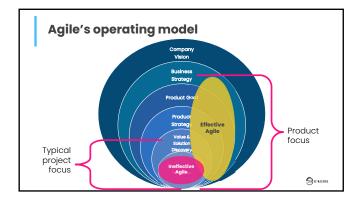
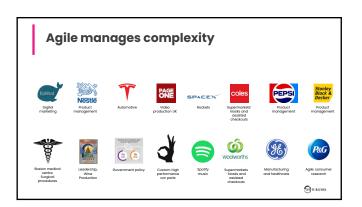
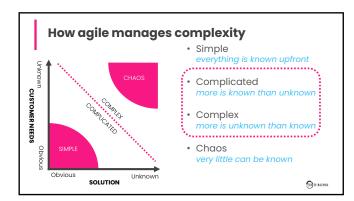


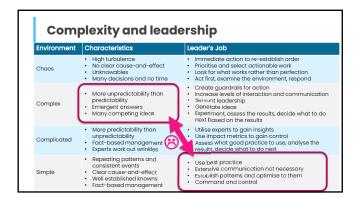
			_			
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Understanding agile product manage	ment					
PROJECTS & PRODU						
	- 					
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		SED ER MYCHINY	J			
			7			
	_					
Projects vs products	?					
Projects	р	oducts				
Led by a Project Manager	Led by a Product Mana					
Fixed, short term	Ongoing, long term					
Deliverable focussed	Value focussed	,				
Assumed certainty through upfront planning Predictive planning and risk management	Acceptance of change Adaptive planning and					
Predictive planning and risk management	management and	Continuous risk				
Stage gates and tasks measure progress	Continuous delivery me					
Change management through contracts	Change embedded int feedback loops	o regular stakeholder				
Time, budget, scope metrics	Impact and outcome r					
Value handed over at the end	Value delivered continu					
Project work not BAU work (ad-hoc delivery) Distribute people across the project(s)	Projects, BAU and all wo Take work to the (long-					
bisanbate people deress the project(e)	Take New to the floring	ivod) todin				
			1			
Agile product manag	gement					
2	J -					
Agile's focus is product	management					
The project organisation • Internally focussed • Top	roject team -down vidual goals and	The project team Committee driven				
Fixed mindset · Individual · Defend existing processes · Individual · Page 1	onsibilities	Management hierarchies Capability silos Groupwork				
Deliver functionality for shareholders Second Sec	interaction up work	Groupwork				
O 		The mails to ma				
Externally focussed Self	agile team -managing	The agile team Product led Sociant leadership				
Create new practices	ss-functional ch interaction m goals & responsibilities	Servant leadership Networks of teams Team work				
	aw of the	Law of the				
	nall Team	Network				
Custoffici	ian roam					

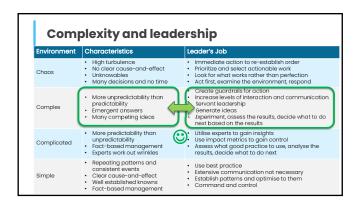
Agile is an umbrella term. Agile is not a methodology! Agile is a different way of thinking that seeks alternatives to traditional project management by focussing on products, outcomes and value. Agile approaches are enacted to help teams respond to unpredictability through incremental, iterative work cadences, known as "Sprints". Agile frameworks are an alternative to waterfall, or traditional sequential work processes.



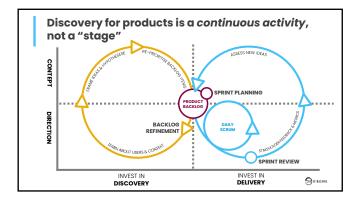












Fastest path to minimal viable product, release, then iterate

- Work Sprint-to-SprintEnsure work is potentially releasable
- Release
- Get feedback
- Iterate based on feedback
- Get more feedback



Lean Startup / DTA DSS	
1	
Adapted from gov.uk's Service DISCOVERY (ALPHA) (BETA) (LIVE)	
pattern often ends up being implemented as linear stage gates (e.g., using PRINCE2	
project management) 💭 🐧 🐧 🐧 🐧 🐧 🐧 🐧 🐧 🐧 🐧 🐧 🐧 🐧	
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1]
Lean Startup	
What is the smallest Laur Faster LEARN BULLD Code Faster and the fast from	
thing we can get sufficient feedback on Fix You Fix Can Analysis fixed plant for the Can Analysis fixed plant for the Can Analysis fixed plant for the Can Analysis	
our product idea is Viable, so we can then Desert constability Courte school pass Viable, so we can then	
spend more money on it? Measure Faster Measure Faste	
Unbilished Experiment	
5	

DEFINING WORK FOR PRODUCT TEAMS

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Writing product scope

- Generic term: Product Backlog Item (PBI from Scrum)
- Often referred to as a "User Story" (Extreme Programming)
- Define just enough of the problem / scope for the team to start delivering the work
- Not traditional "requirements" to "sign off" (the governance is different)

* Stories, intentional design, ADRs, and a workflow/approval tool are sufficient for ANAO audit processes

(TEN) EX MACHI



User Stories format The "User" is the end user/customer/persona, it's not: You. You. Your team. The stakeholder. Your organisation. An IT system. An application.

Othe	er ways to write	product scope
	-	
	Independent	Items can be delivered in any order, based on value.
N	<u>N</u> egotiable	Use sequencing to account for dependencies. Don't treat everything as MOSCOW "must have". Work is co-created by the team, the PO and
(V)	V aluable	tems have identifiable value to customers. Work creates an impact and positive
E	E stimable	outcomes. The scope boundaries about "what" is needed are known.
(S)	<u>S</u> mall	The team can forecast how large the work is. Work fits into a Sprint.
T	<u>T</u> estable	There is clear criteria that demonstrates the outcome has been met, i.e. has "acceptance criteria".
		<u></u>

What about 'acceptance criteria' and other important things?

Additional things you could add:

- Story size and estimates
- Business rules and process steps
- · Acceptance criteria
- Intentional design or high level architecture advice
- Wireframes
- Team delivery notes

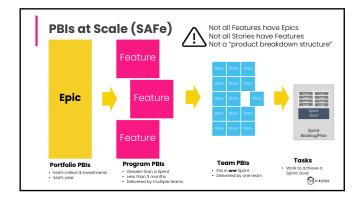
SHE BYCHIAT

Handy hints



- Focus on defining the problem for the team to solve.
- Avoid creating and delegating pre-determined tasks.
- Empower the team to come up with their own solution and plan to solve the problem.
- Then, assess whether the plan and solution is worth investing in (the Product Owner's concern).
- Allow the plan to adapt as the team learn new things about the viability of the solution. Inspect and adapt!

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Measuring product effectiveness of our intended impacts and outcomes

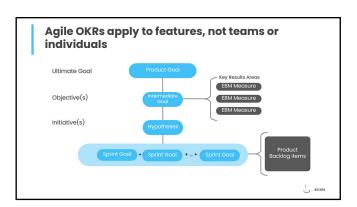
METRICS & REPORTING



Agile OKRs measure impact and outcome re(UV) What area of your customer's needs are you investing in? Valuebased Ability Country Countr What metrics will Metrics change if that investment makes a difference?

(H) EX BACHBA

Agile OKR areas **Unrealised value Current value** · Market share · Satisfaction gap Product cost ratio Customer sentiment Usage index **Ability to innovate** Time to market Lead timeCycle timeTime to learnCapability maturity On product index Time spent context switching Innovation index SHE BYCHIAT



Is our product (and decisions) effective?	
Use Sprint Review to inspect and adapt metrics: • Are the metrics moving? No? • Do you need a change of metrics, features, or both?	

Definition of Done

BUILDING-IN QUALITY

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Building-in Quality

- Teams use a Definition of Done to ensure the quality of their product or service.
- Sets expectations about what the team is required to do to make Increments of work potentially releasable.
- When a Story meets the Definition of Done it becomes an **Increment**.
- Increments are inspected at Sprint Review to elicit feedback on what to do next.

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What's in the Definition of Done

Product quality

- What ever is mandated by the organisation to make the Increment potentially releasable
- Compliance.
- · Non-functional requirements.
- Industry regulations and standards requirements, including security, perform

Quality practices

- Practices to make features fully tested, peer reviewed, and "ready", for release or be handed over
- What ever is considered best-practice by industry, the organisation, and capability managers.

Definition of Done vs Acceptance Criteria Definition of Done Product Backlog Item (PBI) Communications for corporate event Plain-English (Australian). Tasks: Peer reviewed. - Identify attendees (primary and secondary), identify RSVP timings, write copy, Acceptance Criteria: Social media calendar populated in Hubspot. Social media automated and scheduled. Uses corporate template and style guide.

Applies to just this PBI

- Send out invitations

Applies to all PBIs

Originals stored in the Google Drive.

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Definition of Done vs Acceptance Criteria

Product Backlog Item (PBI)

- Town hall event to increase awareness of the strategy for research in the organisation 2020-2025
- Source the strategy, identify key messages, create PowerPoint, book the hall, book telepresence, invite delegates.
- Acceptance Criteria:

 Handed over to the client by Friday 3 March.

Definition of Done

- Plain-English.
 Peer reviewed.
 Uses corporate template and style guide.
 Stored in the shared drive.
 Correspondence answered within 3 days.

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PRIORITISING WORK FOR THE TEAM	
Prioritise so that every Sprint delivers an Increment of value Infrastructure / Architecture Functionality In	
Prioritise work by benefit and outcome Product work is best ordered for delivery by its relative value. At any point in time, one idea, feature, piece of work will deliver more value than others. It's the Product Owner's job to ensure the most valuable work is delivered. Which one will deliver most value today?	

Smarter ways to prioritise work

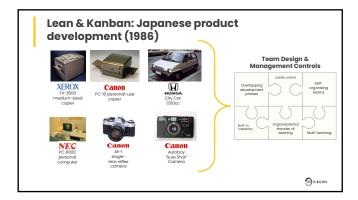
- Priority: either calculated or relative
- Development cohesion: both product and system
- Business cohesion: smaller area of business affected
- Implementation cohesion: steps in a work flow or customer experience
- Intentions: Release grouping
- Cost (impact) of delay: What can't afford to do later?

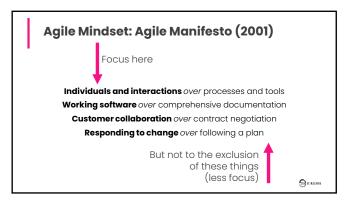
Cohesion simplifies solution development & implementation

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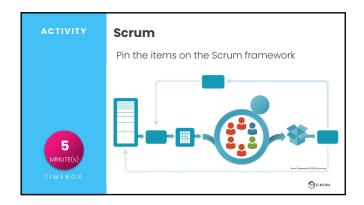
AGILE PRODUCT MANAGEMENT FRAMEWORKS

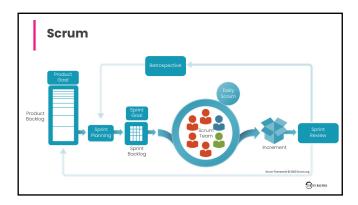
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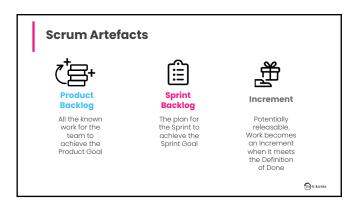


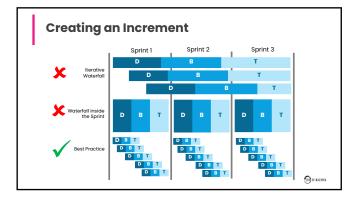












Scrum commitments



Definition of Done

- Quality, standards, compliance, and practices
 Maximum and minimum standard
 Helps stop rework
 Helps avoid gold plating



Sprint Goal



Product Goal

Commitment for focus for team and its delivery of value to the organisation and its customers

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Scrum roles



Product Owner

- Accountable for delivery (of value)
 Budget
 Product Backlog management
 Stakeholder engagement



Scrum Master

- Master

 Accountable for the effectiveness of Scrum to deliver the product's outcomes

 Coach Developers to be cross-functional and self-managing

 Coach stakeholders

 Cause impediments to be removed

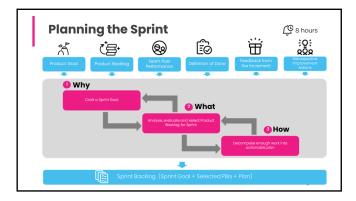


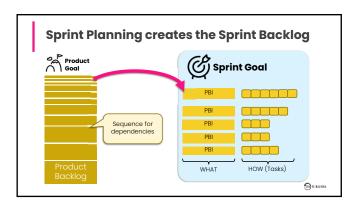


Developers

- People who do the work
 Expected to hold each
 other accountable to
 deliver the work as a
 team
 - SER RYCHIST

Scrum	Events			
	Pur	oose		
Event	Inspect	Adapt	Who Attends	Timebox (1 month)
Sprint Planning	Product Backlog, Product Goal, Definition of Done	Sprint Backlog, Sprint Goal	Scrum Team	8 hours
Daily Scrum	Progress toward Sprint Goal	Sprint Backlog	Developers	15 minutes (always)
Sprint Review	Increment, Sprint, Product Backlog, Progress toward Product Goal	Product Backlog	Scrum Team Stakeholders	4 hours
Sprint Retrospective	Sprint, Definition of Done	Actionable improvements, Definition of Done	Scrum Team	3 hours
Sprint	The container for all events – the heartbeat of Scrum - that turns ideas into value. Continuous refinement. Continuous discovery. Continuous research.			No more than one month





Sprint Goal examples This is good: Our focus is on Achievement We believe it delivers Benefit > to Customer > This will be confirmed when Event happens >	
This is better: Our focus is on <outcome> We believe it delivers <impact> to <customer> This will be confirmed when <event happens=""></event></customer></impact></outcome>	
⊕ п мезах	
Sprint Goal examples Our focus is to have a tidy garage that we can put our car in We believe it decreases the risk of the car being stolen and increases our peace of mind This will be confirmed when the car is in the garage and out of sight. Our focus is to lose a healthy amount of body weight We believe it will reduce the strain on my heart This will be confirmed when I can run consistently at 5 min/km for 30 minutes Our focus is on sending a basic email that contains a link to a spreadsheet We believe it delivers confidence in the product to our organisation This will be confirmed when we have an email in an inbox Our focus is to practice defending corners in Football We believe it will enable the team to not concede goals from corners This will be confirmed when we defend the goal from corners in a real football match.	
Poor examples: Our focus is on finishing all the items supporting the SAP integration. We believe it delivers satisfaction and closure for our project manager. This will be confirmed when Epic SAP-123 is closed in Jira. Our focus is on having SAP integrated into the Corporate system We believe it delivers improved features functionality and increasing productivity to Department X This will be confirmed when the colleagues in Department X are using the improved features and can see the benefits.	

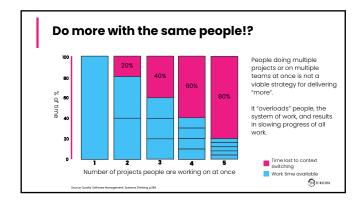
Daily	Scrum F	low			Ç© 15 minutes	
6		(9		\triangle	Ê	
Progress toward the Sprint Goal	Sprint Backlog	Learnings from yesterday	Insights from metrics	Emerging issues to delivery	Definition of Done	
Collaborate Adjust Update visualisations						
Updated Sprint Backlog						
- 에u reen						

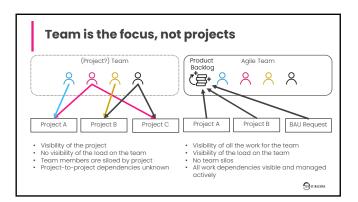
- What did you do yesterday, today, blockers? NO!
- How is our progress toward the Sprint Goal?
- Are we where we thought we would be?
- Did anyone learn anything that means we need to change our plan?
- Are we waiting on someone? How will we attack this problem? Does it need escalation?
 What do we need to do today to progress the most valuable work before taking on more work?

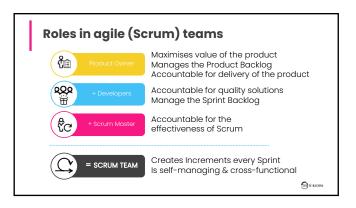
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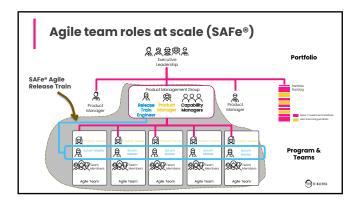
THE LAW OF THE SMALL (AGILE) TEAM

THE EX MACHINA









"If you want people to think for themselves don't give instructions, give intent" "If you're picturing a lot of people out there doing crazy thing and a bunch of arrows going in a bunch of different directions you've got the wrong picture" ... "you create the environment so that those people are out there making decisions as if the CEO were standing right behind them"

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Self organising teams are more effective

•	More	effective	
	WIOIC	CHCCHVC	

- Faster decision-making
- Increased productivity 15-20%
- · Higher quality
- Achieve goals more often
- · Feel more useful
- · Feel more challenged
- Have greater trust

Performance	Traditionally managed teams		Self-managed teams		Self-leading teams	
	Mean	SD	Mean	SD	Mean	SD
Productivity	5	.816	6,143*	1.069	6.5*	0.707
Creativity	4.24	.857	5.714	.756	5	1.414
Goal attainment	5	1.826	6****	.577	5	0
Quality	5.475	.957	6.429*	.535	6.5	0.707
Efficiency	4.708	1.294	5.429	.787	5.5	2.121
Output	4	.816	5.143	1.215	4	0
Overall	4.5	1.063	5.810*	.788	5.417	1.240

- antly higher than traditionally managed teams at p=0.05 cartly higher than self-managed teams at p=0.05 ficantly higher than traditionally managed teams and self afficantly higher than self-leading teams at p=0.05

Source: The effectiveness of self-managed teams and self-II. Loeraker, Kinten van de Grift (2015) Online at: https://www.Grift/29e29e3f40967bb9659b2bec5c4567406fe9bc

Team Design

Cross-Functional ("Feature" team)

- All the skills it needs to solve problems without having to rely on anyone outside the team
- · Work collaboratively
- Solves the problem collectively as a team

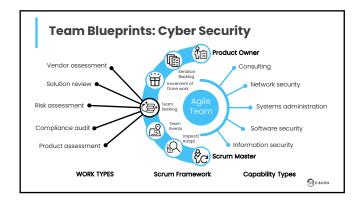
Multi-Disciplinary (MDT)

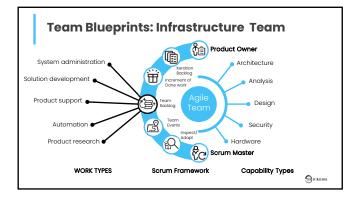
- Attacks a problem from different "disciplines", e.g. gross-motor, psychology, speed pathology, etc.
- Work in silos (disciplines) but coordinate work and communicate openly.
- Problem is investigated and then solved separately by each discipline.

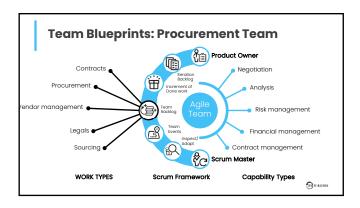
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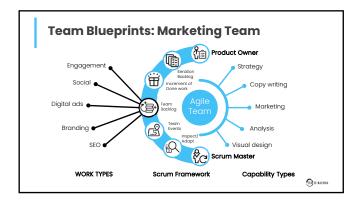
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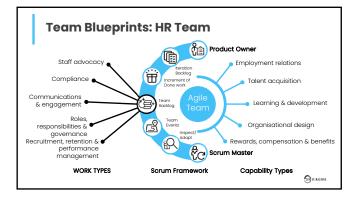
Team Blueprints: IT Team Ĉ® Solution design Service design and UX Incr Analysis Hypothesis testing 🖝 User research Architecture Scrum Master WORK TYPES Scrum Framework Capability Types THE EX MACHINA











No sub-teams: No solution > draft > approve. No UX Team > BA Team > Dev Team > Test Team. Increases handovers and dependencies, increasing the time it takes to create an increment. No sub-roles: Sub-roles tends to reduce "equal voice". We want everyone to work as a single team. Creates functional hierarchy within the team, which leads to subteams. "I'm a Dev Lead, so I'll make the decision and delegate that to the junior person".

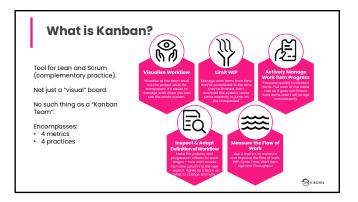
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In Scrum, no one Team member would be responsible for "leading" the entire teams work, even in one area. The team is self-organising without sub-roles such as team lead, technical lead, or UI expert. Responsibility is not inferred by any specialisms a team member may have ... the Scrum Guide makes it clear that there are no exceptions to this rule.

Optimising flow with Kanban

TRACKING SPRINT DELIVERY

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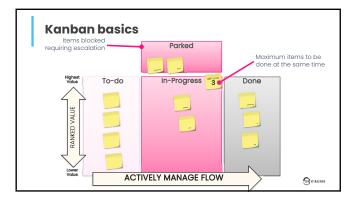


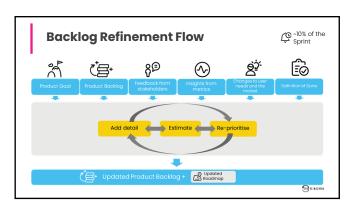
Kanban adds on to Scrum

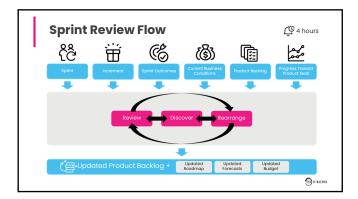
Helps teams understand:

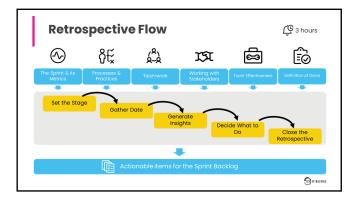
- Bottlenecks.
- How long it truly takes to deliver work to Done.
- Work item age.
- How to progress work without it coming back for rework, hence improve their Definition of Done.

SHIP EX BACKHIA

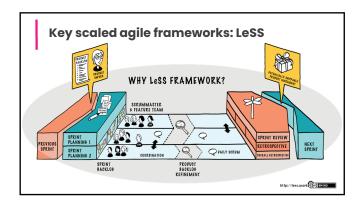


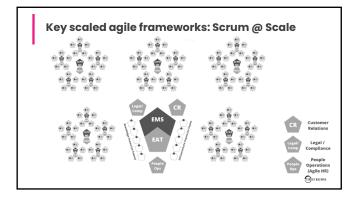


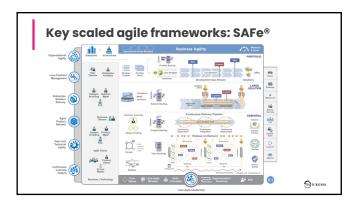


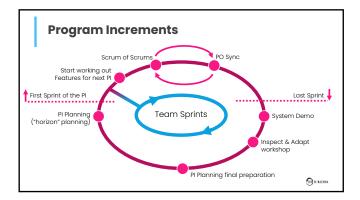


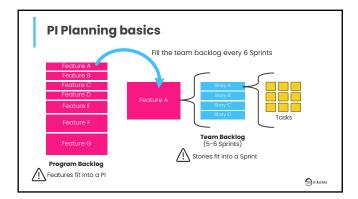


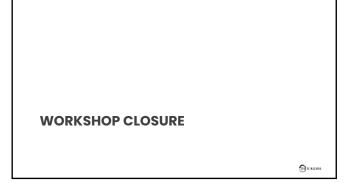














The risks to manage Over 20 years, agile initiatives continue to fail because of insufficient leadership participation and lack of experience. Failure typically boils down to a lack of approach to human change with agile just becoming something "teams" do. Not enough knowledge about Agile about Agile Insufficient resistance to change Insufficient resistance to change Insufficient training and/or education Insufficient training and/or educat

