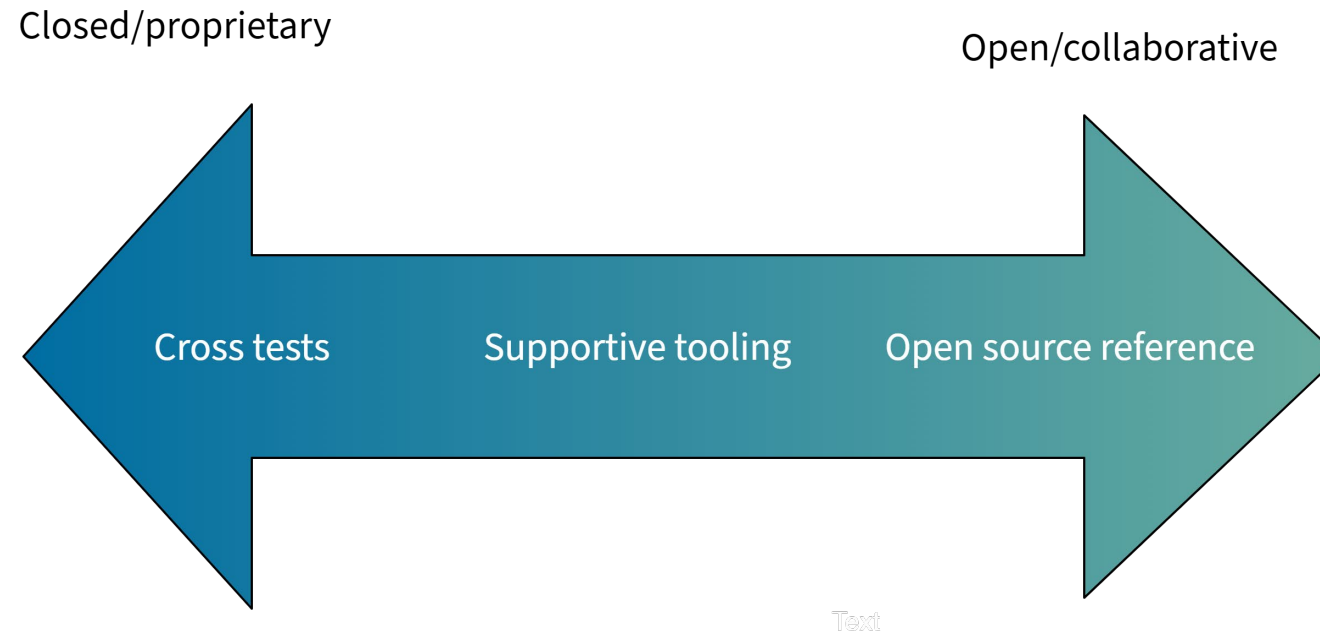
Migration and reducing hurdles...

Migration

- Migration guide is non-normative & provides mapping for elements from OSC 1.0 to 2.0
- It is not complete. The current theory is that everything domain-related has at least one mapping, but there was not sufficient time to do this mapping in all cases for 2.0.
- Some elements already have unpublished concepts for how to map them (some do not)
- What about further elements from >1.0?
- Some exceptions are named where a mapping is not needed
- Minimum for this project: Aim to finish the guidelines to cover the most recent versions of OSC!
→ Clear overview of mappings, open points and when these will be addressed (in order of prio.)

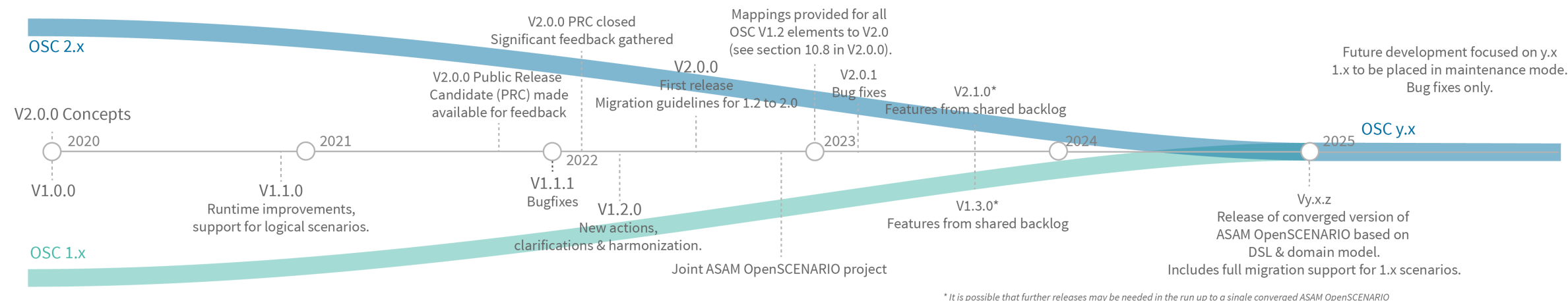
Migration

- These are all currently ‘just’ guidelines. A great start, but what next?
- We think that more than guidelines is needed. What?
- How about other alignment topics? Terminology? Domain model?



WP4 Roadmap and project timeline

Roadmap (current)



Project Plan

