

Duluth-Superior Long-Range Transportation Plan



Sustainable Choices 2050

Metropolitan Transportation Plan (MTP) 2050 Project Evaluation Framework

February 20, 2024

AECOM



Agenda

1. Recap of December Presentation
2. Proposed MIC Project Evaluation Framework
3. MTP Project Scoring Metrics (Step 1)
4. MTP Project Final Review Questions (Step 3)
5. Overview of Proposed Scoring
6. Next Steps

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Recap of December Presentation



December Presentation

- Introduced performance-based planning
- Presented two examples of MPO project evaluation/scoring
- Discussed how this process could be applied to the development of *Sustainable Choices 2050*

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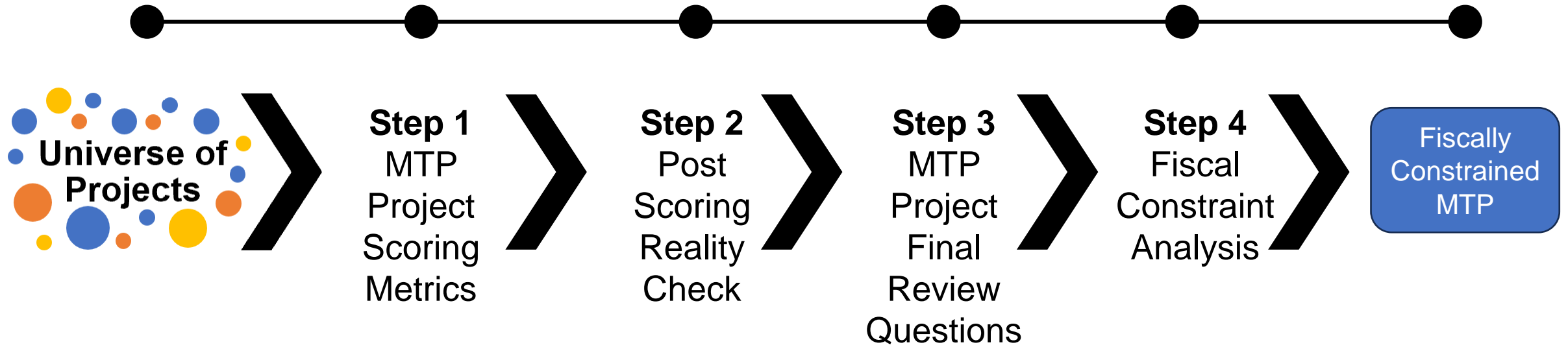
Proposed MIC Project Evaluation Framework



Key Assumptions

- The scoring is intended to enhance the project evaluation and overall alignment with the MTP vision and goals
- The data-driven scoring is one tool to inform the selection of regionally significant projects
- The highest scoring project(s) will not necessarily end up in the MTP fiscally constrained plan
- This is a starting point for performance-based planning

Framework Screening Steps

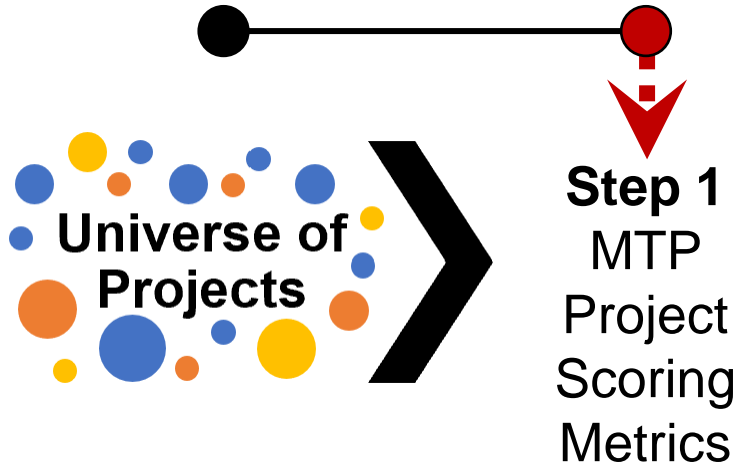


Universe of Projects



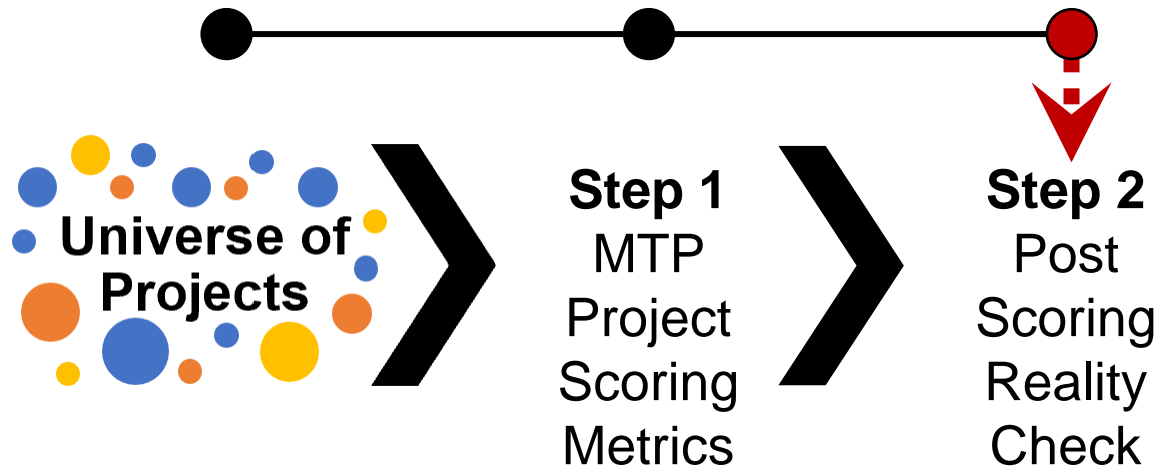
- Jurisdictional submittals
- Deferred projects
- Regionally studied investments
- MTP evaluation identifies a system need(s)
- Visionary ideas to improve the transportation system
 - for study or future project consideration

Step 1 – MTP Project Scoring Metrics



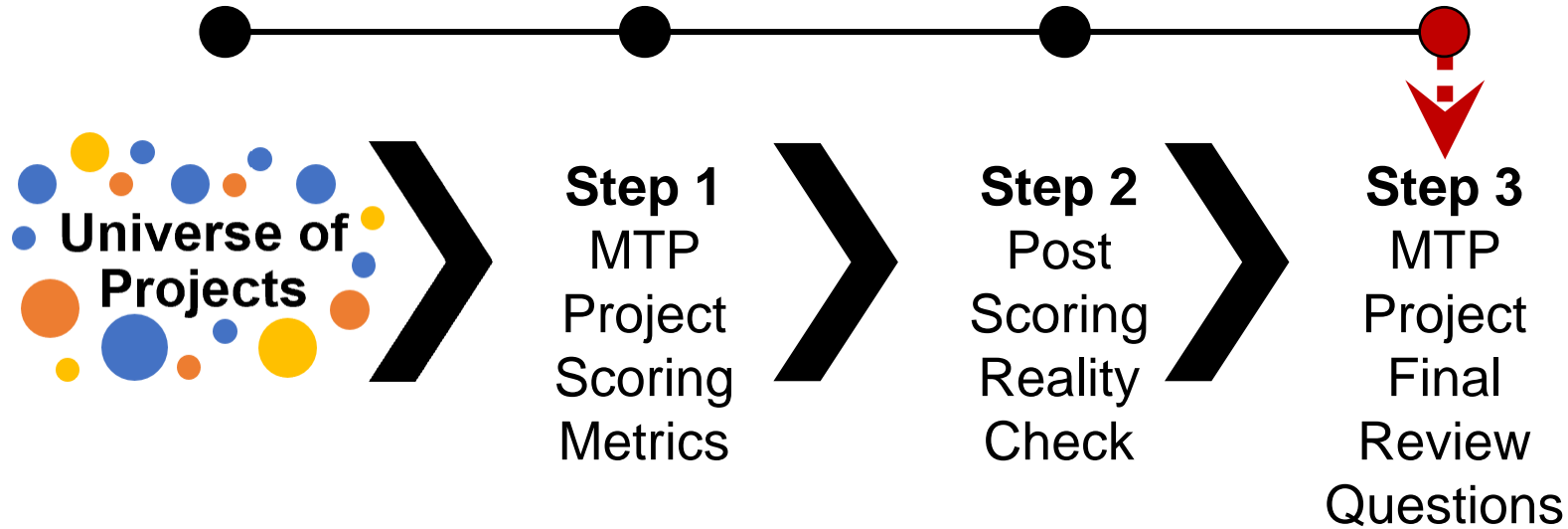
- Performance metrics generally align with the MTP goals
- GIS based analysis
- Thresholds established to assign points
- Approximately top 25 projects advance
- Need measurable, comprehensive dataset

Step 2 – Post Scoring Reality Check



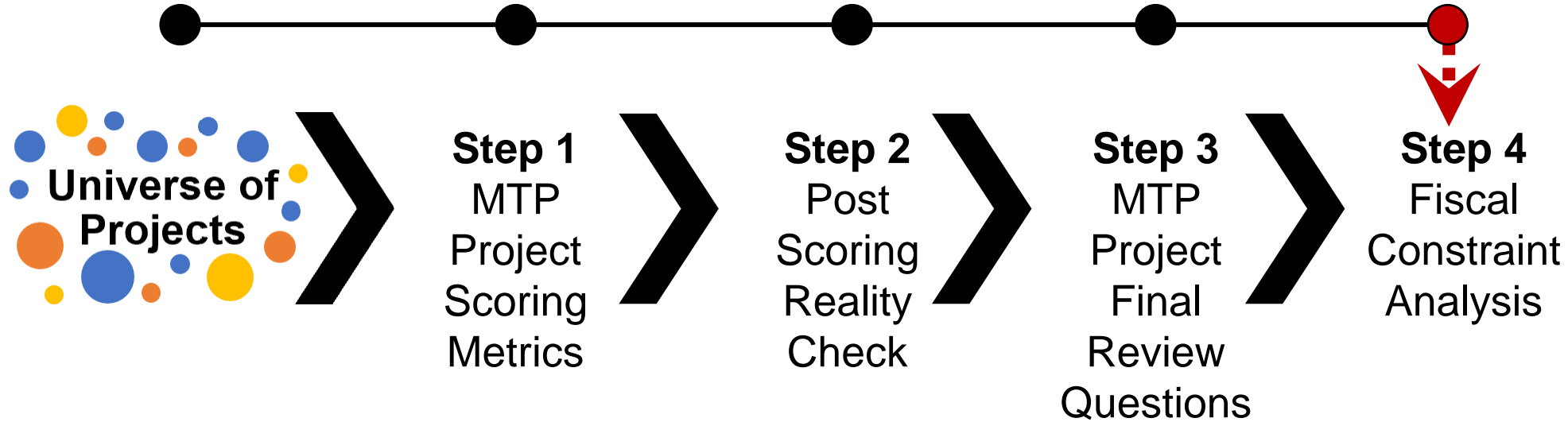
- Do the projects that advanced make sense?
- Are there projects we thought might advance, but did not?
- Check for potential data issues – quality and/or gaps
- Are there additional projects that should be carried forward for further review?

Step 3 – MTP Project Final Review Questions



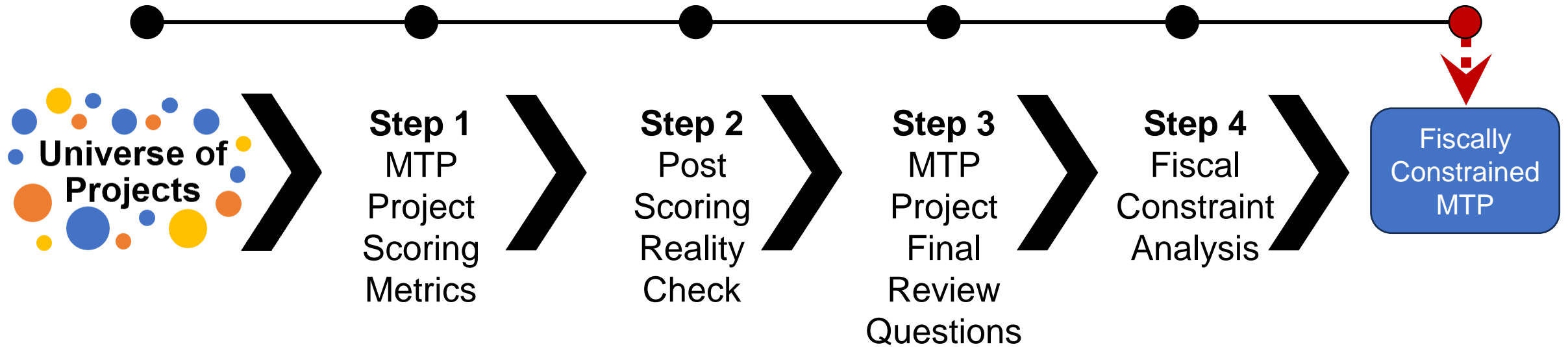
- Do the projects:
 - Address key issues/topics in the MIC region?
 - Align with the MTP goals and objectives?
- Final review question answers
 - YES / NO (some with a range of options)
 - Will require some input from the jurisdictions
- Transparent process

Step 4 – Fiscal Constraint Analysis



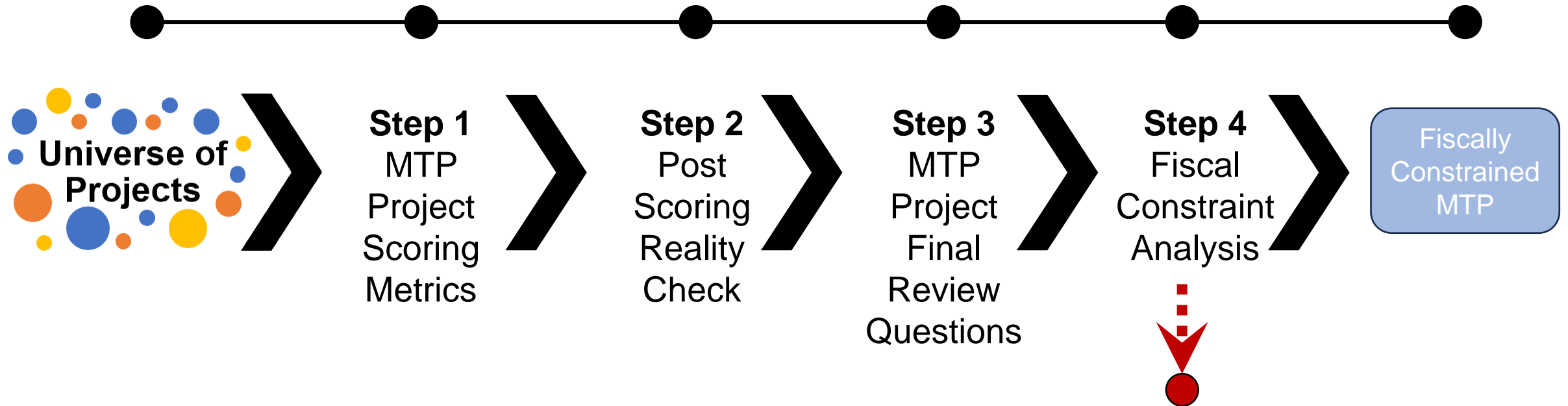
- Top projects reviewed as part of the fiscal constraint analysis
- Compare project costs vs. projected revenues
- Other factors to consider:
 - When is the project needed?
 - What is the total project cost?
 - Can it be broken into phases?

Step 4 – Fiscal Constraint Analysis



- Regionally significant projects that are fiscally constrained through the 2050 planning horizon

Step 4 – Fiscal Constraint Analysis



Regionally significant, unfunded projects, can be added to an **illustrative project list**

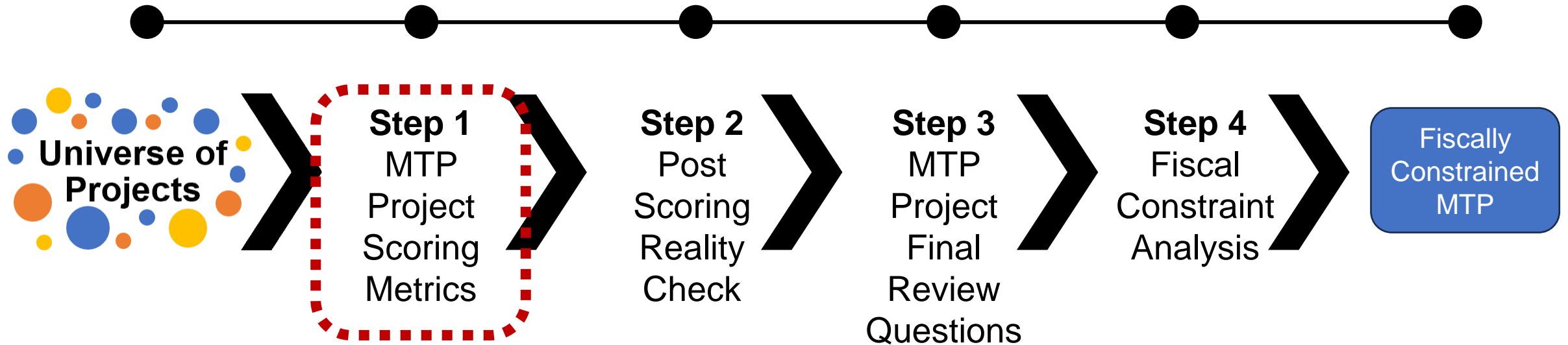


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MTP Project Scoring Metrics (Step 1)



Where does this fit in the framework?



- 1) Number of bike/pedestrian crashes
- 2) Fatal and serious injury vehicle crashes
- 3) Existing Level of Service (LOS)
- 4) Future Year (2050) LOS
- 5) Community connectivity
- 6) Multimodal connectivity
- 7) Short-trip analysis
- 8) Challenging areas (fatal flaws)

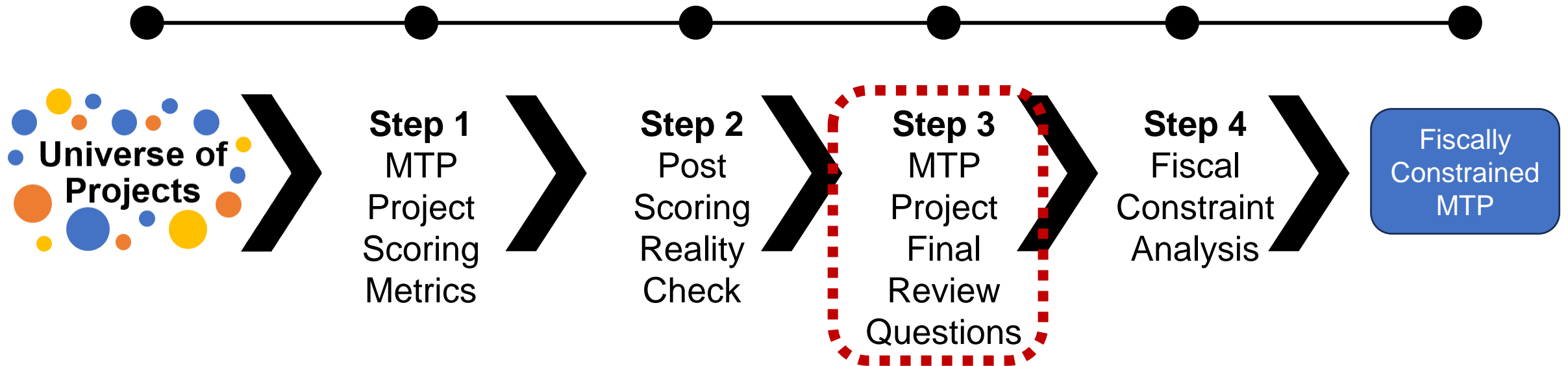


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MTP Project Final Review Questions (Step 3)



Where does this fit in the framework?



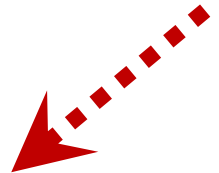
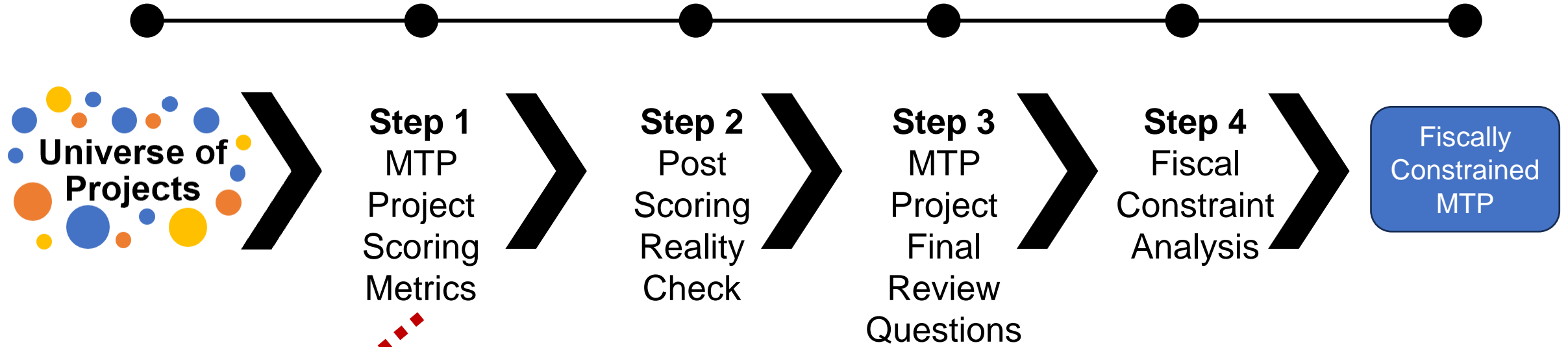
- 1) Address a safety issue
- 2) Maintain current infrastructure
- 3) Expand resiliency or incorporate sustainable design concepts
- 4) Bike, pedestrian, transit integration
- 5) Enhance multimodal connections
- 6) Positive impact on EJ areas or disadvantage population
- 7) Increase system efficiency or emergency response
- 8) Public engagement / support



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Overview of Proposed Scoring

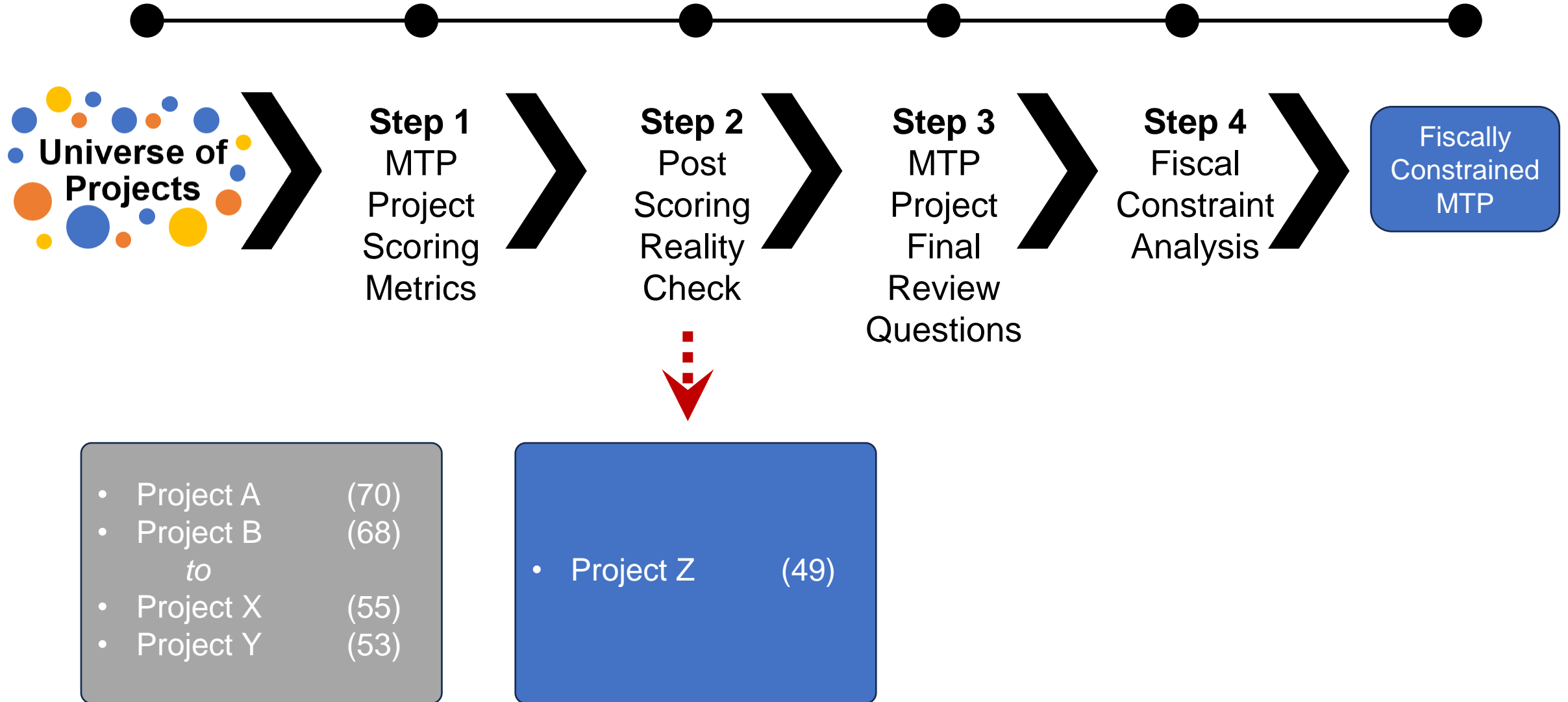
Framework Screening Steps



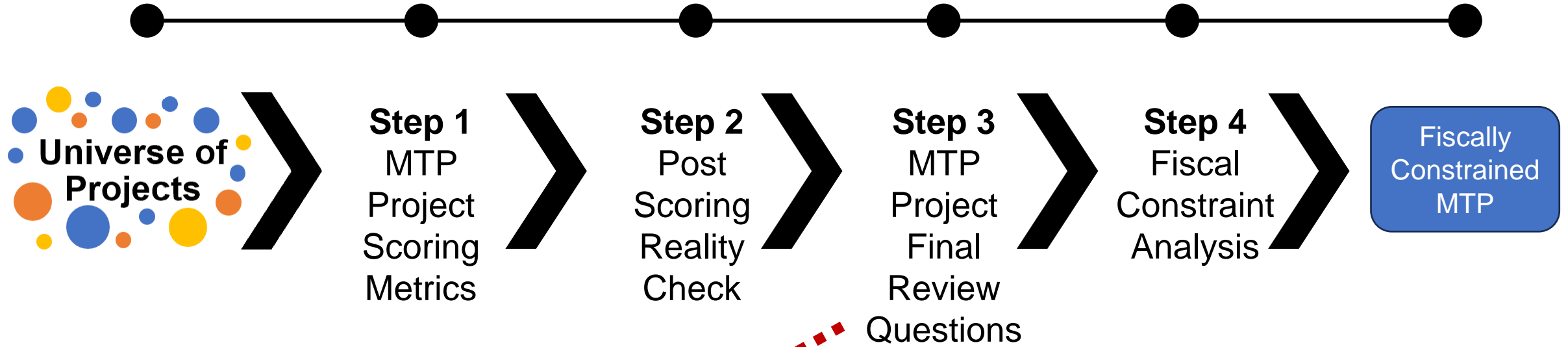
- Project A (70)
- Project B (68)
- to
- Project X (55)
- Project Y (53)

- Approximately 25 projects

Framework Screening Steps



Framework Screening Steps



- Project A
- Project B
- to
- Project X
- Project Y
- Project Z

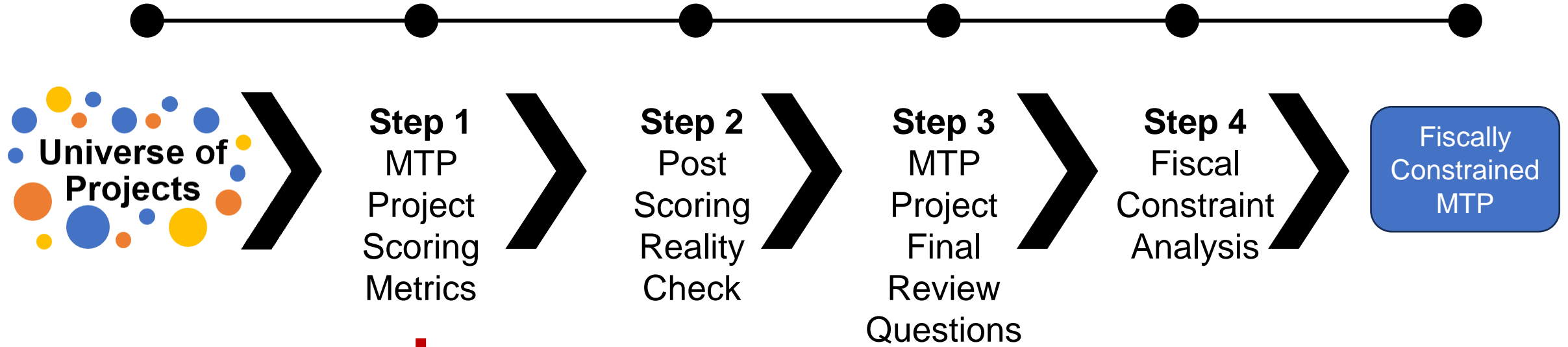
- Question 1
- Question 2
- Question 3
- Questions 4 to 22





Example Question
 Does the project help build or expand resiliency within the transportation system?

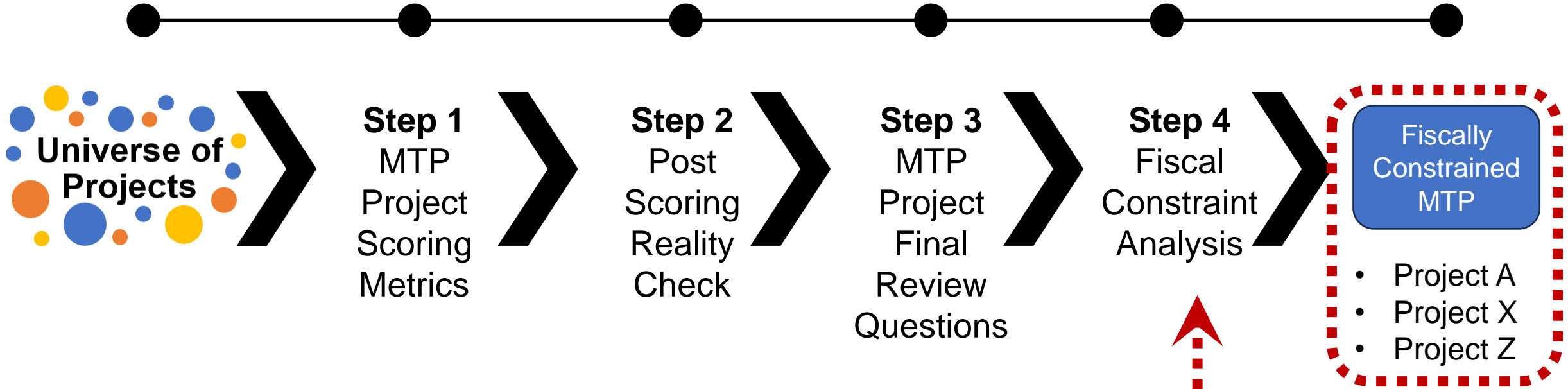
Scoring
 YES / NO / Some with a range of points

Framework Screening Steps



				
<ul style="list-style-type: none"> • Project A (70) • Project B (68) <li style="text-align: center;"><i>to</i> • Project X (56) • Project Y (53) • Project Z (49) 	+	<ul style="list-style-type: none"> • Project A (11) • Project B (16) <li style="text-align: center;"><i>to</i> • Project X (24) • Project Y (8) • Project Z (21) 	=	<p style="text-align: center;">Total Score</p> <ul style="list-style-type: none"> • Project A (81) • Project B (84) <li style="text-align: center;"><i>to</i> • Project X (80) • Project Y (61) • Project Z (70)

Framework Screening Steps



• Project A	(70)
• Project B	(68)
<i>to</i>	
• Project X	(56)
• Project Y	(53)
• Project Z	(49)

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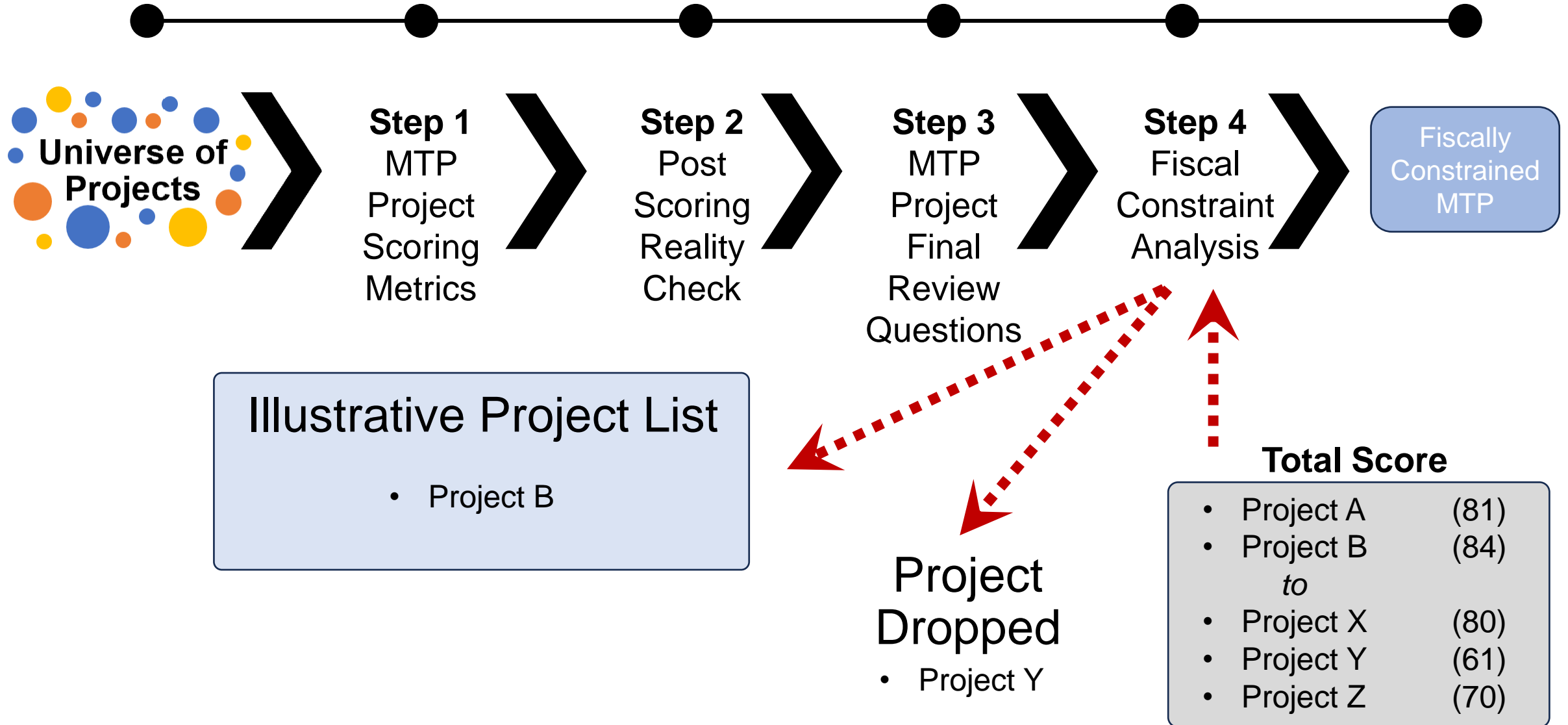
• Project A	(11)
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• Project Z	(21)

=

Total Score

• Project A	(81)
• Project B	(84)
<i>to</i>	
• Project X	(80)
• Project Y	(61)
• Project Z	(70)

Step 4 – Fiscal Constraint Analysis



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Next Steps



What's Next?

Next week

- Send out a summary of the project scoring process (review before March meeting)

March

- TAC Meeting – Finalize the scoring process/framework
- Conduct initial analysis of projects

April

- Send out initial scores to TAC members (about one week before TAC)
- TAC Meeting/Workshop – Present and discuss project scoring results



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Questions / Discussion