

# SA Water's agile journey

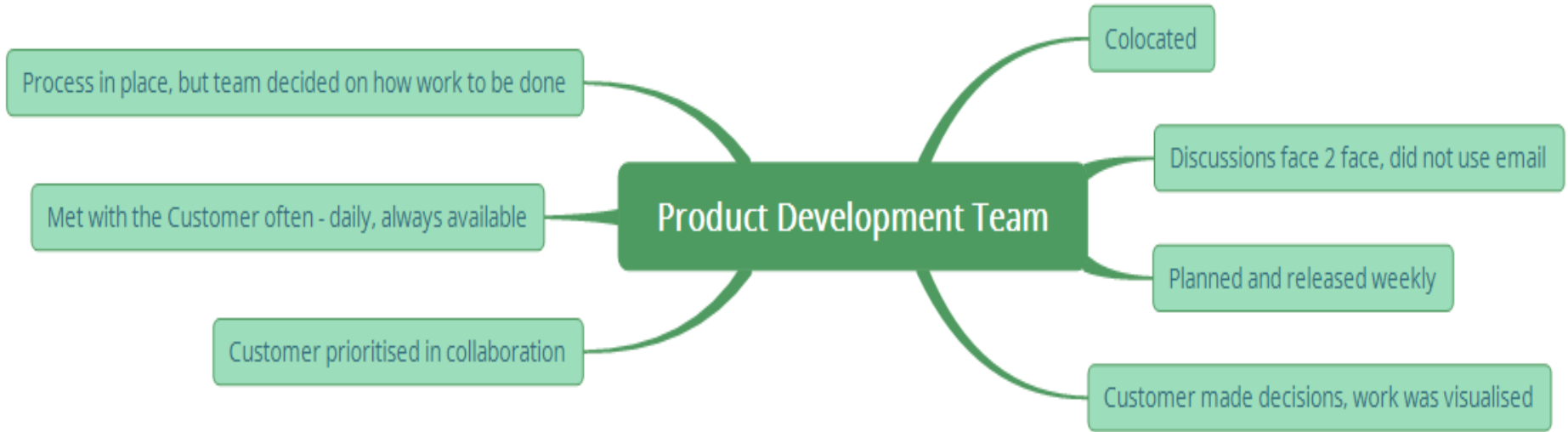
Tales from a practitioner  
Business Agility Australia

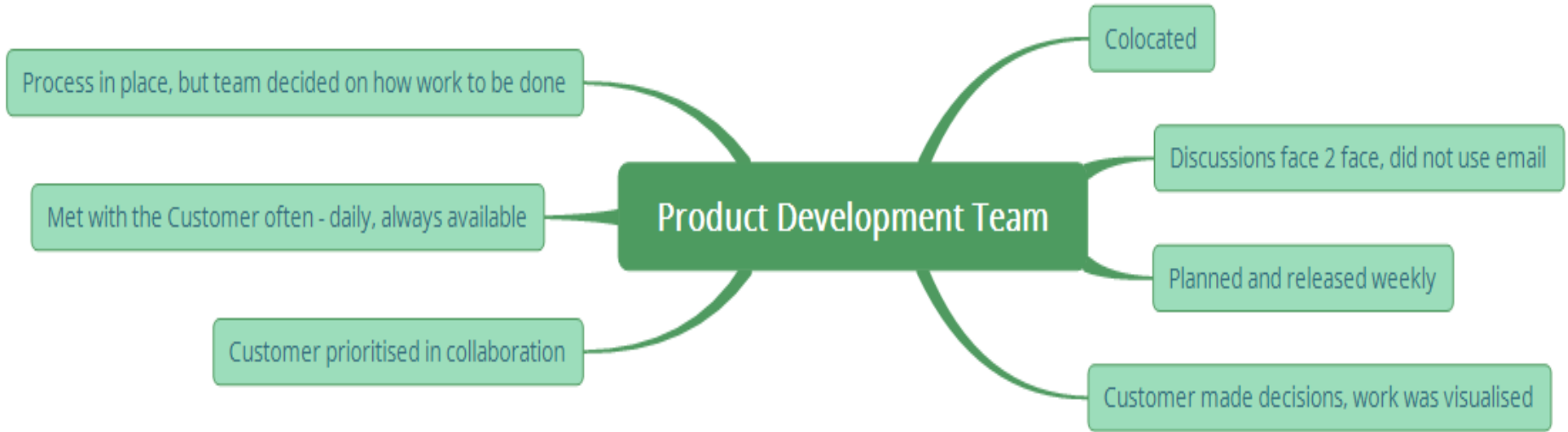
25 September 2018



Government of  
South Australia







It was my first job in 1985

Written By PMI-ACP...  
PMI® Agile Community of Practice Co-Founder Mike Griffiths

# PMI-ACP Exam Prep

A Course in a Book® for  
Passing the PMI Agile Certified  
Practitioner (PMI-ACP)™ Exam

## INSIDE:

- Concepts and Study Material—  
What You REALLY Need to Know
- Activities and Exercises
- 120 Practice Questions
- Dozens of Visuals and Graphics
- A Focus on Real-World Agile PM

Premier Edition

For all PMI-ACP exams taken on or  
after January 31, 2012

Mike Griffiths  
PMI-ACP, PMP, CSM

Smith  
Sudky



# BECOMING AGILE

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Agile Retrospectives

Derby/Larsen

The Software Project Manager's Bridge to Agility

Sliger  
Broderick

Agile Software Development SECOND EDITION Cockburn



LEAN-A  
SOFTWARE DEVELOPMENT

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Agile Project Management with Scrum

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COACHING AGILE TEAMS

Agile Estimating and Planning

Highsmith

Agile Project Management

USER STORIES APPLIED

COHN

The Art of Agile Development

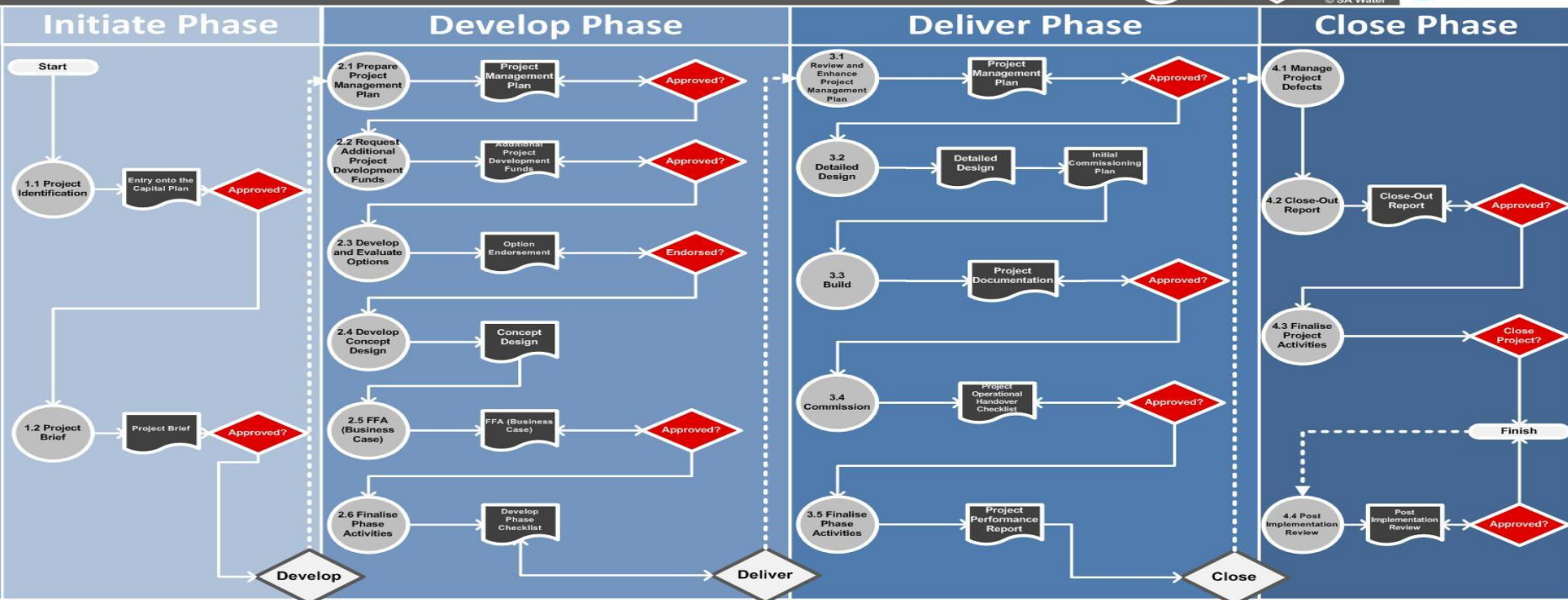
Shore &  
Ward



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SA Water

Process



Key activities

- Entry onto the Capital Plan Submission is created and approved
- Project Brief is prepared ready to hand over to Project Manager
- Develop project manager is engaged
- Project Management Plan is prepared and approved
- Additional Project Development Funds are applied for (if required)
- Options for the project are developed, selected and endorsed
- Concept Design is created
- Full Financial Approval (Business Case) is prepared, endorsed and approved
- Project Management Plan is reviewed and enhanced
- Detailed Design is created (if required)
- Project is built
- Works are evaluated and accepted
- Deliverables are tested, users trained and the project is handed over for operation
- Project Performance Report is prepared
- Projects Defects/Liabilities are managed and resolved
- Close-Out Report prepared and approved
- Project activities are finalised
- Post Implementation Review is conducted (if applicable)

Manage and Direct



A Kanban board is a work flow visualization board that helps to estimate the flow of work.  
 Kanban boards communicate Tasks, State & progress.

Incidents  
 Tasks  
 Bugs & Feedback

Sec 1000  
 2014

Brands

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Smiley

Platform

River  
 Apparel

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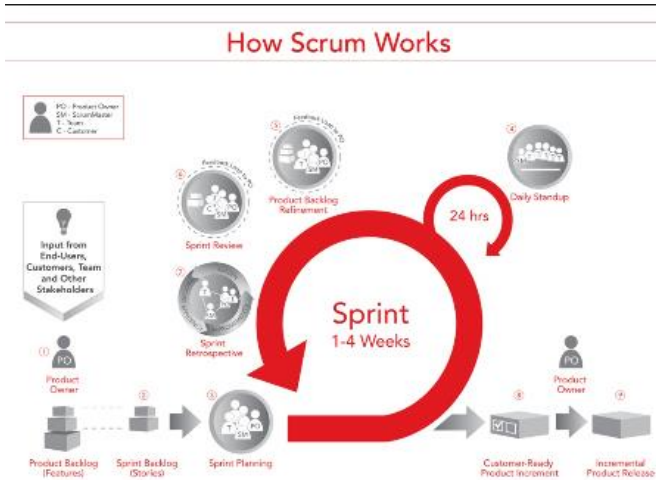
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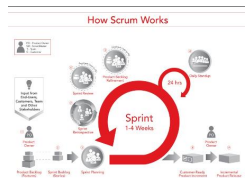
Once upon a time...



- Need to improve project delivery efficiency (outcomes and value focus)
- Achieve our digital aspirations
- Agile is the answer...pilot project...Scrum team!



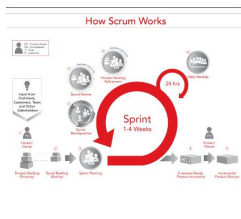
- Bring in the consultants
- We need thought leadership
- Oh boy...we are not ready for this







- Small internal team
- Drink our own Kool-Aid, what's our MVP
- Step change – bi-modal







*World class water services  
for a better life*

# Strategy

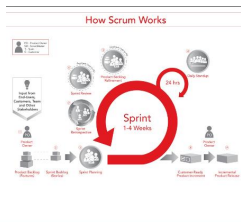
World class water services for a better life



Together we deliver safely and stand accountable, genuine and innovative every day.



- Cultural change
- Leadership and empowerment
- Key enabler

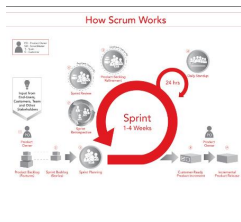
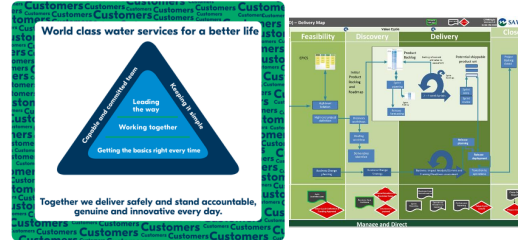






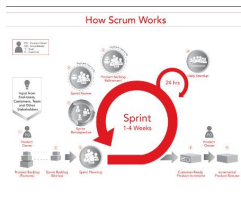
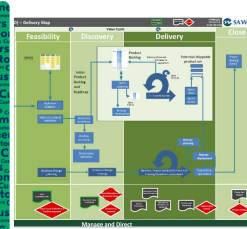


- Next MVP – new vision
- Teams learning by doing
- System growing



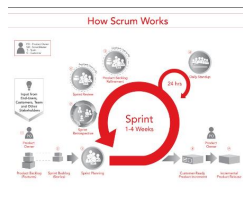
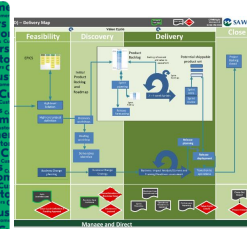


- Playbooks
- Guidance and support required
- Ongoing resilience



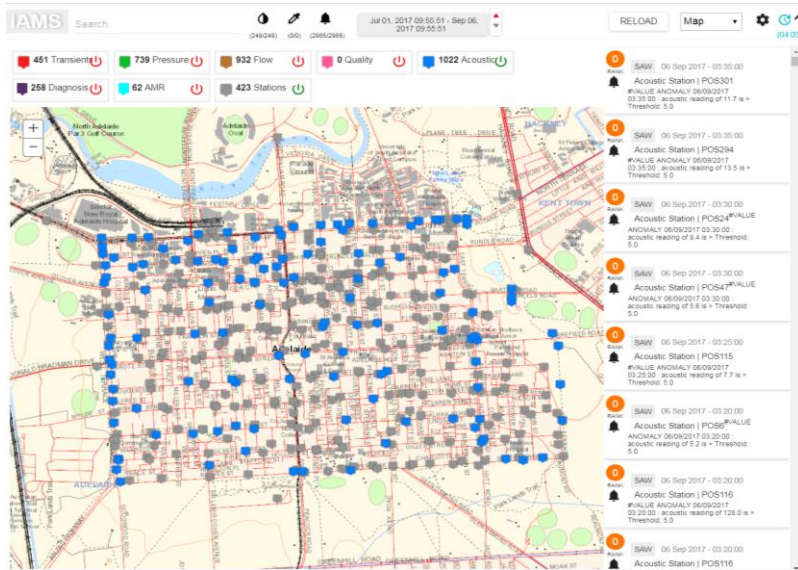


- Expanding into IT operations
- Business change initiatives
- Innovation and rapid delivery



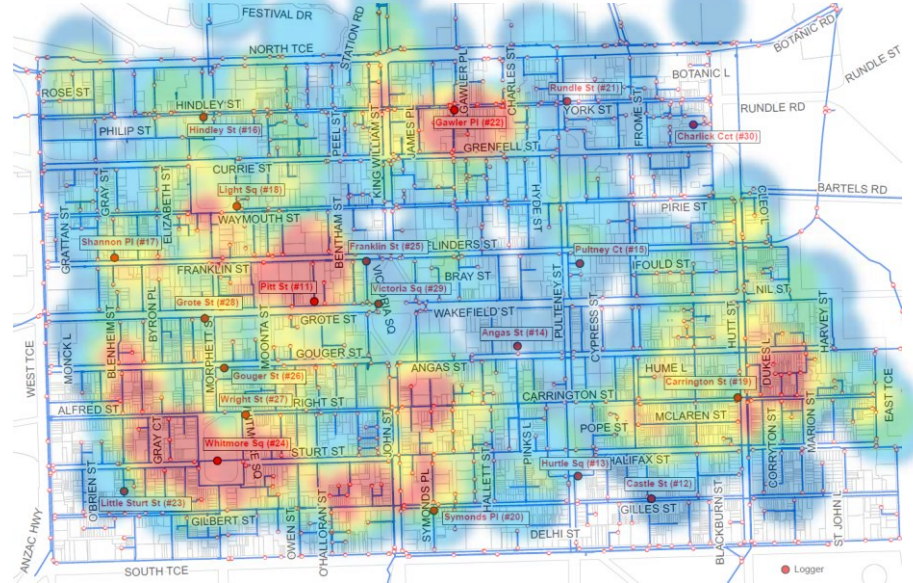


# Acoustic



Overview of acoustic sensors from operational platform

# Transient



Transient/hydrophone (existing location) ●

Transient/hydrophone (new/modified location) ●

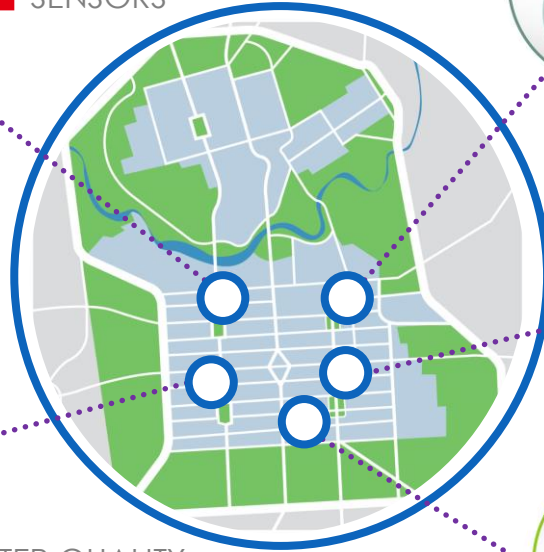




**31** PRESSURE  
SENSORS



**11** MASS FLOW  
METERS



**305** LEAKAGE  
SENSORS



**3** WATER QUALITY  
SENSORS



**100** SMART  
METERS

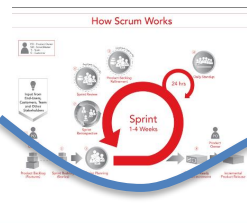
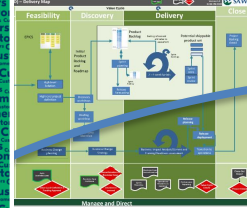


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- Better ways
- Agile outside of IT
- Next vision

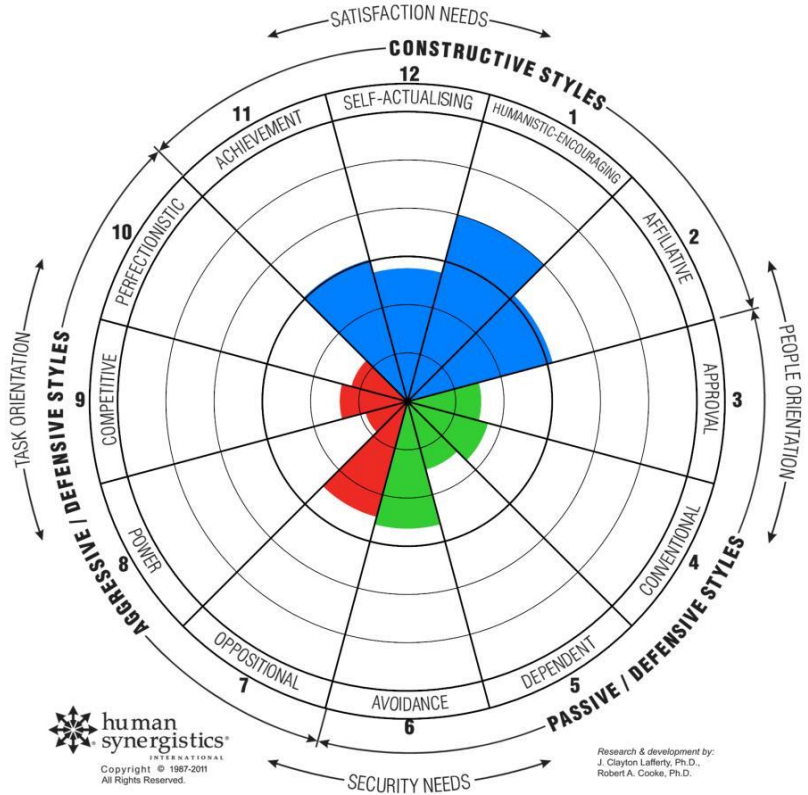




we continue...



# Culture underpins everything




**human synergistics**  
 INTERNATIONAL  
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Research & development by:  
 J. Clayton Lafferty, Ph.D.  
 Robert A. Cooke, Ph.D.





# Unicorn employee...Unicorn Army

- Not limited by job title
- Think big and small
- Have true grit
- Be respectful
- Get 'stuff' done



Thank You

*my*SAWater

World class water  
services for a  
better life