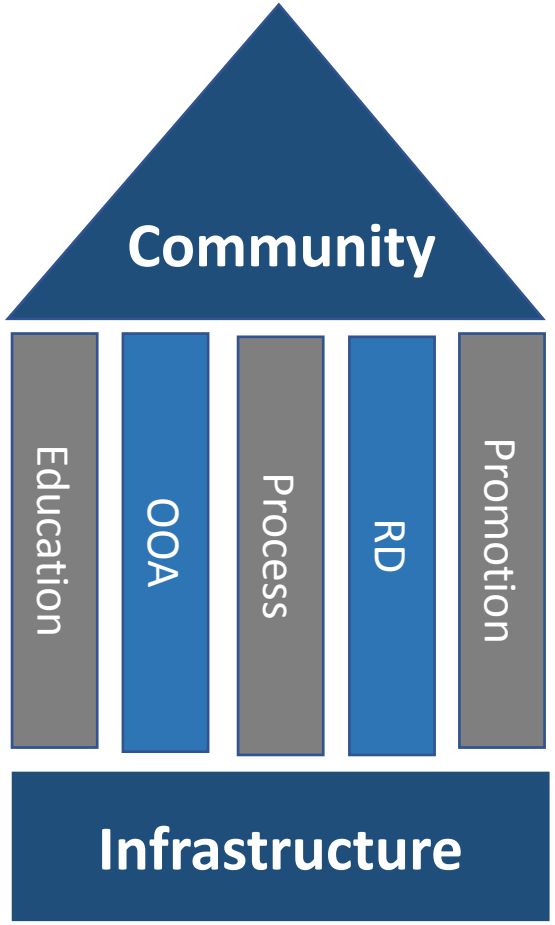
Shlaer-Mellor Commons

(September Steering Committee Meeting)



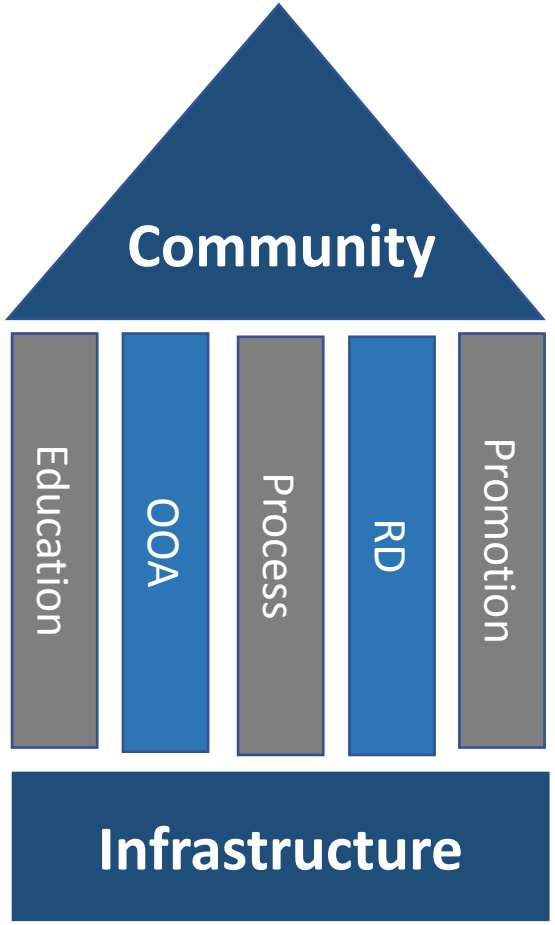
Agenda

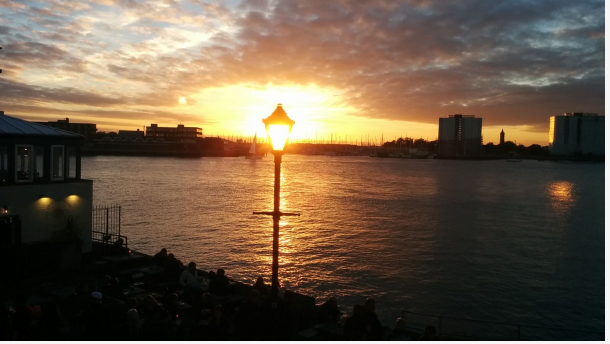
- xtUML Days 2021 Planning
  - brief update on 27 Oct 2021 planning so far
  - speakers, registration and recruitment
- Shlaer-Mellor Commons
  - Commons Vision
  - Commons Roadmap
  - Commons Participation HowTo
  - Existing Teams (OOA, RD, Community)



Agenda

- xtUML Days 2021 Planning
  - brief update on 27 Oct 2021 planning so far
  - speakers, registration and recruitment
- Shlaer-Mellor Commons
  - Commons Vision
  - Commons Roadmap
  - Commons Participation HowTo
  - Existing Teams (OOA, RD, Community)





xtUML Days 2021



What Is This? Registration Keynote Speaker Call For Papers

Conference Organization Previous xtUML Days

Conference Day Agenda

- variety of session types, some very short
- mixture of live and pre-recorded material
- breaks and networking events
- presenters "present" to answer questions even during the session
- fast-moving



xtUML Days Presentations

T	Clock	Presenter	L	Type	Title
5	09:00	Cortland Starrett	L	live	Welcome and Opening
5	09:05	Emily Carter	L	live	Shlaer-Mellor xtUML Day via Zoom
30	09:10	Leon Starr	R	keynote	Safety on the Road with MBSE and Executable Modeling
20	09:40	Emily Carter	L	**network/break**	Mixing virtually - introductions
30	10:00	Nils Paulsson	R	tech	XTU: Modeling and a C++ Model Compiler
45	10:30	Colin Carter	L	wrkshop	How to Build Shlaer-Mellor Class Models
30	11:15	Emily Carter	R	tech	On Community and This S-M Community in Particular

xtUML Days Presentations… continued

T	Clock	Presenter	L	Type	Title
15	11:45	BAE Intern	R	exprpt	Benchmarking Shlaer-Mellor Architectures
30	12:00	Melanie Gurunathan	R	tech	Spinning up a Self-Driving Shlaer-Mellor Team
15	12:30		L	**lunch**	virtually connected lunch - introductions
30	12:45	Marc Balcer	L	wrkshop	How to Build Shlaer-Mellor State Machines
30	13:15	Campbell McCausland	R	tech	Bridging with Domain Specific Languages
15	13:45	John Wolfe	R	exprpt	RD/Tooling Team Update
15	14:00	Various	R	exprpt	Tooling Contributions 2021
30	14:15	Leon Starr	R	exprpt	Rendering Diagrams from Text

xtUML Days Presentations… continued

T	Clock	Presenter	L	Type	Title
15	14:45	Emily Carter	L	**network/break**	coffee and chat rooms
45	15:00	Mullarney/Wolfe	R	tech	Time: Simulated and Manipulated
30	15:45	Rob Day	R	exprpt	Shlaer-Mellor from the Outside
30	16:15	Mike Lee	R	exprpt	OOA Team Report
30	16:45	Mike Lee	L	wrkshop	Progressing on the Next Issues
30	17:15	Levi Starrett	R	tech	Shlaer-Mellor Persistence
5	17:45	Cortland Starrett	L	live	closing remarks
60	17:50	Happy Hour	L	hpyhour	apple brandy or favorite libation



UK Physical Gathering



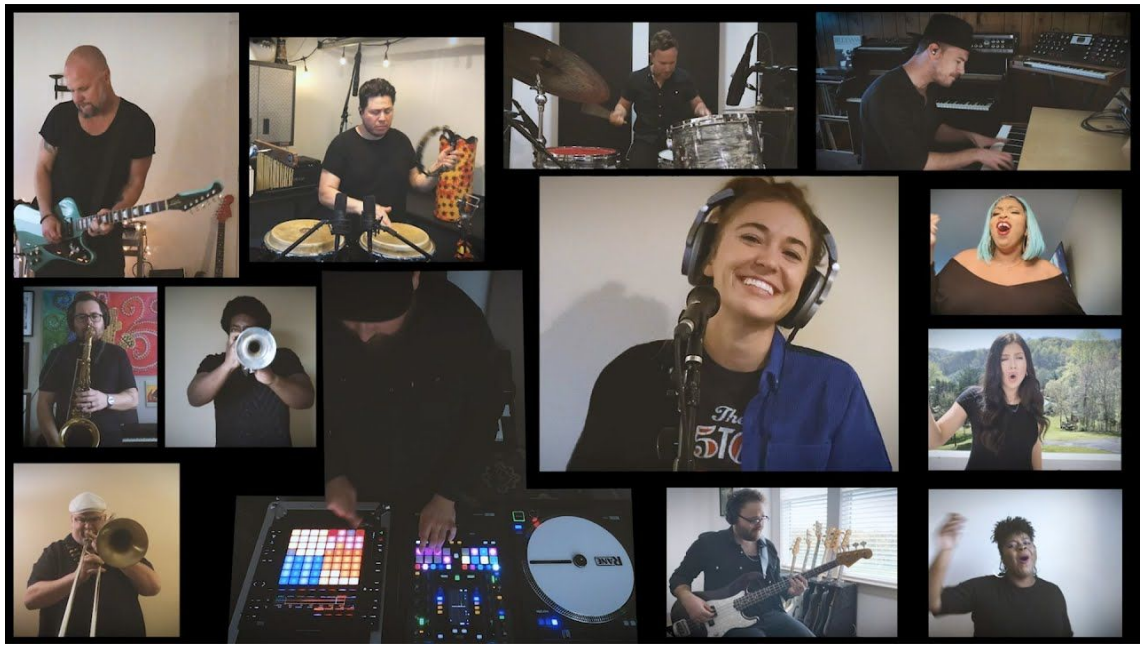
Sunday 24 Oct 2021 18:00 dinner party at ***The Still and West***

Monday 25 Oct 2021 08:00-13:00 ***Holiday Inn Portsmouth***



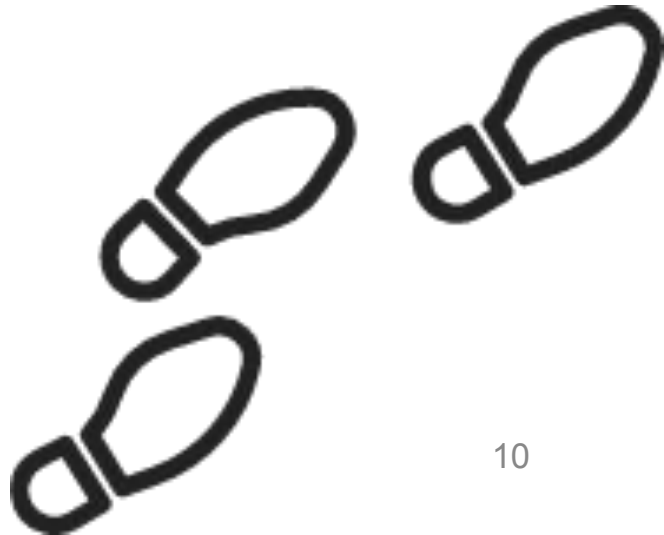
Your Next Steps

- Recruit, recruit, recruit!
- Join on Zoom!



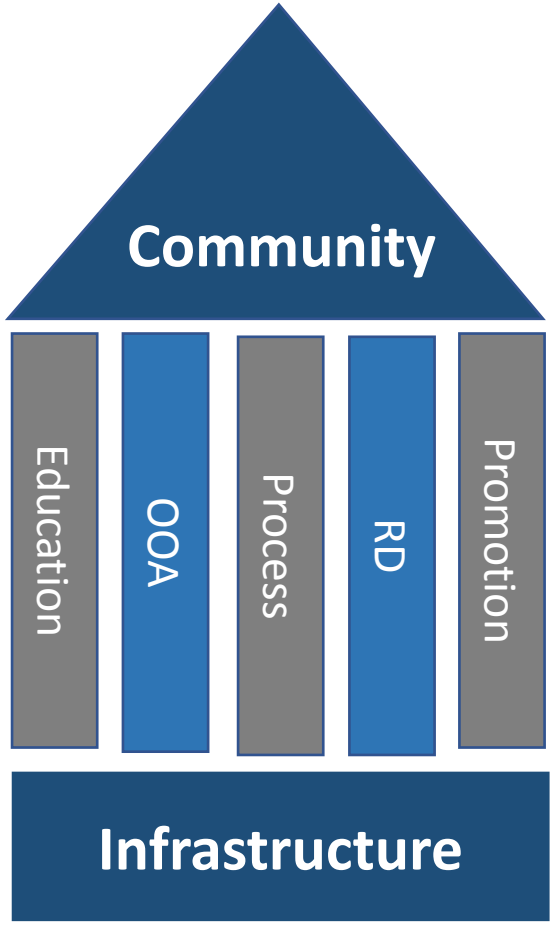
Everybody registers here: (except keynote and Tower)

https://xtuml.org/ (bottom of page)



Agenda

- xtUML Days 2021 Planning
  - brief update on 27 Oct 2021 planning so far
  - speakers, registration and recruitment
- Shlaer-Mellor Commons
  - Commons Vision
  - Commons Roadmap
  - Commons Participation HowTo
  - Existing Teams (OOA, RD, Community)



~~Future~~**Now**: Shlaer-Mellor Commons

Purpose

The S-M Commons exists to:

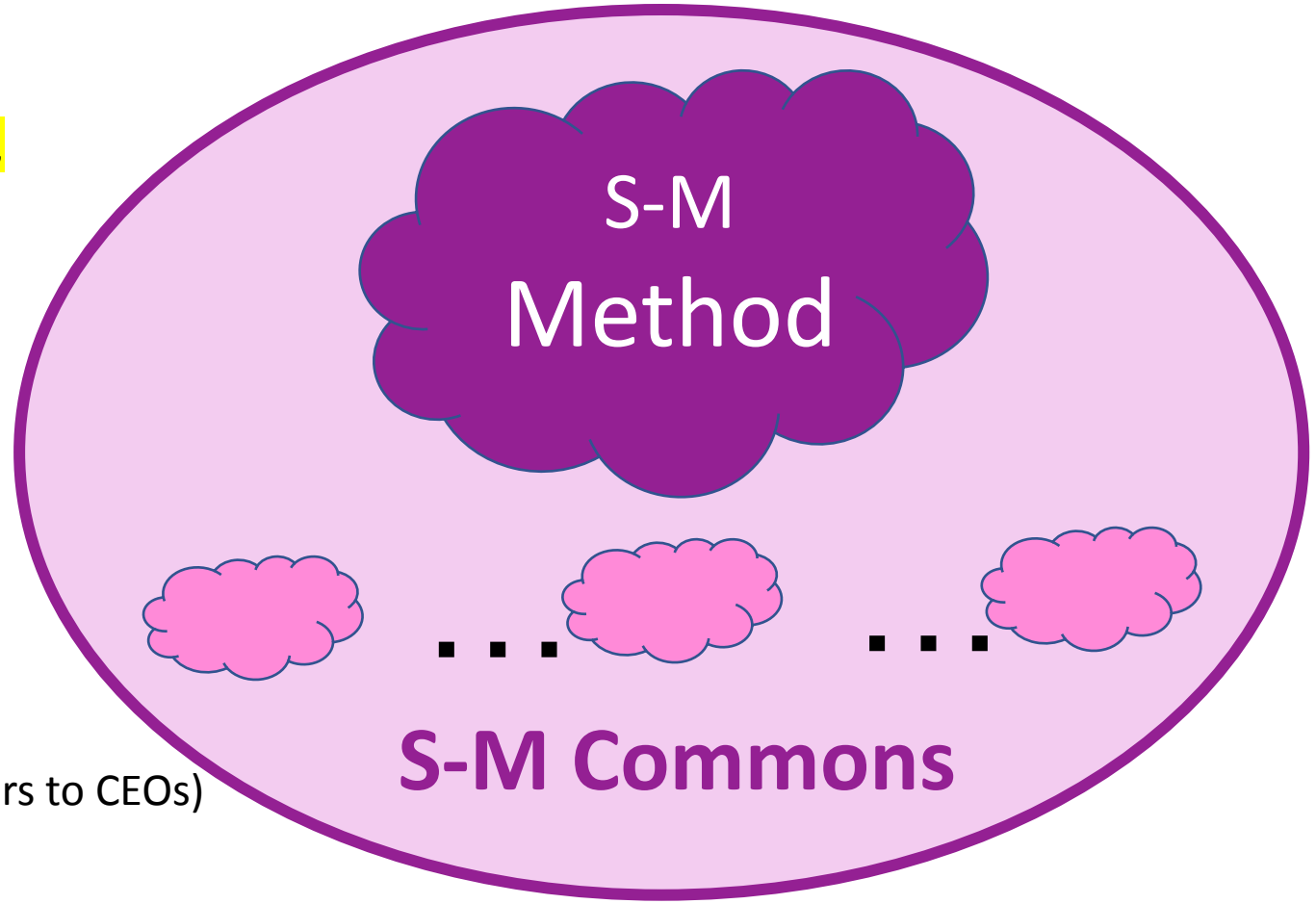
- foster collaboration, camaraderie and advocacy,
- advance the method, models and tooling and
- grow community by increasing the accessibility.

Values

- Productive collaboration over competition
- Openness in governance and participation
- Singularity of Method, Multiplicity of Tooling

Audience

- S-M practitioners at all levels across the globe
- Innovative engineering organizations (Developers to CEOs)
- Institutional and corporate educators

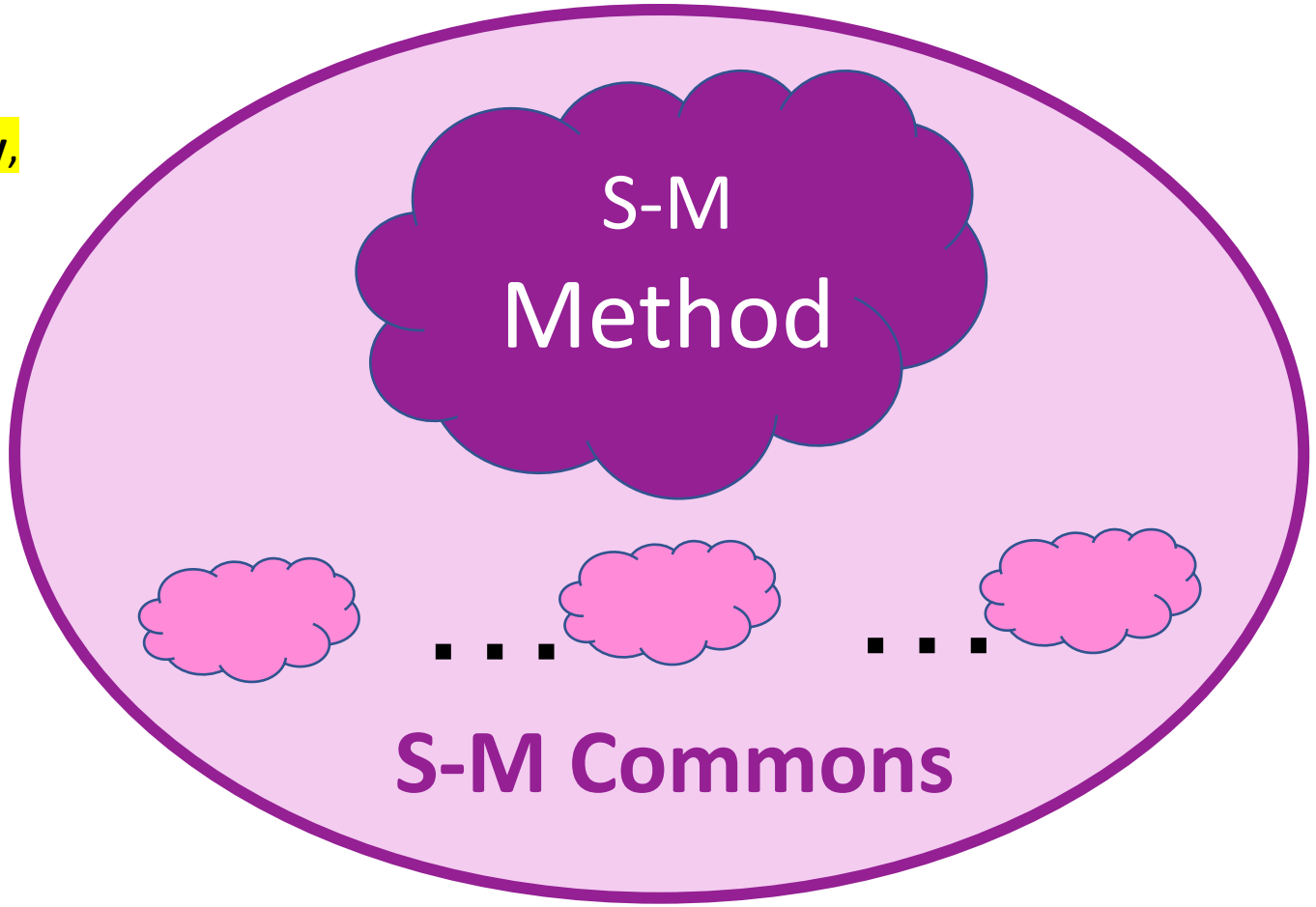


Vision: Shlaer-Mellor Commons

Purpose

The S-M Commons exists to:

- foster **collaboration**, **camaraderie** and **advocacy**,
- advance the method, models and tooling and
- grow community by increasing the accessibility.



We are **optimistic** yet **patient** and have **realistic expectations**.
Slow, steady, incremental forward progress is to be celebrated!

Vision: Collaboration



A key goal is to find and connect Shlaer-Mellor modelers from all corners. The Commons community will be the easiest, most efficient and enjoyable means of collaborating with fellow modelers. Existing and new practitioners will find the people they need and the tools to work together.

Vision: Camaraderie



Shlaer-Mellor Commons members are a distinct group with distinct interests. Shlaer-Mellor people share some ways of thinking and enjoy sharing time with others who value precise modeling, execution and translation. People will find opportunities to enjoy time together through online communications channels, work opportunities, conferences, training materials and articles of interest.

Vision: Advocacy



The Shlaer-Mellor Commons promotes a particular process of systems analysis and design, because it is seen to be effective and even a Better Way in many situations. Therefore, practitioners desire to see the community grow and see the Method applied more widely. Members of the Shlaer-Mellor Commons promote involvement and growth.

Vision: Crystal Ball



So, with the above stated, what might this look like?

Vision: Crystal Ball



- coalescence of the various Shlaer-Mellor related groups (PT, KC, MI/R, xtUML, xUML, OOA, etc.) linked from the more general Shlaer-Mellor Commons
- continuous, incremental refinement of the Method by an OOA Council
- an easy-to-read map of the various dialects and literature describing them
- an easy-to-read map of the available tooling with features and user bases described to help choose a modeling tool to use (or to help develop)
- shlaermellor.org as a landing site with links to the collaboration utilities

Vision: Crystal Ball… continued



- a *Slack* chat with rooms and threads for the various interest groups
- more material accessible without the need to register user IDs on multiple sites
- textual as well as graphical modeling tools
- text to graphics and graphics to text conversions
- more and better model compilers
- more and better model execution and debug environments
- a base Shlaer-Mellor metamodel with paths to derive and extend it

Vision: Crystal Ball… continued



- a growing annual online conference
- physical gatherings each year on at least 4 continents
- an organized and growing base of teaching and training materials
- representation in related activities like ET-Robocon and other modeling contests

Roadmap



How do we get there?

Incremental, Always Advancing, Never Broken

- Two ways to improve methods and tooling:
  - ~~One Giant Leap~~ no, thanks
  - **Baby Steps**



- Responsible engineering and project management follow an incremental approach
  - leverage existing IP
  - clear roadmap, agile course correction
  - patience
  - modularity
  - incremental improvement



Participation



How do I participate?

Participation



...the OSS Way!

Participation



- issue tracking
- source management
- communication channels

Participation: Issue Tracking



Successful open source projects track issues. An issue can be a question, bug report or feature request. What is critical is that issues are captured, identified and progressed through a lifecycle. This will look like engineering development.

Participation: Source Management



Open source projects maintain repositories of source code and documentation in version control systems. These repositories enable changes and additions to be made to the body of knowledge incrementally, methodically and safely. Changes in the source body are linked to issues in the issue tracker.

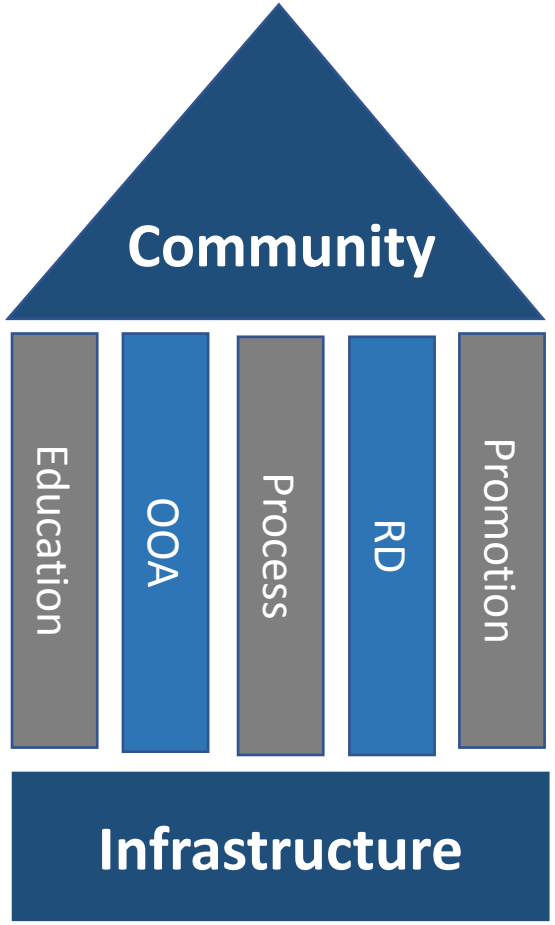
Participation: Communication



Communication is the foundation of community. The Shlaer-Mellor Commons is an online community and uses internet-based communication channels such as email, chat rooms and social media. Successful participants will join the various channels. These channels and their appropriate use is constantly evolving along with rest of the internet culture. The Linux community started in a Usenet newsgroup and has migrated and adapted as different media became available and popularized. The S-M Commons will do the same.

Commons Organization

- Community Team – Emily
  - Organization
  - Governance
  - Infrastructure
  - Incubation of new teams
- Core Method Teams
  - OOA/Modeling - Mike
  - RD/Tooling - John
  - Process/Management
- External Facing Teams
  - Promotion and Communication – Coming Soon
  - Education and Training – Marc



OOA/Modeling Team

Charter:
Provide a forum for maintaining the viability of the method for both modelers and tool developers

General Process:
Assess method issues as raised by the community in an open forum and make decisions to resolve them.

- Clarification of method
- Change to method
- Agreement to disagree
- Other resolutions?

Decision Authority:

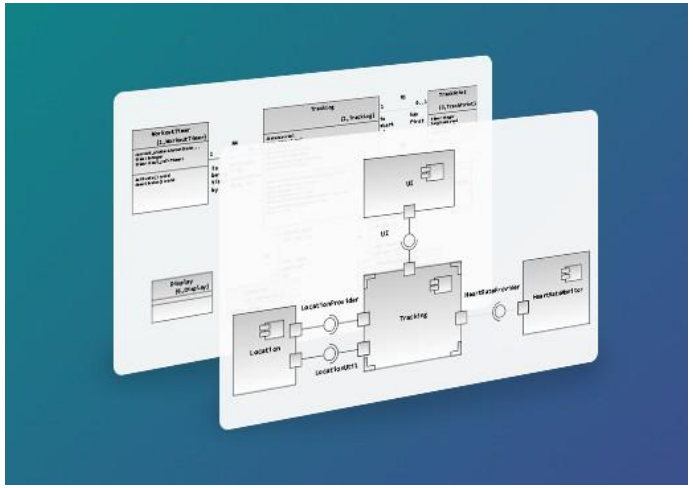
- Authority is derived from valued contributions (meritocracy)
- Start with a small Council of recognized contributors
- The method is a reference not a standard

Participation:

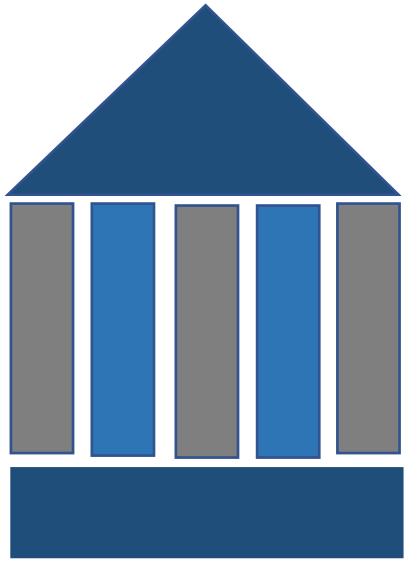
- All members encouraged to participate in assessments
- The team Council makes final decisions

Short Term Goals (October):

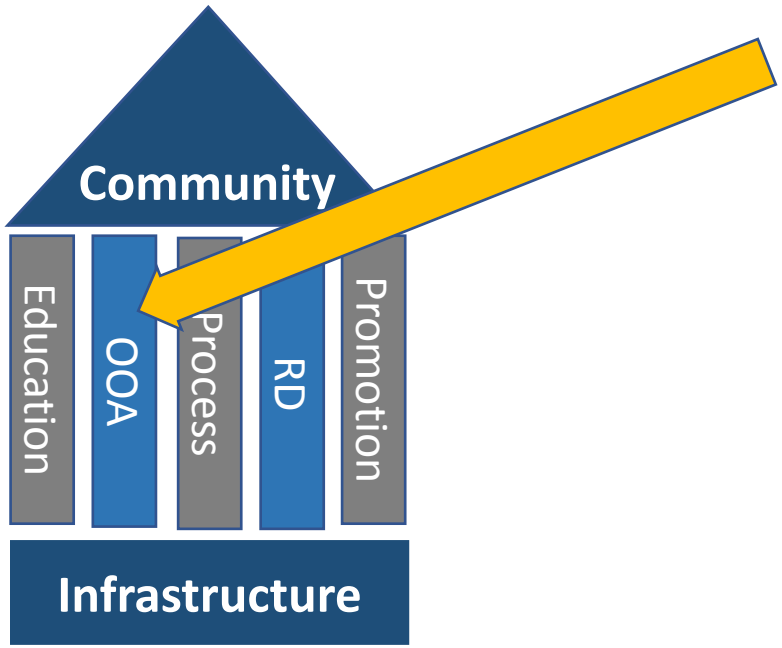
- Agree on Method's Body of Knowledge
- Clarify/Refine general process as needed
- Address at least 2 issues to vet/refine process



Shlaer-Mellor Commons:
OOA/Modeling Team



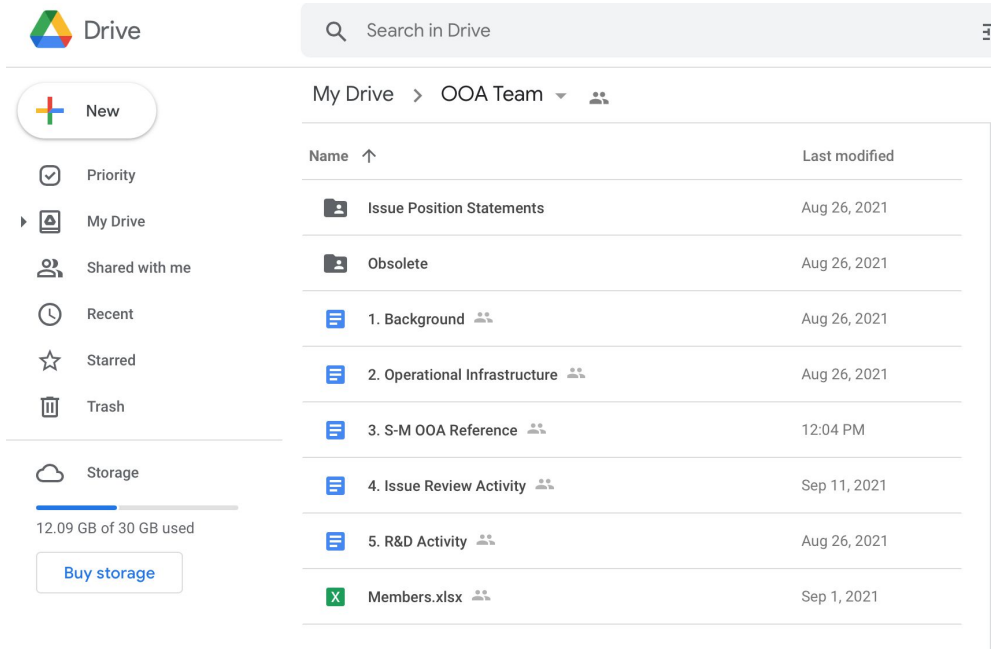
OOA Team Revisited



- One of the 1st three S-M Commons teams
- A “pillar” of the Community!
- Charter:
  - Provide a forum for maintaining the viability of the method for both modelers and tool developers
- Initial Goals (xtUML Days 2021):
  - Agree on Method’s Body of Knowledge
  - Clarify/Refine general process as needed
  - Address first issues to vet/refine process

Initial Infrastructure Setup

1. Shared Personal Google Drive



➡ process and working documents

2. Shared Personal Google Chat

➡ Interactive discussions

3. One Fact Issue DB

➡ Issues with method

Progress on Goals

- Established Body of Knowledge
  - Informal reference defined
  - Formal reference identified
- Documented, Reviewed and Refined Issue Review Process
  - Multi stage: validate, evaluate, deliberate and publish
  - Explicit representation from different “Schools of Practice”
- Identified and Started Review of 3 Issues:
  - Association Formalization
  - Polymorphic Event Behavior
  - Event Prioritization

Additional Progress & Next Steps

Established the OOA Team Council

- Colin Carter
- Greg A
- Ian Wilkie
- Leon Starr
- Stephen Mellor

If YOU want to take a closer look at things…

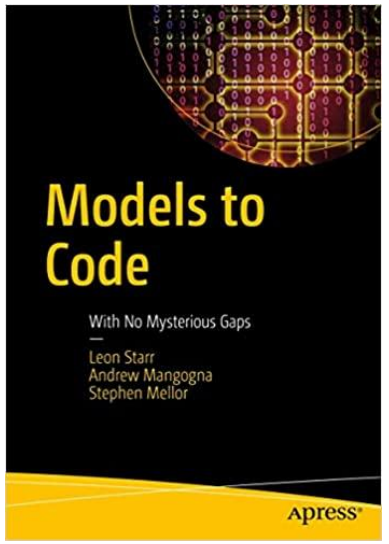


Contact Mike Lee to join the OOA Team (mike@modelint.com)

RD/Tooling Team

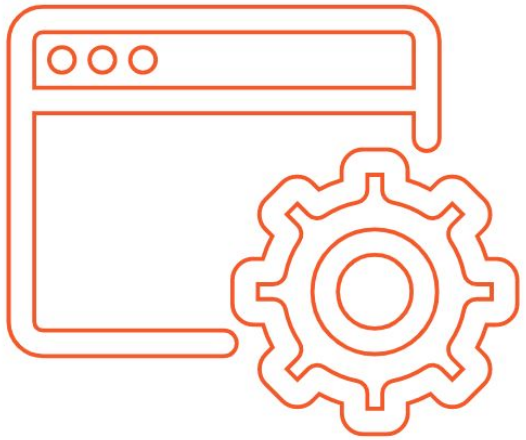
Charter:
Ensure tooling is readily accessible while driving language advancement and identifying synergy between tool chains.





Participation:
- Tool experts, stewards, and developers

Short Term Goals (October):
- Enumerate tool chains and their locations
- Characterize each tool chain, easing selection process
- Open and prioritize top-tier language issues
- Brainstorm opportunities for synergy between tool chains





Let’s Get Together