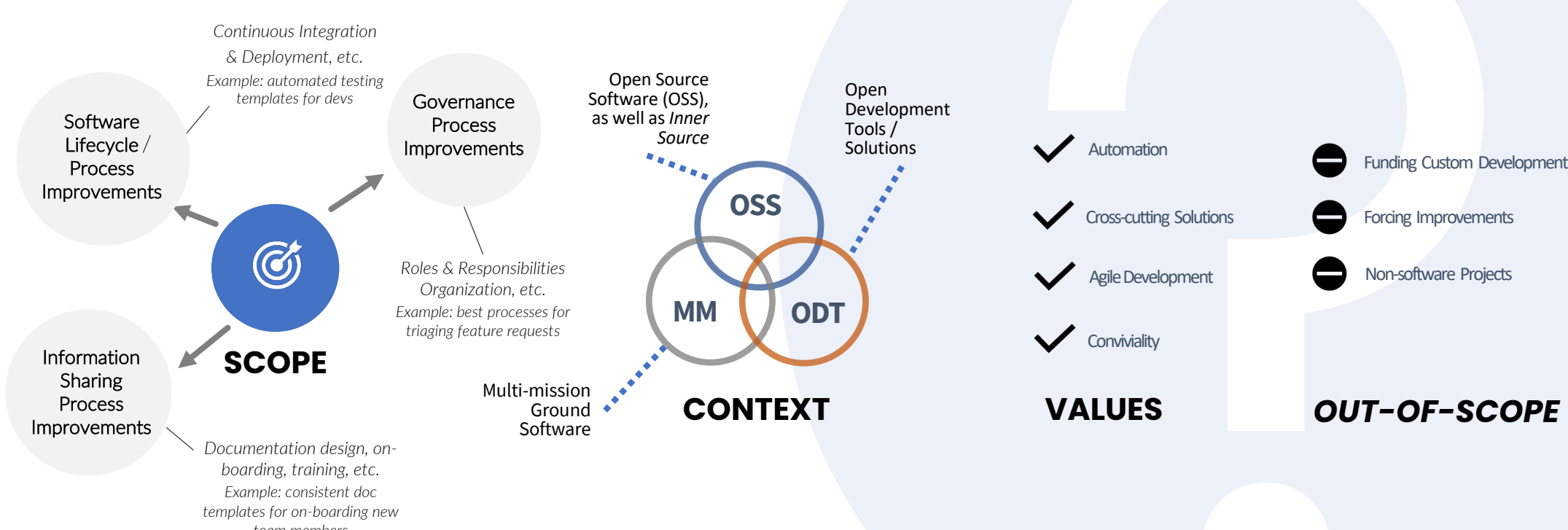


SOFTWARE LIFECYCLE IMPROVEMENT & MODERNIZATION

“SLIM is a shared resource for discussing, iterating and referencing best practices in software lifecycle process improvements for multi-mission space and ground software.”

ABOUT

COLLECTIVE SOFTWARE LIFECYCLE, GOVERNANCE & INFO SHARING SOLUTIONS FOR OPEN MULTI-MISSION GROUND SOFTWARE.

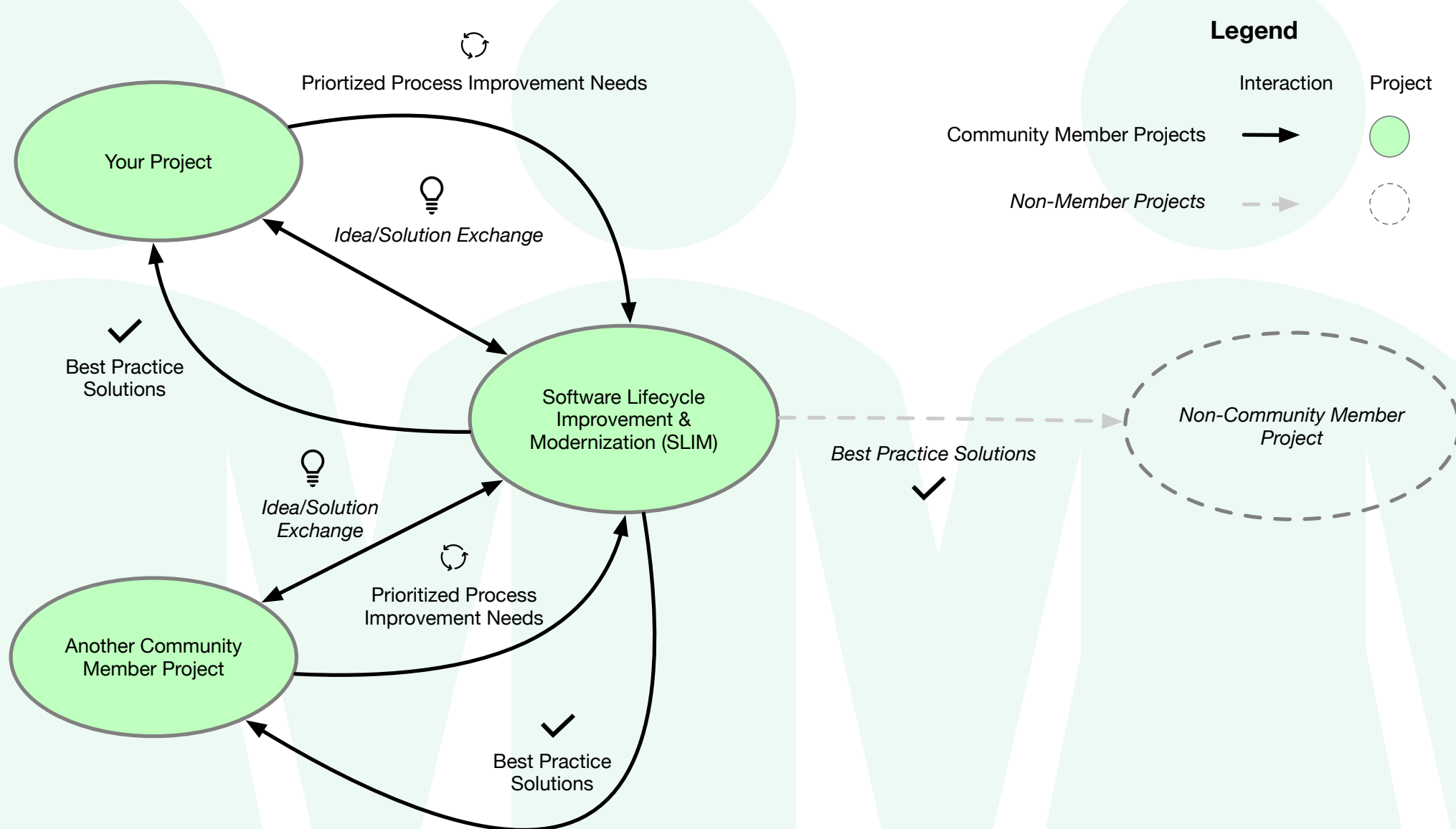


THE PROCESS

COMMUNITY-DRIVEN NEEDS MET THROUGH AGILE APPROACHES AND AUTOMATION ARCHITECTING BASED SOLUTIONS.

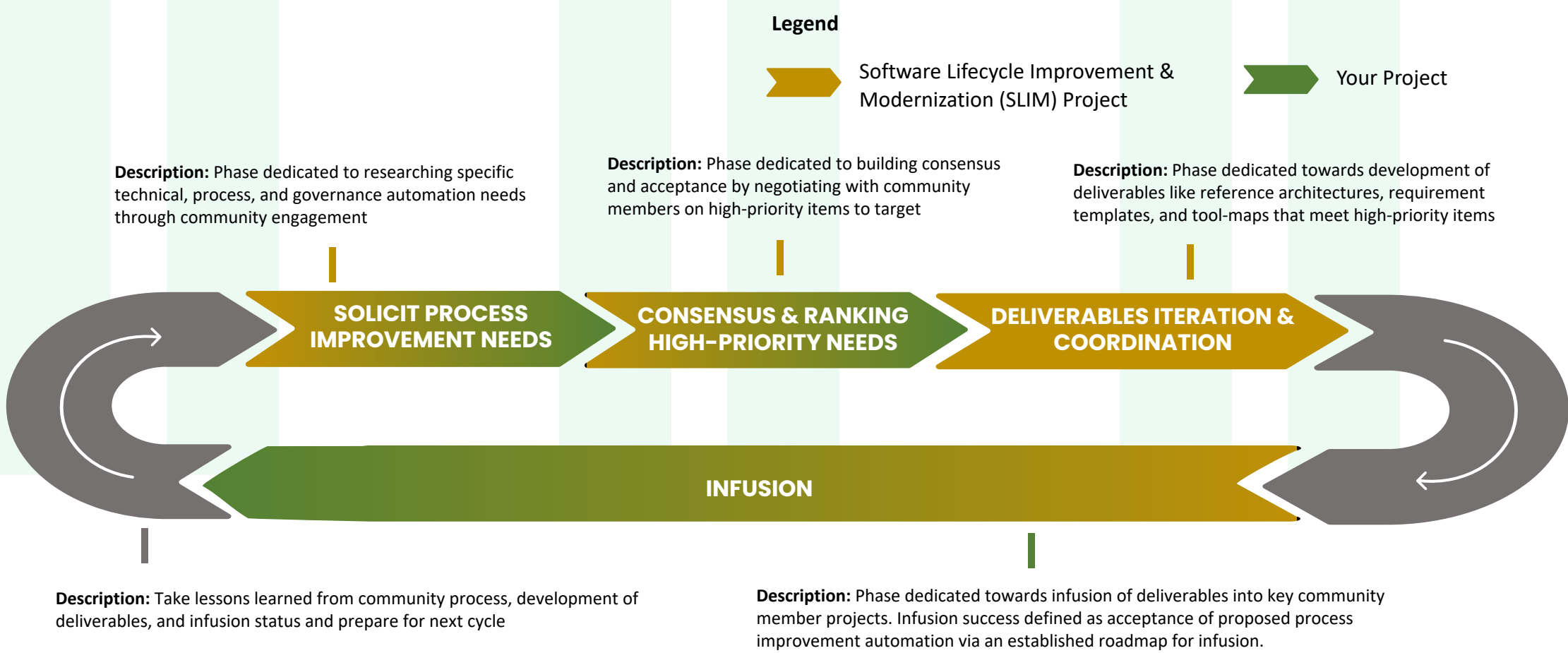
CREATING A COMMUNITY

We're setting up a community-driven coordination process led by the Multi-mission Ground Software Systems (MGSS) Software Lifecycle Improvement & Modernization (SLIM) project to allow diverse software projects to coordinate upon software lifecycle process improvement needs & solutions while setting up a contribution model for community members to build and exchange best practices. A community-driven approach means the community helps prioritize which process improvements to collectively focus upon, research, and infuse into their respective projects. Non-community member projects can of course make use of the best practice solutions at any time.



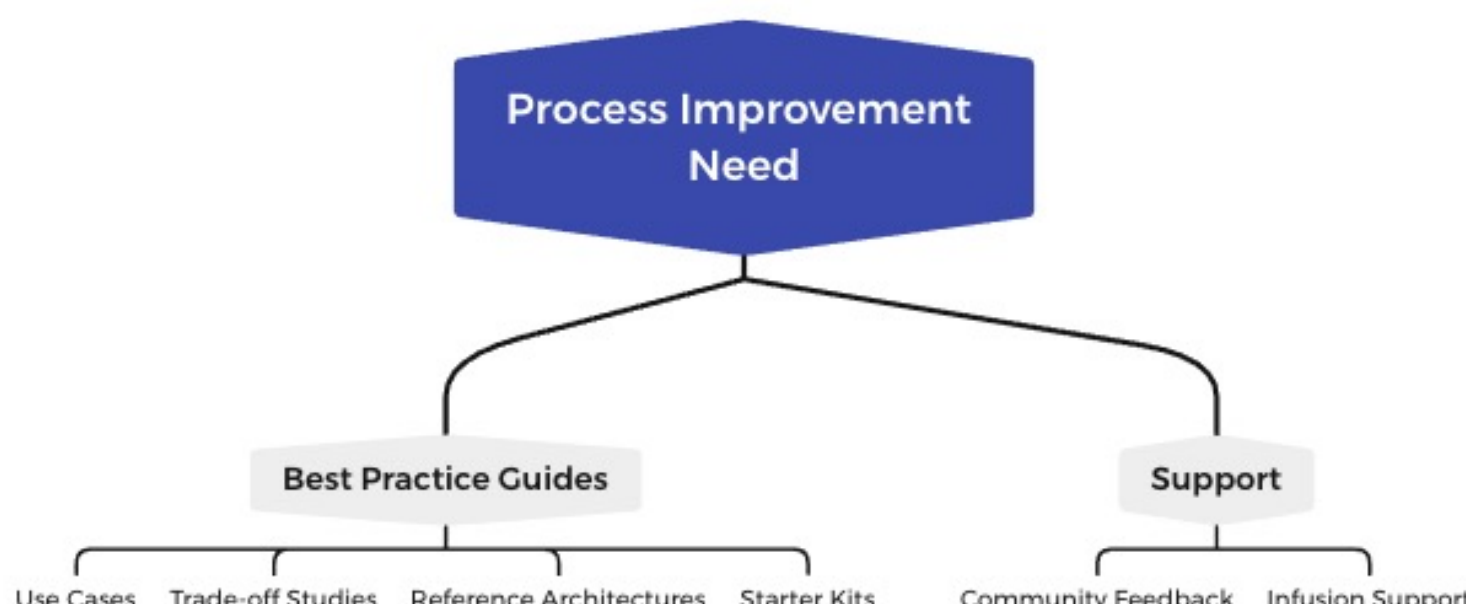
COMMUNITY-DRIVEN ROADMAP FOR PROCESS IMPROVEMENT INFUSION

We're planning a phased approach to process improvement infusion – where the community first collaboratively identifies process improvement needs & helps to collaboratively rank them by shared priority. Next, the automation architects within the SLIM project work with the community to develop key deliverables (described further below) and work with the community to infuse said improvements into community participant projects. This cycle is repeated multiple times throughout the year.



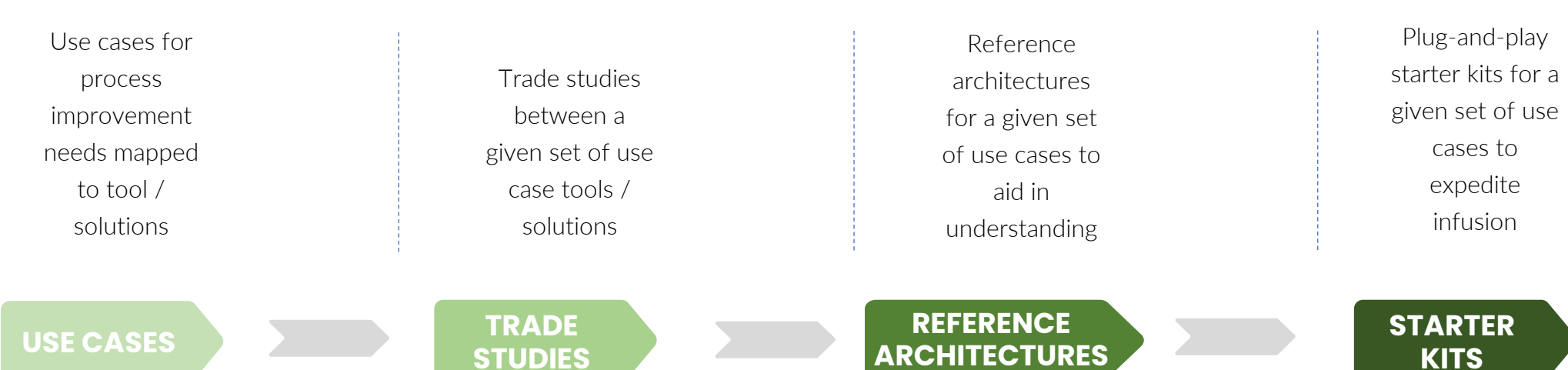
SOLUTIONS & DELIVERABLES

Each community-selected process improvement need will be investigated through an automation architecting lens. This means that key automation-oriented solutions will be preferred and a set of deliverables will be presented to the community for infusion. These deliverables include reference architectures for enabling a specific process improvement as well as the context (use cases) of applicable scenarios for that process improvement need. Second, open templates and samples will be provided to the community which can be utilized for customization and infusion.



DEVELOPMENT PROCESS

Our contributors work in a systematic way to take a given set of process improvement needs, and formulate a best practice guide by focusing on use cases and tool recommendations, developing trade studies for each use case's set of tools, creating reference architectures for each use case, and finally offering the SLIM community plug-and-play starter kits to automate aspects of the given use cases.



GET INVOLVED

PARTICIPATE IN COMMUNITY-DRIVEN SOLUTIONS.

BE A COMMUNITY MEMBER



WHAT YOU GAIN

- Best practices and recommendations for key software, process improvements, and information sharing
- Early access to deliverables (process improvement references, templates, etc.)
- Opportunity to collaboratively interact with your peers and learn, exchange best practices in software lifecycle improvements

EXPECTATIONS

- Active & timely participation in our open development process
- Openness and willingness to infuse process improvements into your project timeline & scope

INTERESTED?

nasa-ammos.github.io/slim