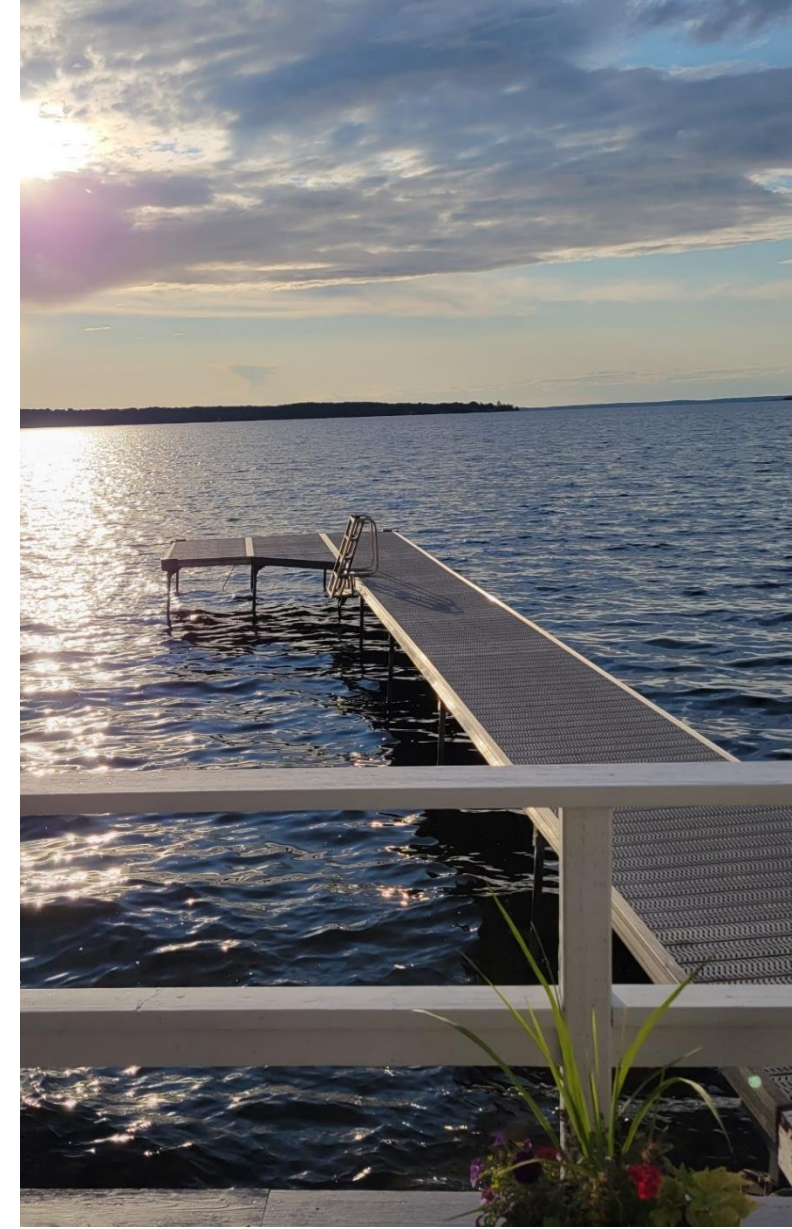


# Supercharge Your Value Studies

**8 Ways to Enhance Team Efficiency and Productivity to Achieve Better Results**

# Today's Presentation...

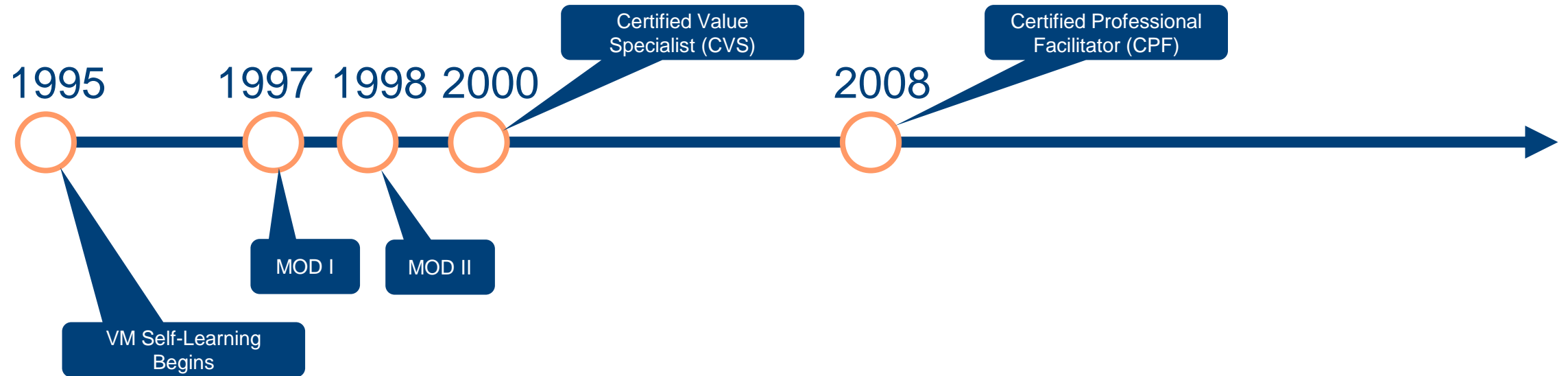
- Five Aspects:
  - Way Back When
  - Challenges
  - Goals
  - Approaches to Consider
  - Summary





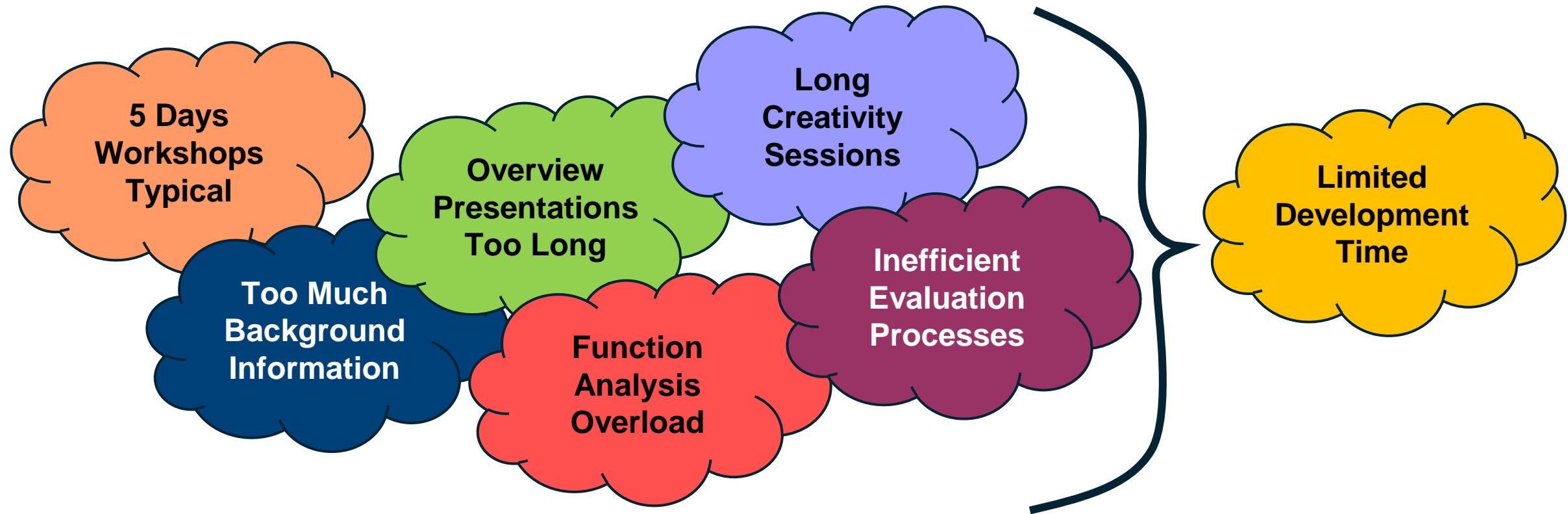
# Way Back When...

- My journey...



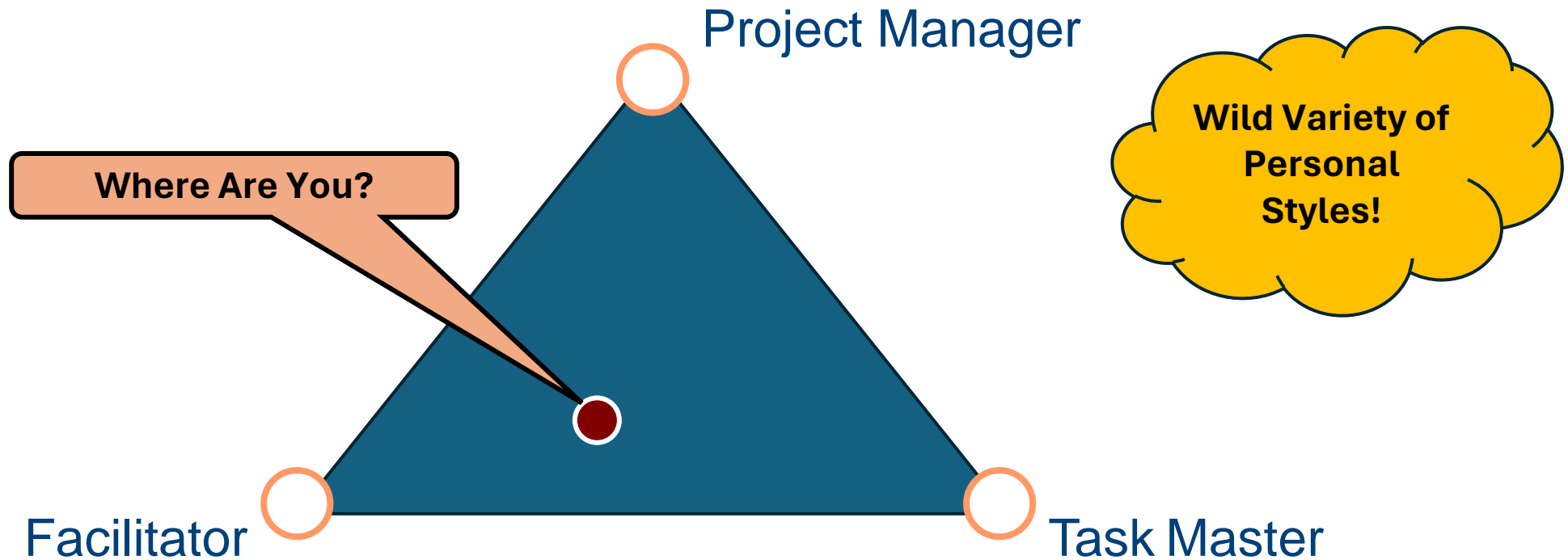
# Way Back When...

- My early experiences/observations...



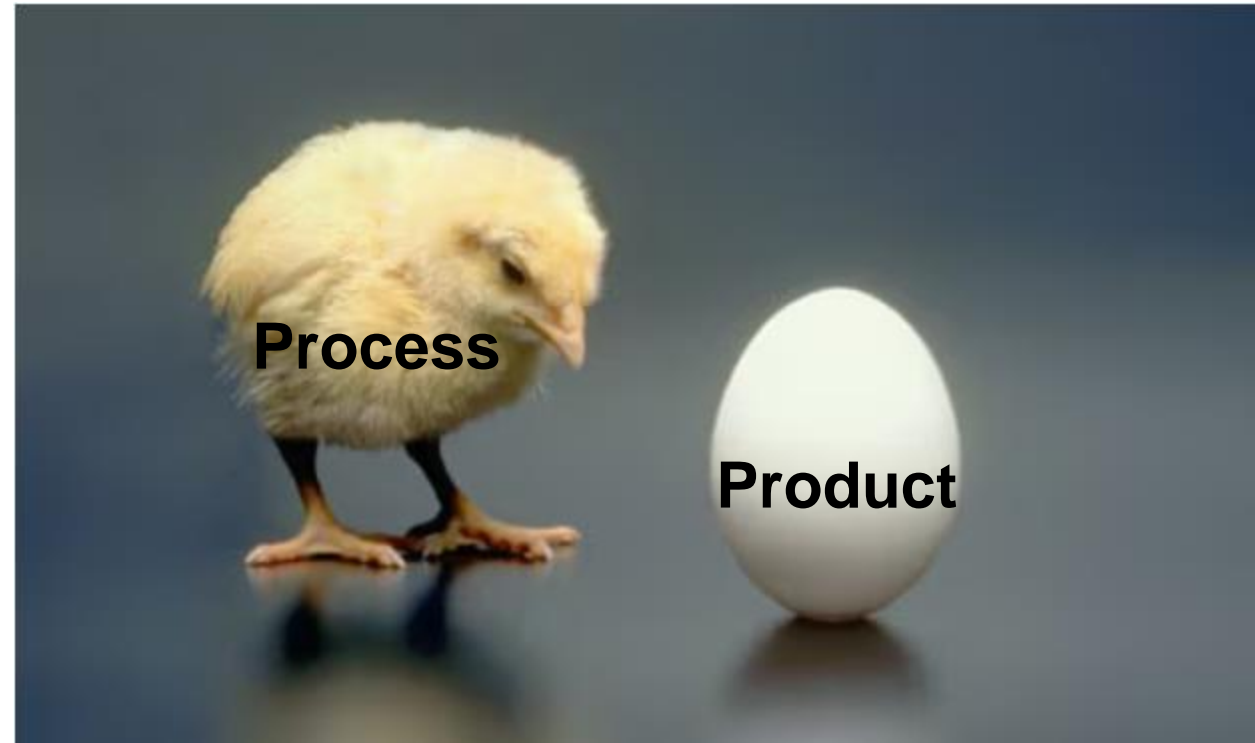
# Way Back When...

- My early experiences/observations...



# Challenges...

- Poor preparation
- Process vs product
- Early agenda slips
- Not enough development time
- Team frustration!



# Goals...

- ~~Do it the way we always do it!~~

**NO!**

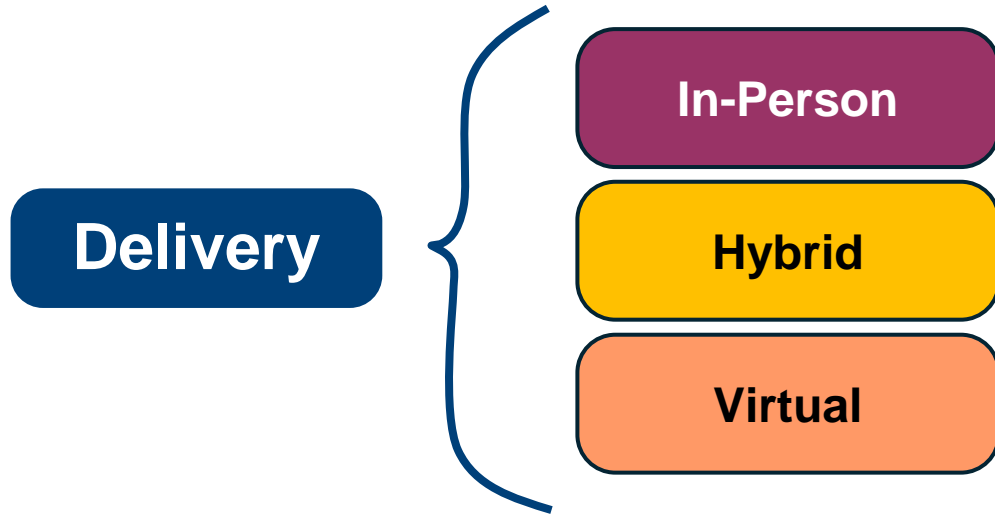
- Enhance team performance
- Create more development time



# Approaches to Consider...

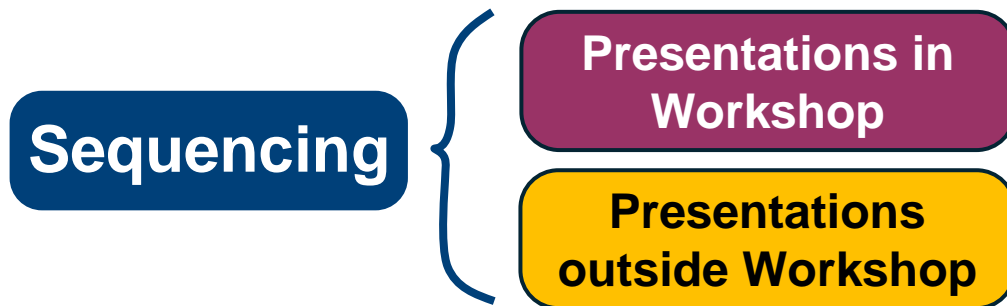
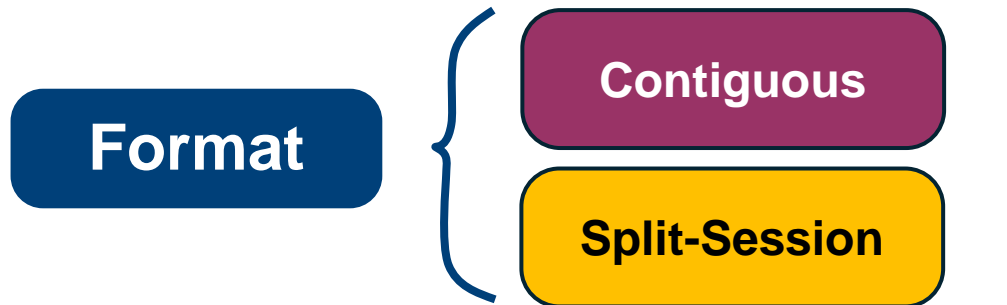
1. Rethink Workshop
2. Prep Team
3. Function SME
4. Rethink Thinking
5. Efficient Choices
6. Plan Development
7. Rock the Talk
8. The Secret!

# 1. Rethink Workshop

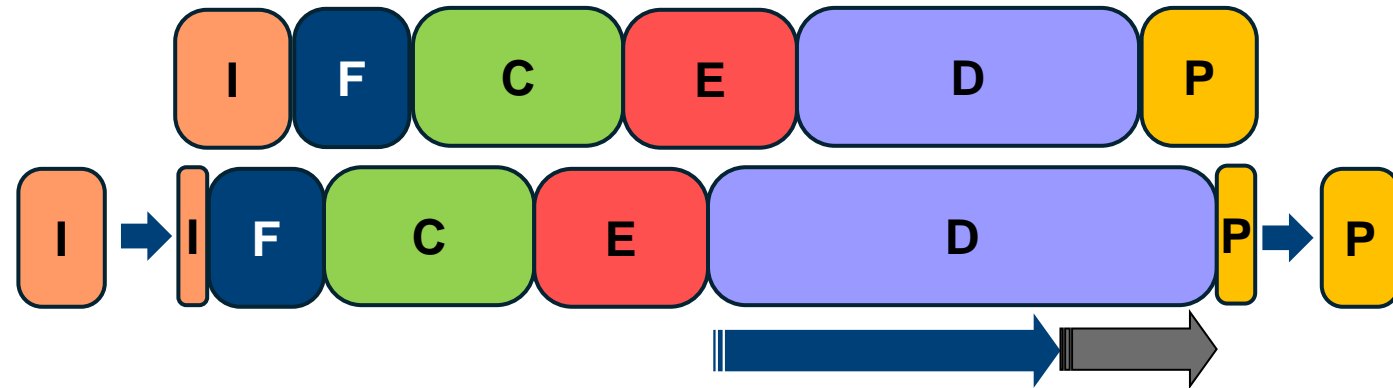


- Some considerations
  - SME Mobilization?
  - Site visit needed?
  - Senior staff attending?
  - Venue availability?
  - Client/owner preference?

# 1. Rethink Workshop

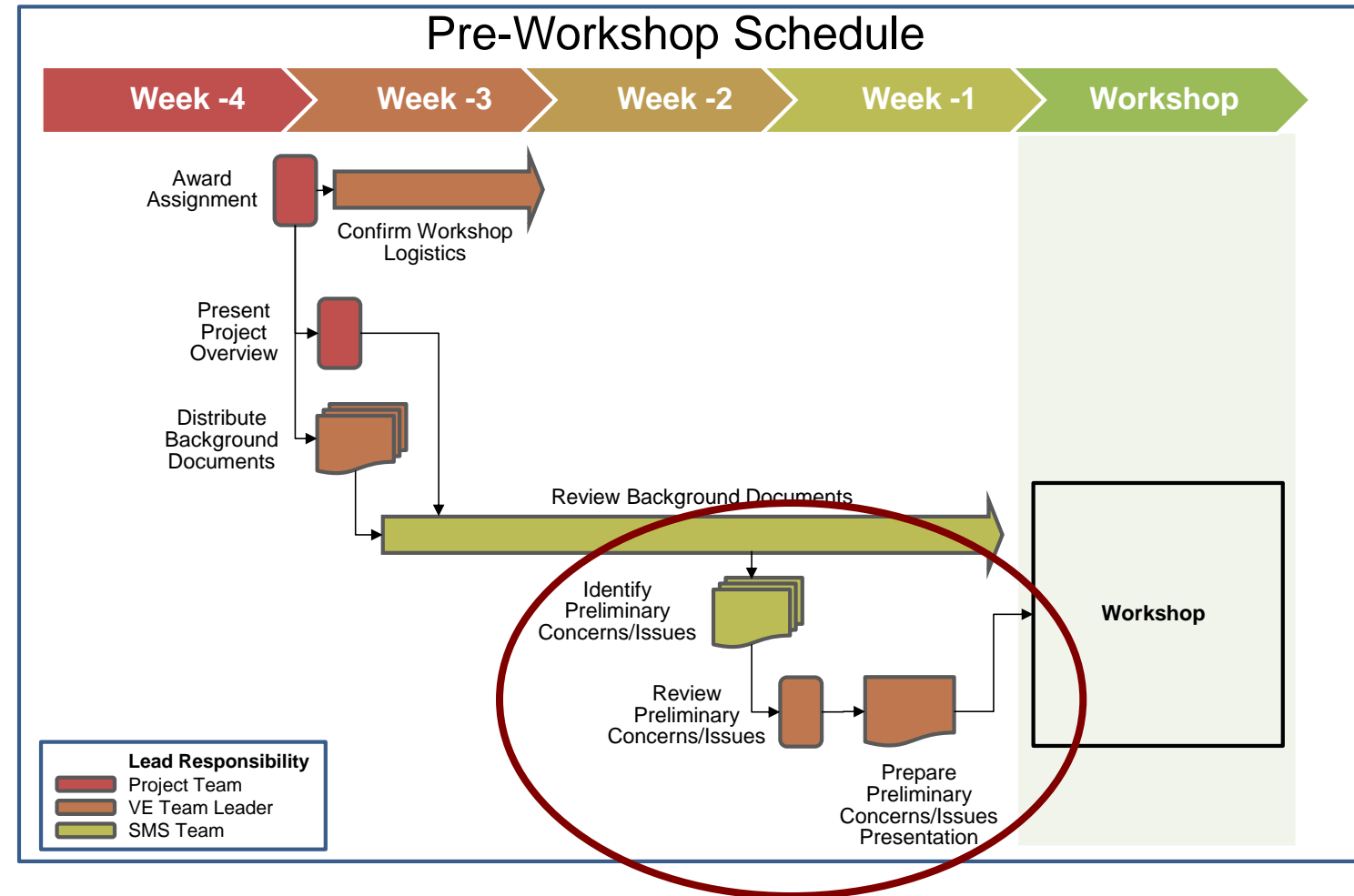


- Some considerations
  - Workshop duration?
  - SME mobilization?
  - Senior staff attending?
  - Results due when?



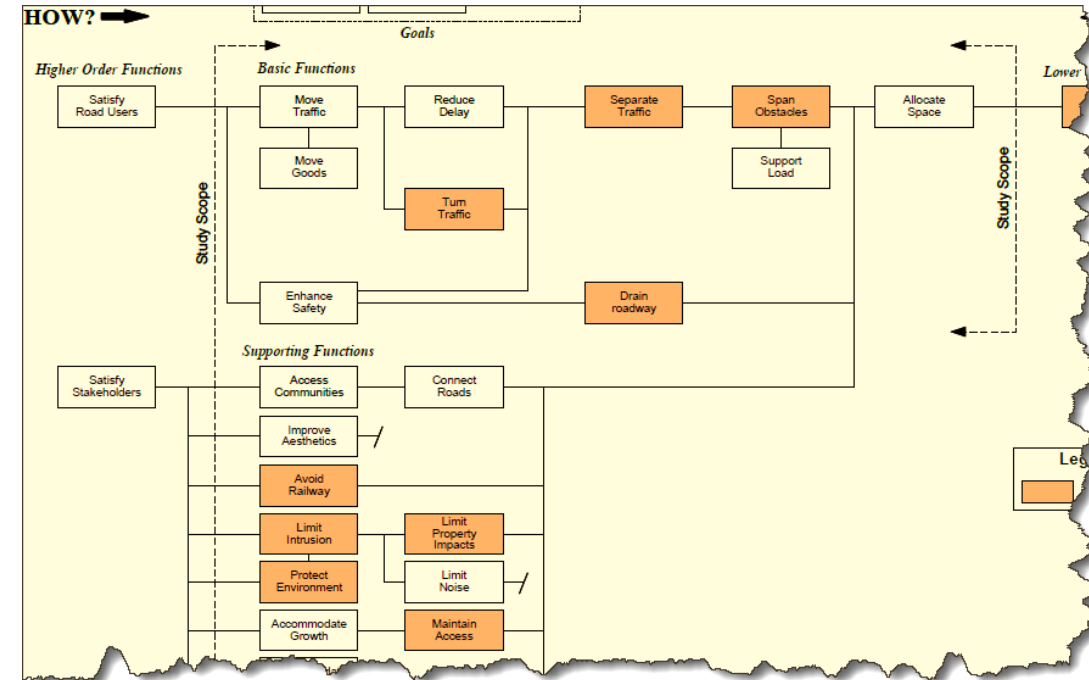
## 2. Prep Team

- SMEs discuss preliminary observations/issues **before** workshop
- Value process tuneup



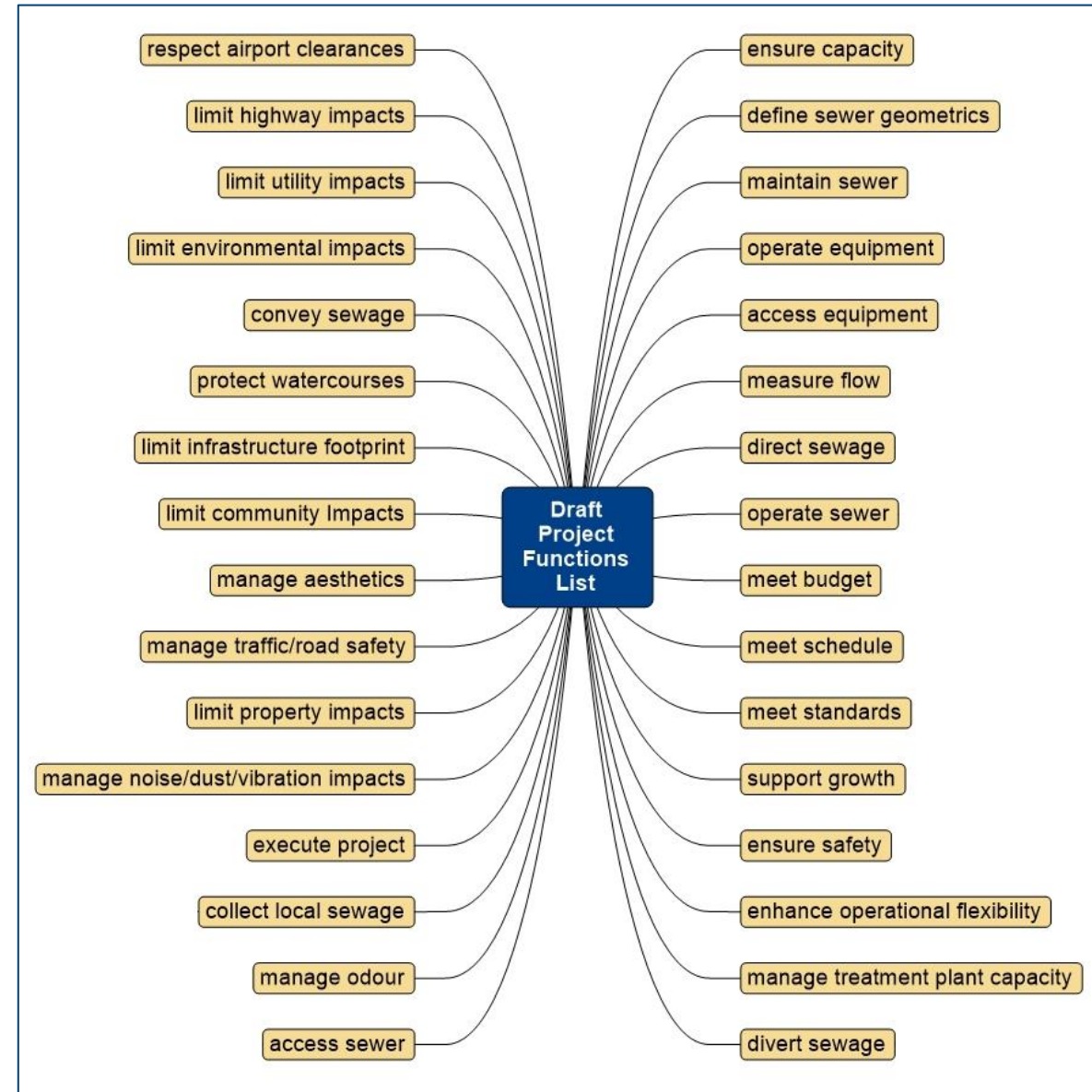
# 3. Function SME

- I was taught function analysis...
  - Helped team to understand project
  - Was a teambuilding exercise
- I found out...
  - Teams usually understood project
  - Teams felt FA was a waste of time
  - Major source of team frustration
    - Took too long
    - Got in the way of idea generation



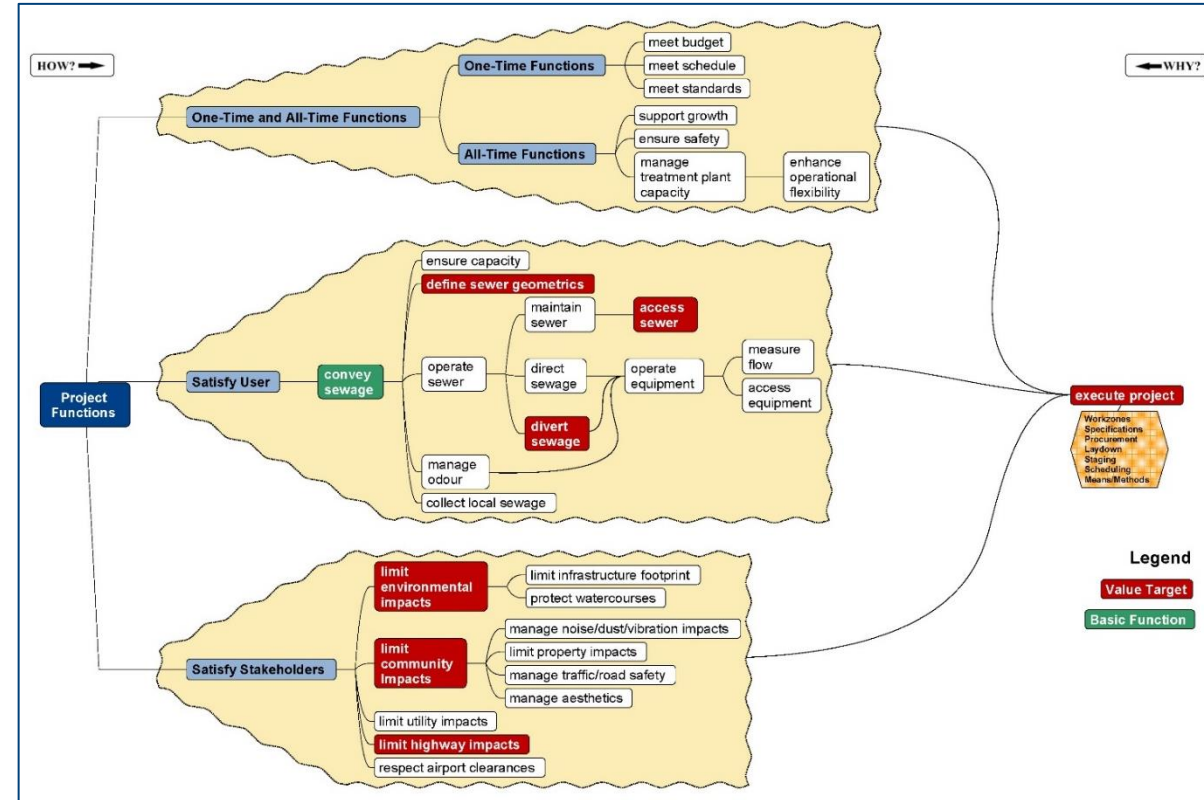
# 3. Function SME

- Team leader also an SME!
  - Function analysis
  - Function pre-work
    - List functions before meeting to extent possible
    - Create a starting point for team
- Enlist SMEs
  - Add/modify/delete functions
  - test interrelationships



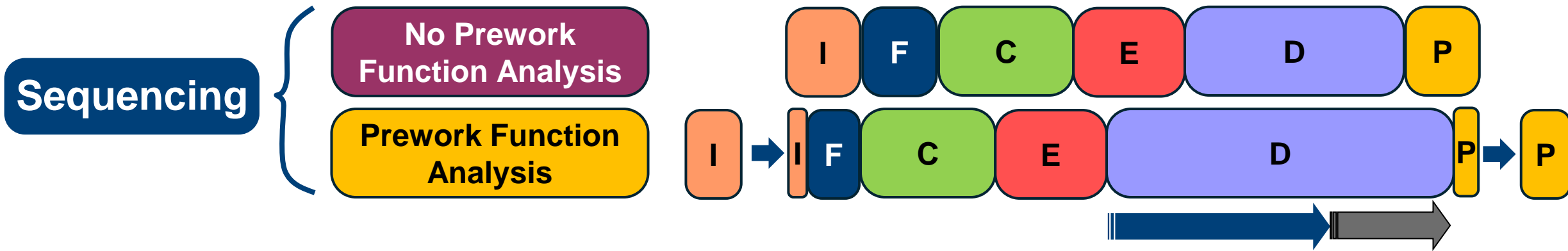
# 3. Function SME

- Functions not exhaustive
  - List to point that creativity is possible
- Graphical function work
  - Highly engaging
  - Intuitive
  - Fast!



# 3. Function SME

- Outcome
  - Function analysis time reduced
  - Development time increased



# 4. Rethink Thinking

- Sequential Brainstorming

- Function by function
- Work as one group - hiding
- Facilitator speedbump – slow

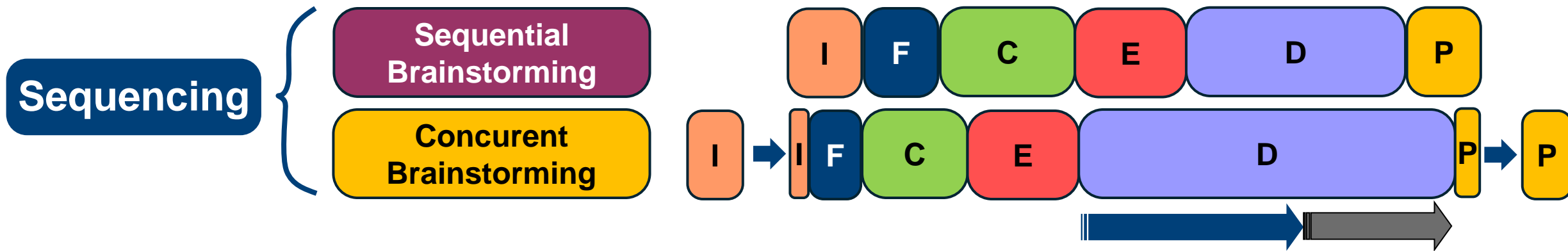
- Concurrent

- Mind dump to kickstart
- Breakout groups/time limits
- Dump'n'clump recording



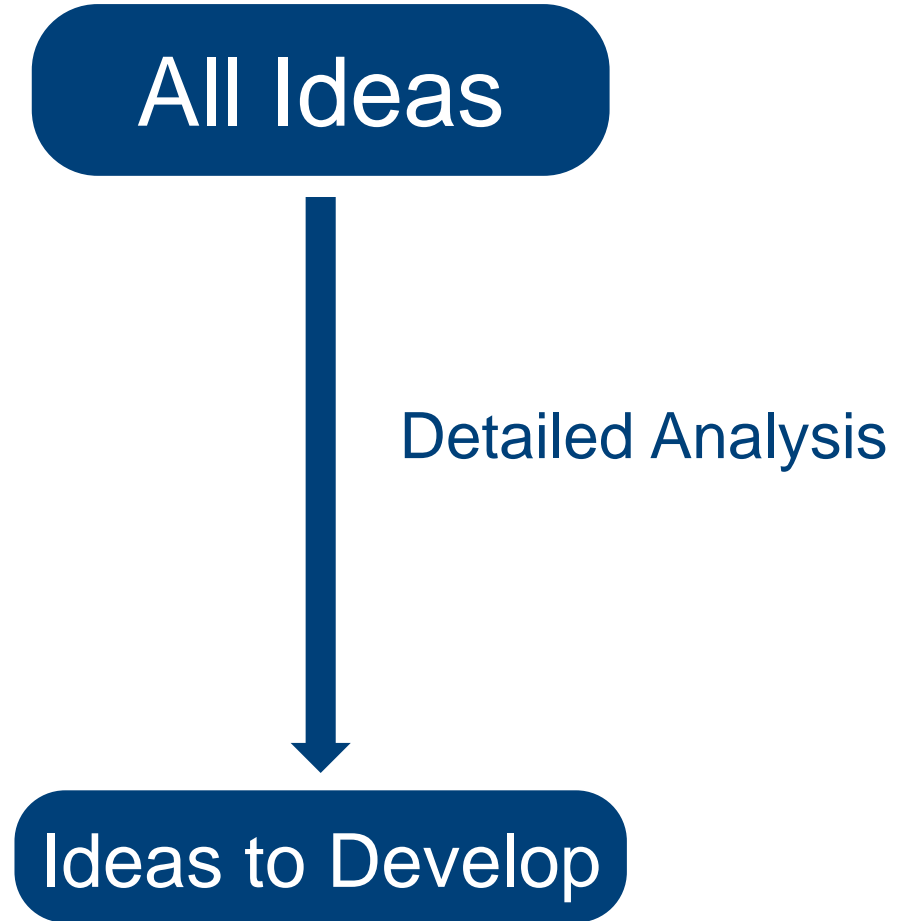
# 4. Rethink Thinking

- Outcome
  - Creativity time reduced
  - Development time increased



# 5. Efficient Choices

- Evaluation process needed to select most appropriate ideas
  - Single step evaluation
    - Detailed review of each idea
    - Time consuming
  - Another potential speedbump
  - Team frustration!



# 5. Efficient Choices

- Evaluation process needed to select most appropriate ideas
  - Two-stage process
    - Championing
      - 1/3 rule
      - Premised on SME experience
    - Consensus
      - Detailed analysis of shortlisted ideas
      - Considers functional performance attributes



# 5. Efficient Choices

- Functional Performance Attributes

- Key functions that differentiate ideas

- Typically limit to 5-6 FPA

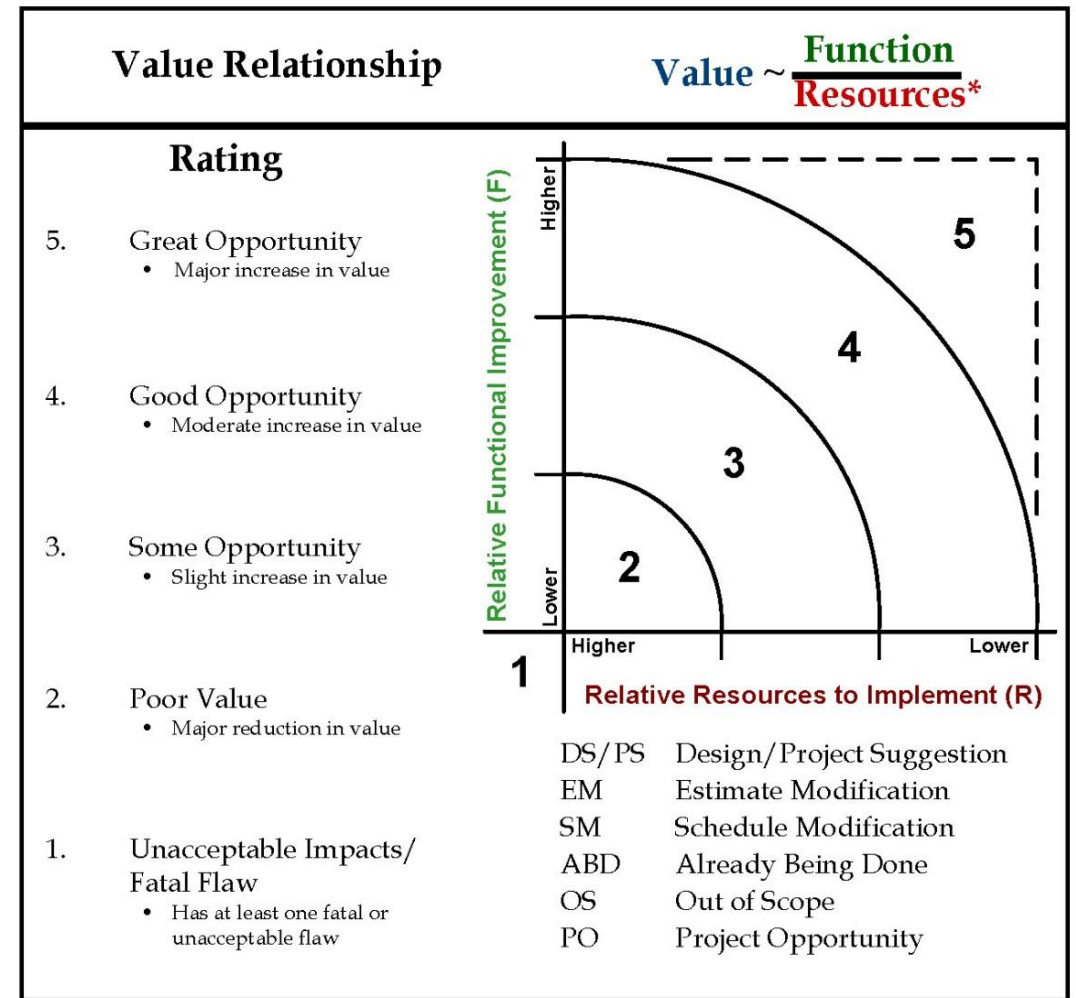
Exhibit 1 – Functional Performance Attributes

Functional Attribute	Performance Definition	Aspects to Consider
Enhance Road Operations	<ul style="list-style-type: none"> <li>a measure of how the road network can accommodate road users over time</li> </ul>	<ul style="list-style-type: none"> <li>major travel desire lines</li> <li>level of service (all modes)</li> <li>network connectivity</li> <li>routing choices</li> <li>safety (all modes)</li> </ul>
Enhance Development Opportunities	<ul style="list-style-type: none"> <li>a measure of how the road network influences and impacts land development over time</li> </ul>	<ul style="list-style-type: none"> <li>development parcel size/shape</li> <li>access locations</li> <li></li> </ul>
Support Airport Initiatives	<ul style="list-style-type: none"> <li>a measure of how the road network can support airport operations over time</li> </ul>	<ul style="list-style-type: none"> <li>runway expansion plans</li> <li>airport land development</li> <li>access locations</li> <li>runway surfaces influence</li> </ul>
Maintain Flexibility for the Future	<ul style="list-style-type: none"> <li>a measure of how the road network can accommodate and adapt to changing service needs and fleet evolution over time</li> </ul>	<ul style="list-style-type: none"> <li>road classification evolution</li> <li>right-of-way requirements</li> <li>future interchange footprints</li> </ul>
Limit Property Impacts	<ul style="list-style-type: none"> <li>a measure of how the road network impacts property over time</li> </ul>	<ul style="list-style-type: none"> <li>extent of property required</li> <li>impacts to existing uses</li> </ul>
Execute Project	<ul style="list-style-type: none"> <li>a measure of how the road network would be implemented over time</li> </ul>	<ul style="list-style-type: none"> <li>compatibility with official plan(s)</li> <li>how well can network be staged</li> <li>managing cash flow</li> </ul>

# 5. Efficient Choices

- Value Index

- Quick
- Focused
- Converged consensus



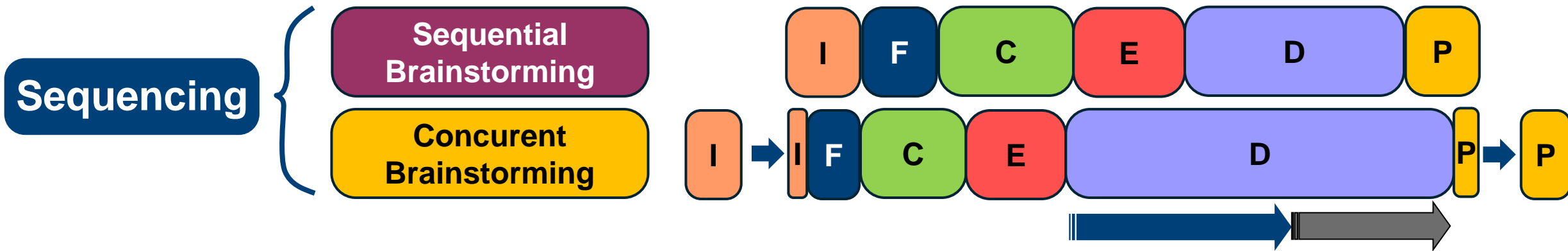
Notes:

- Ideas receiving a value index rating greater than 3 are typically carried forward for development into value opportunities
- F = Function where function is defined as the necessary performance to satisfy the users need
- R = Resources

\* Resources can be monetary (cost), schedule, space, time, environmental, etc.

# 5. Efficient Choices

- Outcome
  - Evaluation time reduced
  - Development time increased



# 6. Plan Development

- Consider mini-teams
- Pre-meeting of each team
  - Discuss/clarify
  - Assign tasks
  - Take advantage of strengths
- **Slides first!**
  - Crystallizes thought
  - Identifies trouble/issues
  - Creates outline for writeup



# 7. Rock the Talk

- Make ideas come alive!
- Organize to win
  - Function or topic sequenced?
  - Critical/controversial issue first/last?
- Should every idea be presented?
- Control presentation time
  - Consider full end-stop (finish at lunch!)
  - Heavily moderate SMEs
  - Ensure limited text on slides!

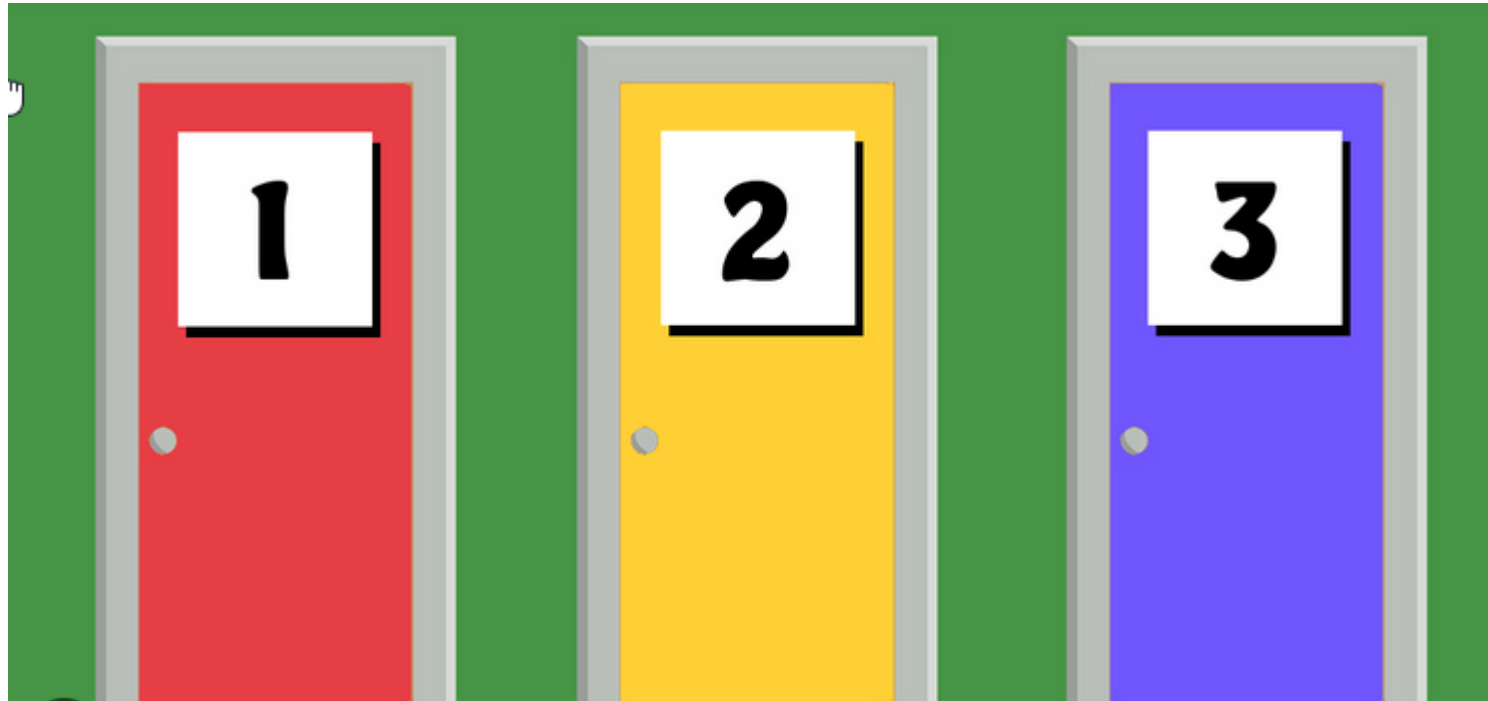


# Recap...

1. Rethink Workshop
2. Prep Team
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8. The Secret!

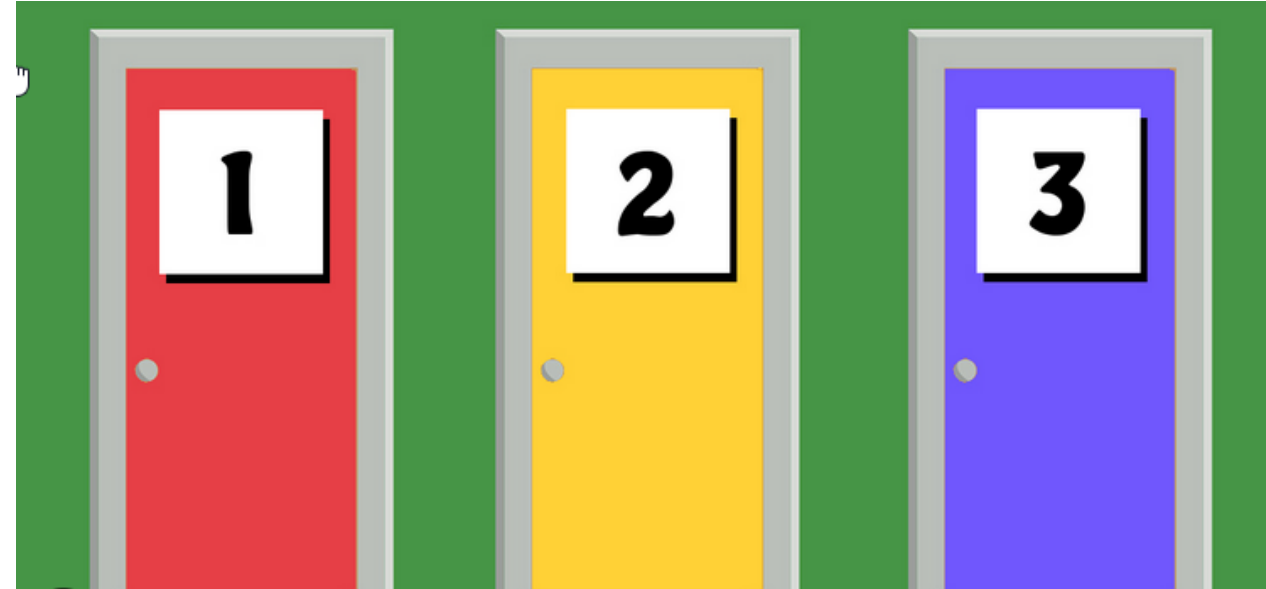
## 8. The Secret!

- After all these different approaches you want more?



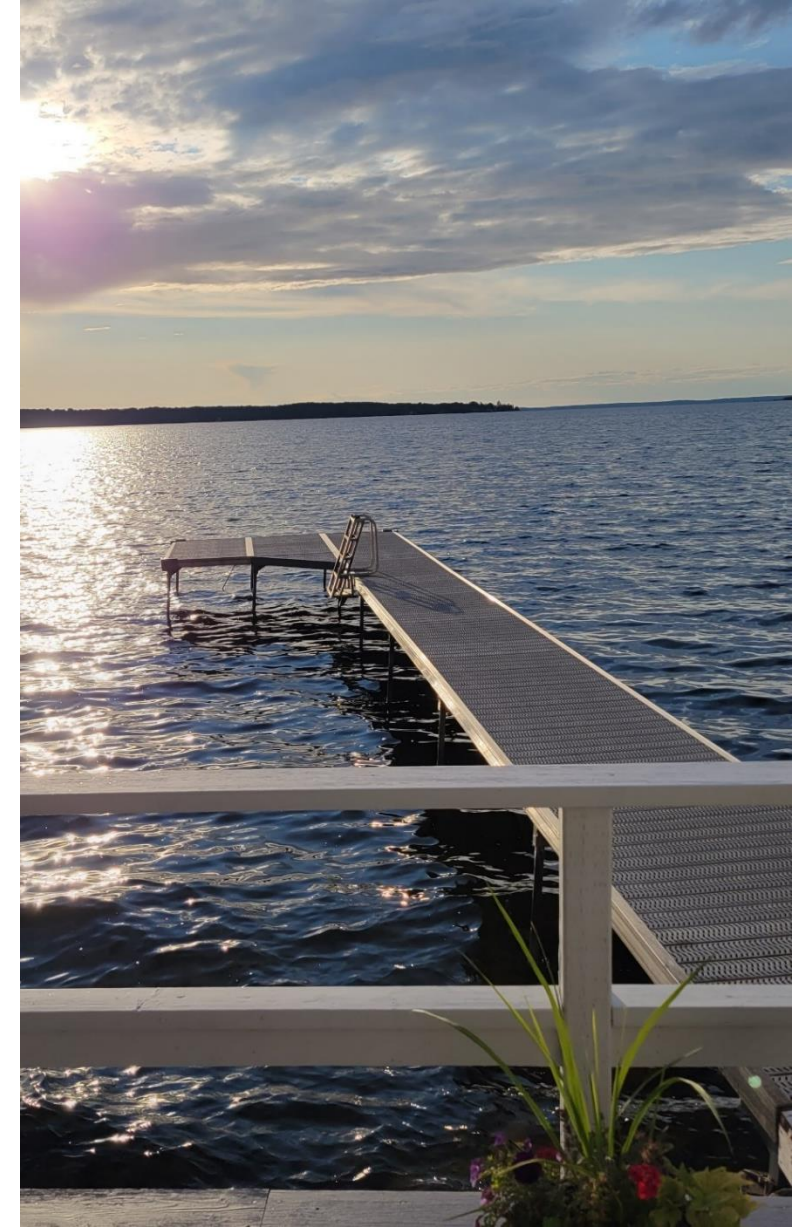
## 8. The Secret!

- What works for me...
  - Be energized!
  - Expect need to adapt!
  - Have fun!



# Summary...

- Five Aspects:
  - Way Back When
  - Challenges
  - Goals
  - Approaches to Consider
  - Summary



# Contact

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