



## Accelerate Collaboration and Innovation with Value Stream Mapping

**Shaaron A Alvares**

Sr. Agile DevOps Transformation Coach  
T-Mobile

Twitter: @shaaron2010

# About Me



**Shaaron A Alvares**

Sr. Agile & DevOps Coach, T-Mobile

Ambassador, DevOps Institute

Editor, InfoQ

@shaaron2010

# Agenda



- Defining Value Stream Mapping
- Mapping The Flow Of Value
- VSM As An Organizational & Cultural Capability



- Understanding Waste *versus* Value
- VSM Common Challenges & Resistance
- Value Stream Mapping In Practice



- Cultural & Behavioral Transformation
- Business & Organizational Outcomes
- Key Success Factors

# Key Takeaways



**Why and How To Factor The Human & Cultural Side in VSM**



**How To Prepare & Run a Successful VSM**



**How To Develop a Collaborative Prioritized Transformation Backlog**



**Value Stream Mapping as a Cultural & Innovation Capability**

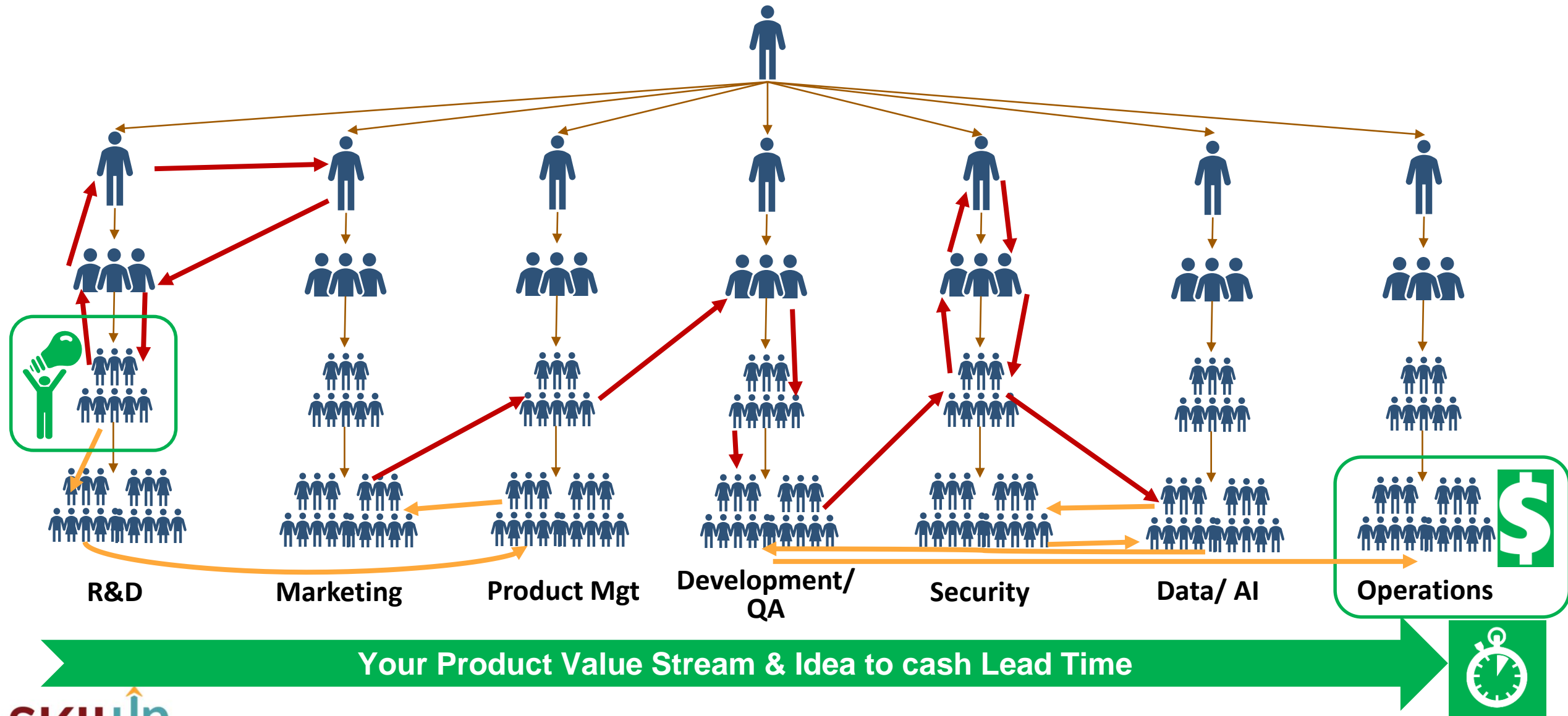
# Defining Value Stream Mapping

“ Value Stream Mapping is a practice that consists of mapping, analyzing and measuring all step by step activities involved in delivering value to the end users, with the purpose of reducing or removing waste. ”

“ The outputs of Value Stream Mapping are maps showing the current state, the future state, a transformational improvement backlog and a plan for delivering it. ”



# Mapping The Flow of Value



*“Doing DevOps is not difficult, but to really get the full power of it, you need to make changes in how you structure your organization, **how you make the work flow through your organization.**”*



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– Mark Schwartz on [DevOps and Bureaucracy](#)

# **“ The Most Valuable DevOps Tool is Value Stream Mapping ”**

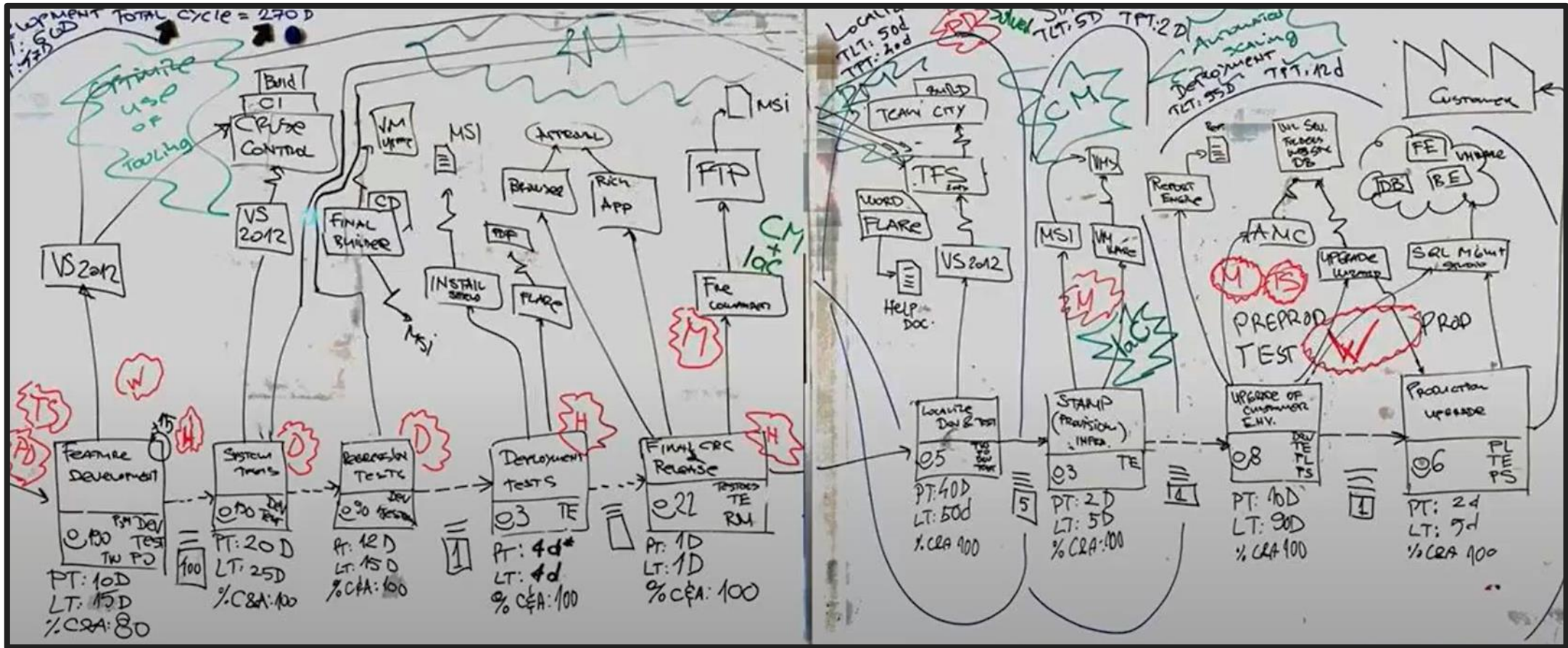
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– Shaaron A Alvares





# Value Stream Map – Sample



# Cross-Functional Communication, Collaboration & Cooperation



# VSM As An Organizational & Cultural Capability



# Understanding Waste *versus* Value



## Non Value-Add Waste Necessary vs Unnecessary

- Defects & Rework
- Delays, Wait Time, Bottlenecks
- Over-production: backlog waste
- Over-processing: recreating the wheel
- Transportation: silos, gates, handoffs
- Unnecessary motions: task switching
- Inventory: Too much WIP
- Non-utilized talent
- Management activities (Status)
- Manual activities
- Etc.



## Value-Add Activities

- Market Research
- Concept development
- Spike/ Prototype
- Backlog/ Features
- Planning
- Build
- Deploy
- Etc.

# Common VSM Challenges & Resistance



## ORGANIZATIONAL

- Hierarchy
- New investments
- New processes and tools
- Business constraints
- New tools integration
- Automation
- Teams' reorgs
- Vendors Mgt



## CULTURAL

- New ways of thinking
- Business & Tech close collaboration
- Knowledge & upskilling
- Leadership alignment & engagement
- Automation

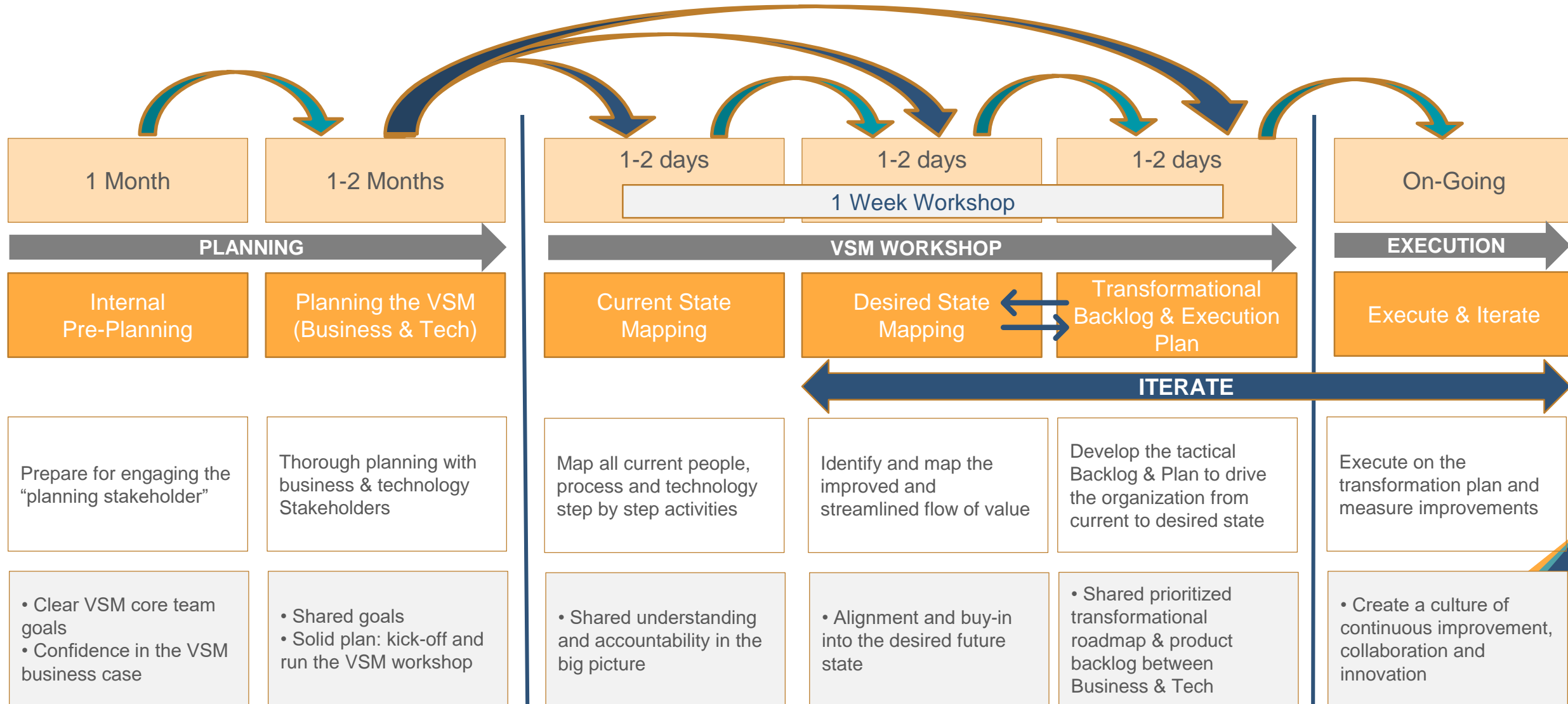


## LARGE SCALE

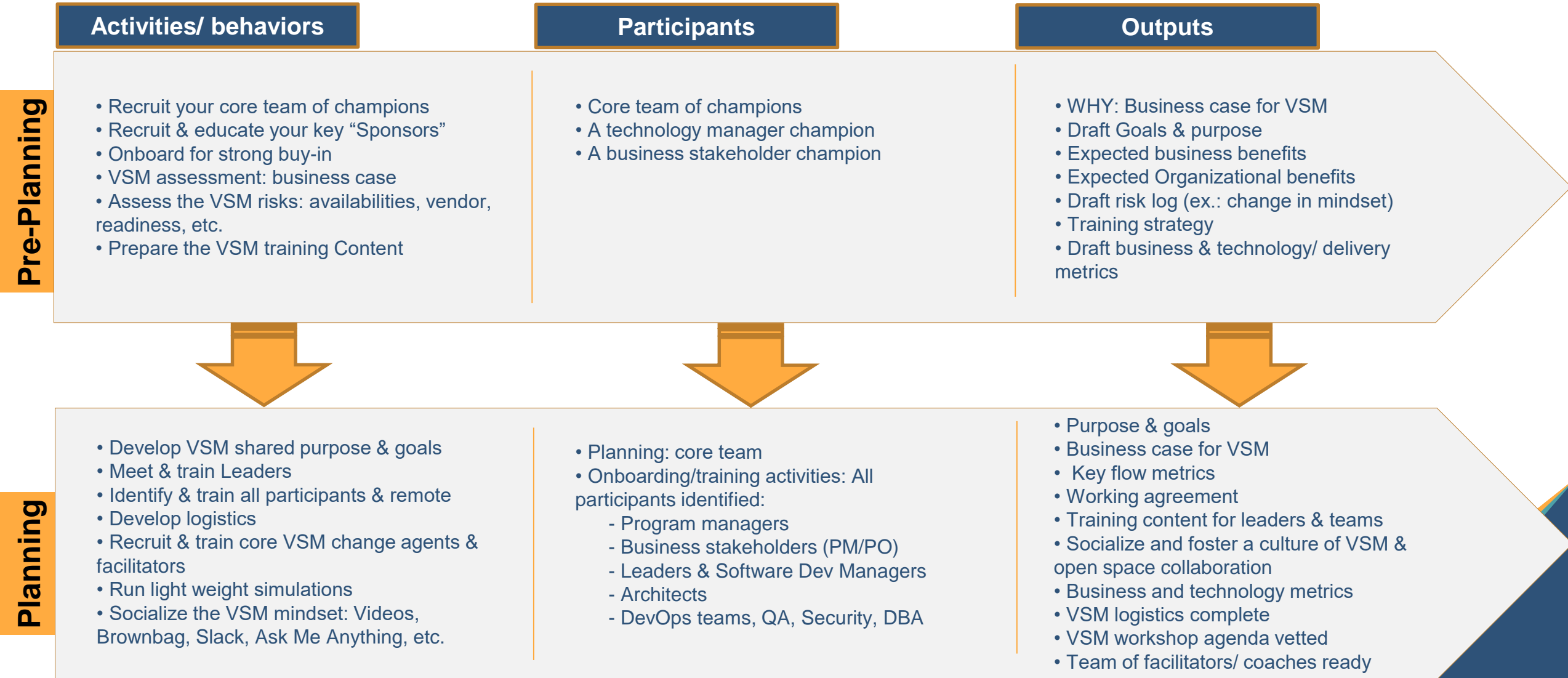
- Facilitation & coordination
- Buy-In
- Alignment
- Participation
- Momentum
- Complex challenges



# Value Stream Mapping In Practice



# Planning Phases



# Planning Phases

Pre-Planning

## Activities/ behaviors

- Recruit your core team of champions
- Recruit & educate your key “Sponsors”
- Onboard for strong buy-in
- VSM assessment: business case
- Assess the VSM risks: availabilities, vendor, readiness, etc.
- Prepare the VSM training Content



Planning

- Develop VSM shared purpose & goals
- Meet & train Leaders
- Identify & train all participants & remote
- Develop logistics
- Recruit & train core VSM change agents & facilitators
- Run light weight simulations
- Socialize the VSM mindset: Videos, Brownbag, Slack, Ask Me Anything, etc.

## Sample Training Plan

- What is VS-Mgt
- What is VS-Mapping
- VSM ROI
- Lean VSM terminology
- Various scale VSM samples
- VSM applied to DevOps
- Case studies
- Real life examples
- Type of waste
- Flow metrics
- VSM integration tools
- Etc.

## Outputs

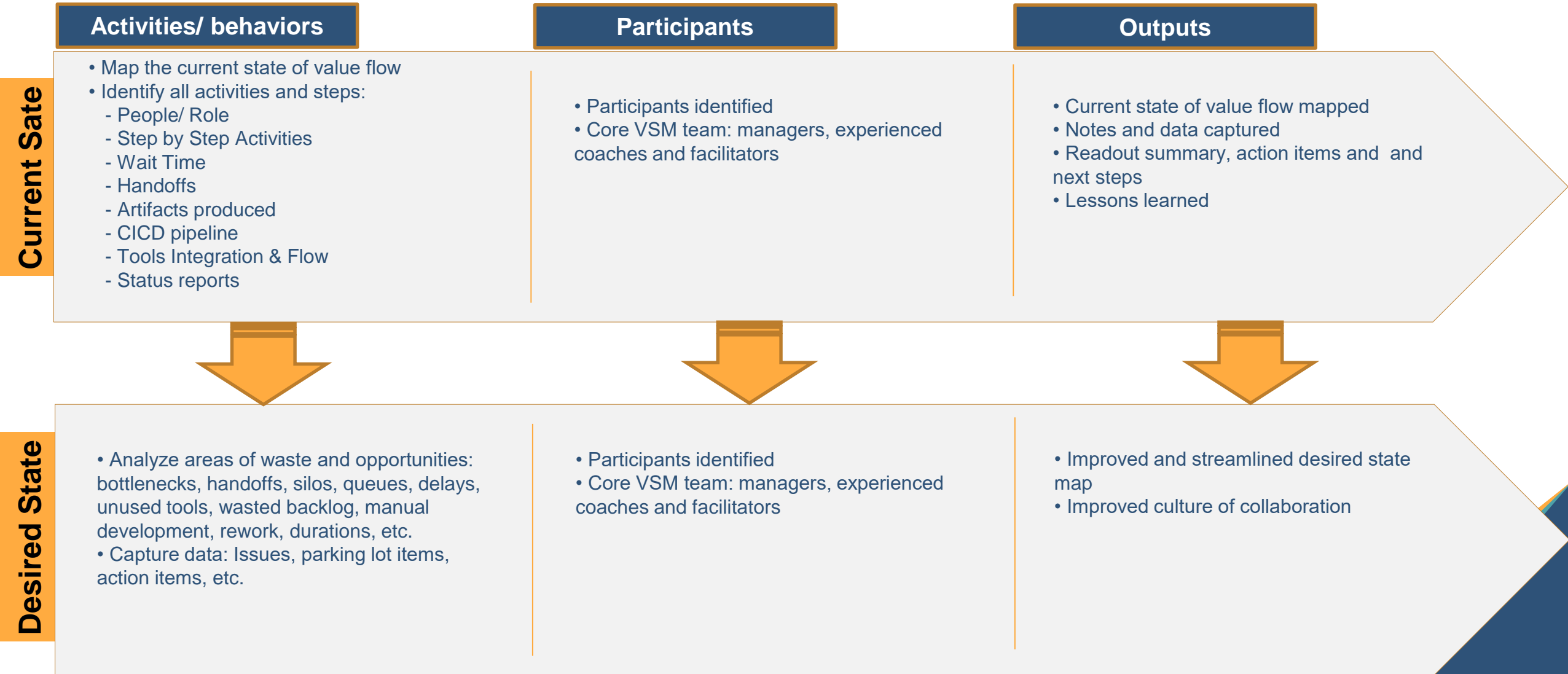
- WHY: Business case for VSM
- Draft Goals & purpose
- Expected business benefits
- Expected Organizational benefits
- Draft risk log (ex.: change in mindset)
- Training strategy
- Draft business & technology/ delivery metrics



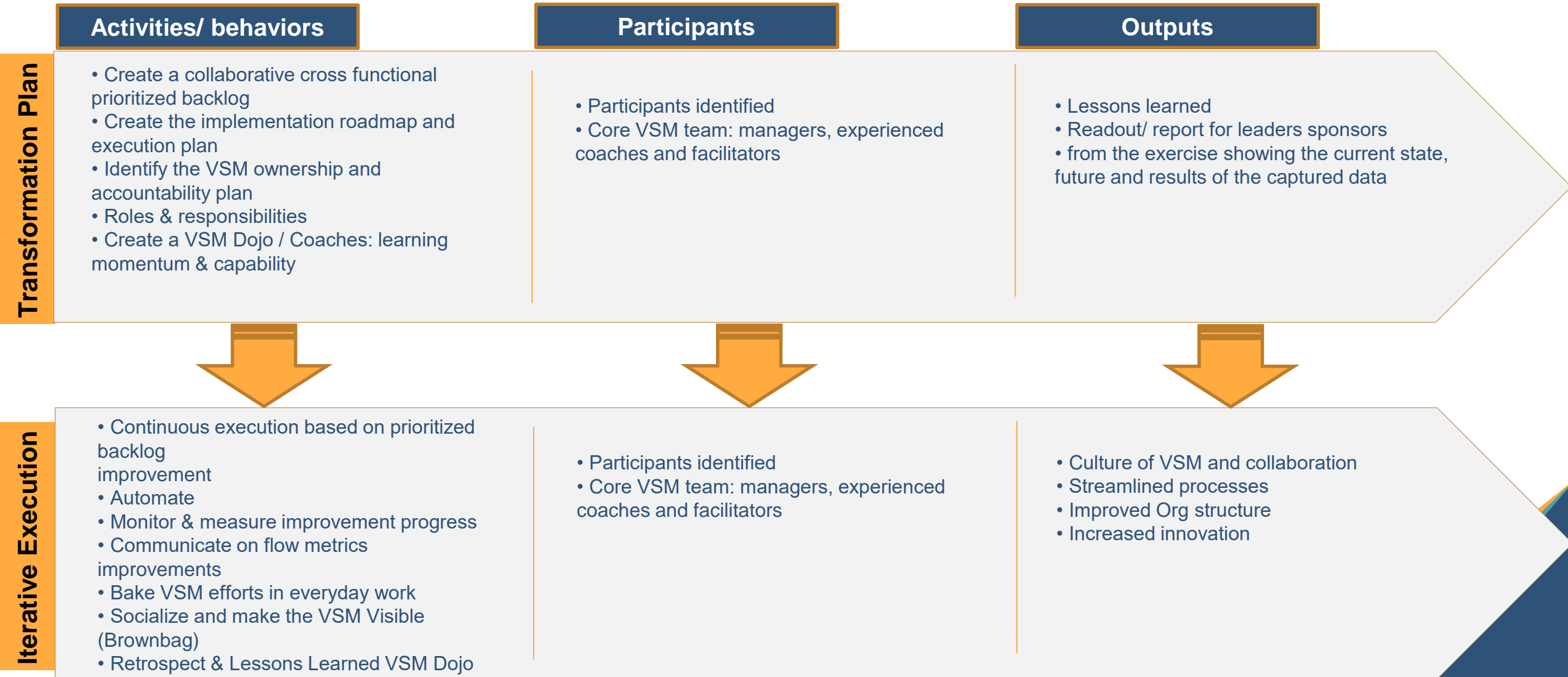
- Purpose & goals
- Business case for VSM
- Key flow metrics
- Working agreement
- Training content for leaders & teams
- Socialize and foster a culture of VSM & open space collaboration
- Business and technology metrics
- VSM logistics complete
- VSM workshop agenda vetted
- Team of facilitators/ coaches ready



# Current & Desired Phases



# Transformational Plan & Execution



# Innovation: Cultural & Behavioral Change

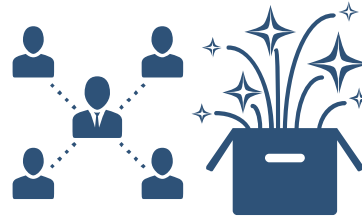
Moving From		To New Ways of Thinking & Working	New Behaviors
Fear of mistakes and blame	➔	Acknowledging gaps and process opportunities	<ul style="list-style-type: none"> <li>• Transparency &amp; vulnerability</li> <li>• Courage &amp; Honesty</li> <li>• Everyone fosters safety</li> </ul>
Culture and org fit	➔	Challenge the status quo & current cultural thinking patterns	<ul style="list-style-type: none"> <li>• Challenge the culture</li> <li>• Challenge org structure</li> <li>• Challenge leadership</li> </ul>
Silos: what's best for me and my team	➔	Big picture: Cross-Organizational collaboration	<ul style="list-style-type: none"> <li>• Business &amp; Technology collaboration &amp; cooperation</li> <li>• Cross-teams collaboration: reduce handoffs</li> <li>• Leadership collaboration and alignment</li> </ul>
Culture of hierarchy & followers	➔	Everyone's a Leader	<ul style="list-style-type: none"> <li>• Team empowerment</li> <li>• Lead without a title</li> <li>• Develop creative leaders and problem-solvers</li> </ul>
Org divides and individual business goals	➔	Shared Purpose and Outcomes	<ul style="list-style-type: none"> <li>• People come together to win as a team</li> <li>• Teams influence org structure &amp; development</li> <li>• Improved engagement and culture</li> </ul>
SMEs, Role and growth boundaries	➔	Upskilling & cross-pollination	<ul style="list-style-type: none"> <li>• Sharing knowledge and learning together</li> <li>• Include all functions and all voices</li> </ul>

# Business and Organizational Outcomes



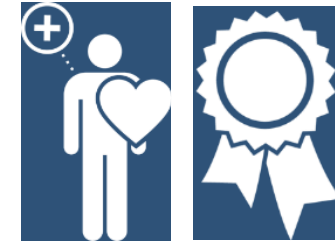
## Business & Technology

- Shared Business prioritized improvement backlog
- Informs thoughtful technology investments
- More time & resources for business ideas & innovation
- Prioritized automation & integrated tools roadmap
- Reduced Time to Market & ROI



## Org & Culture

- Breakdown cross-functional silos
- Greater engagement across all levels of the organization
- Connected enterprise & people



## Workforce

- DevOps teams productivity increase
- Teams empowerment and engagement
- Upskilling through knowledge sharing & cross-pollination
- Automation as a practice & org capability

# Key Success Factors

- Understand the foundation of VSM: **It is a cultural, human & organizational endeavor**
- Don't underestimate training and educating all Stakeholders **on Waste & Behavioral Change**
- Robust Pre-Planning & Planning to make it a **great experience**
- Conscious agreement between Business & Technology on **slowing down before speeding up**
- Keep **system thinking** in mind and optimize with the big picture in mind
- **Align measures on business strategy**
- **Continuously measure** and report on process flow and automation improvements: Tell the story
- **Create a VSM Dojo** to drive the capability and the culture at enterprise level
- **Inclusive:** Everyone Plays a Role: Business, Teams & Leadership

# THANK YOU!

Meet me in the  
Network Chat Lounge  
for questions