



Kickoff

John D. Zepper

Director, 5500 - Systems Mission Engineering

jdzepper@sandia.gov, (505) 845-8421

February 14 – 15, 2017

Welcome to Agile Days 2017



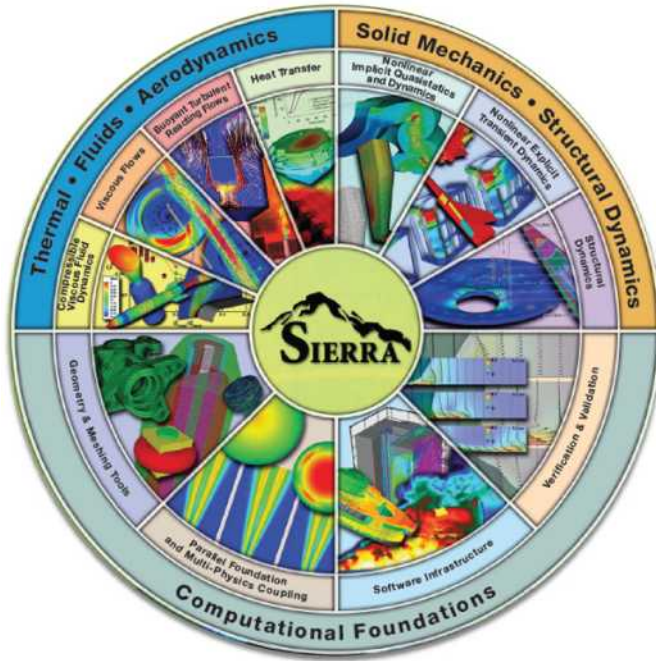
**Sponsored by:
Division 5000 Defense Systems
& Assessments and the Common
Engineering Environment**



COMMON ENGINEERING
ENVIRONMENT



Early experiences with Agile



Sierra Mechanics

- The first project to do Agile at scale at Sandia
- Started Agile in 2008 and still going
- Started using team rooms in 2009, now in 880

Production Tools

- Responsible for NWIS & NWIS Tools
 - WebCARS, SAMS, DiGS, etc
- Extreme Programming (XP) in full use by 2010
 - Includes heavy use of TDD and pair programming
- 887/1320U team pair-programming area



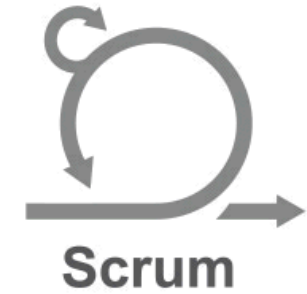
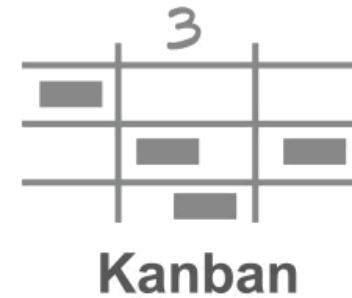
5500 Agile Projects



Tumbo/Micro
ICADS
USNDC



5500 Agile Projects



DACE
Otero
TFX



Tumbo/Micro Customer Feedback



To entire Tumbo/Micro
Team: Dev, Test, Arch, SE
Government + ^{Sandia} ~~contractor~~ pms
- Great Job getting 12D
release train running.
One year + working ETE
code. On similar programs
we would have 100's of
Pounds of paper + nothing
else. This is a GREAT
TEAM!!!
Keep it UP!!!

“One year and working end-to-end code. On similar programs we would have 100’s of pounds of paper and nothing else. This is a GREAT TEAM!!! Keep it UP!!!”

- *Anonymous Customer Feedback left at PI Planning Retrospective*



OVER



~~Individuals and interactions over processes and tools~~
~~Working software over comprehensive documentation~~
~~Customer collaboration over contract negotiation~~
Responding to change over following a plan

<http://agilemanifesto.org>

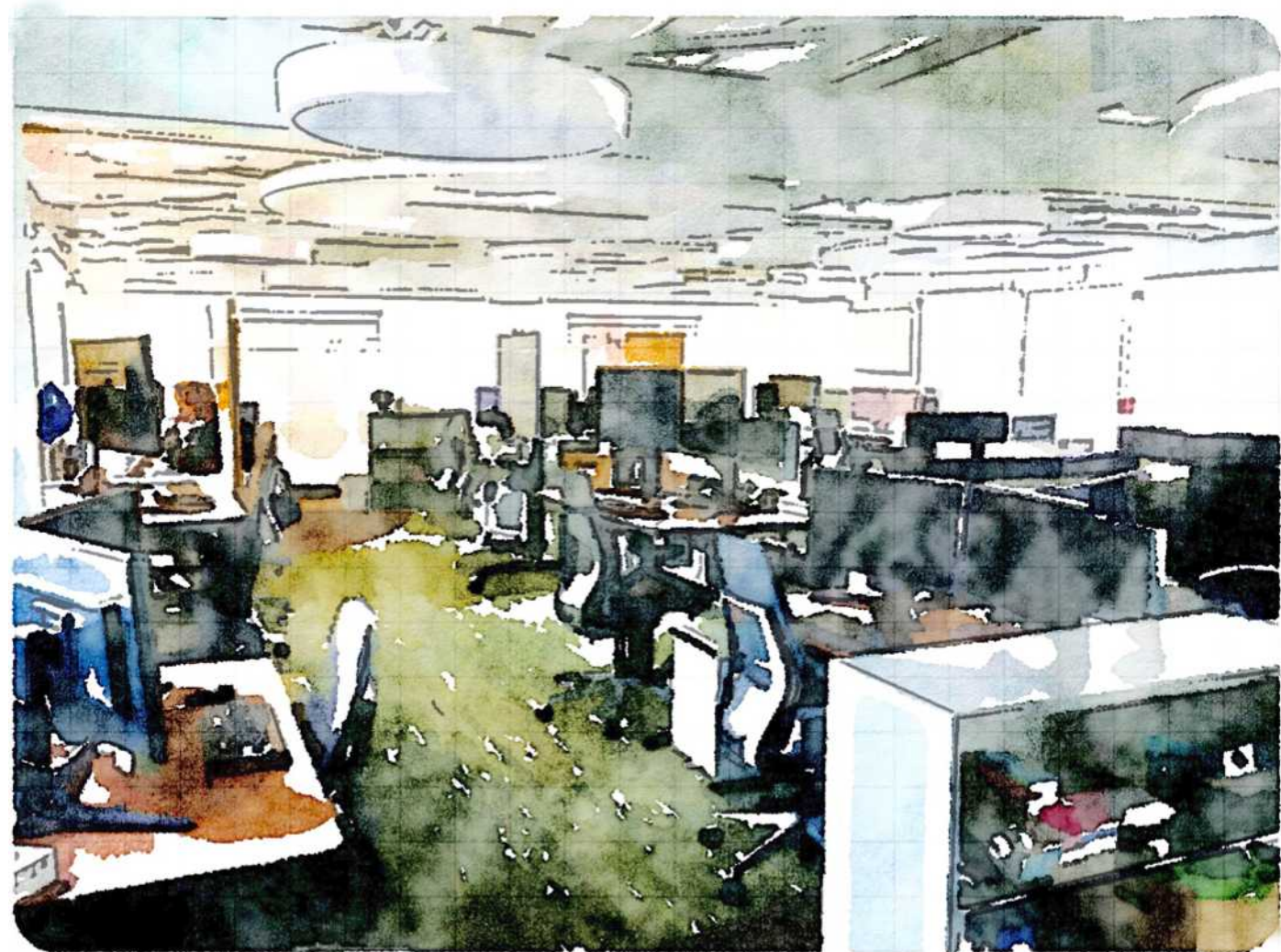


Collaboration Corridor collaborate

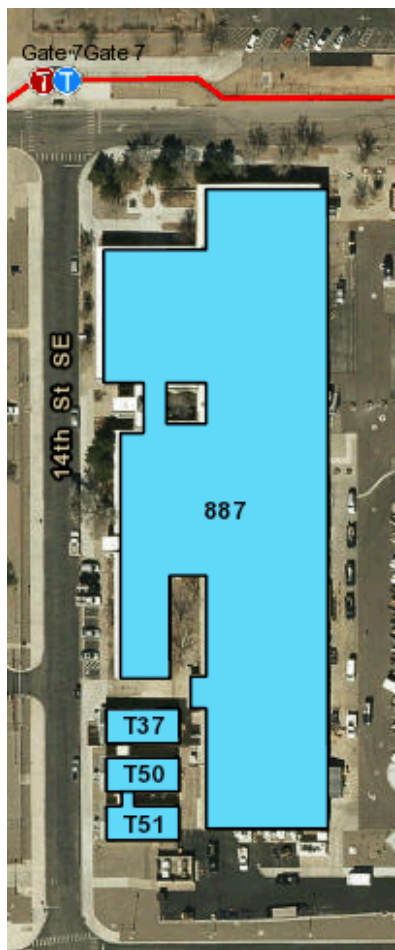


“Space influences behavior, so if you want people to share information, better and innovate more, you have to invest in the kinds of spaces that help them do that.”

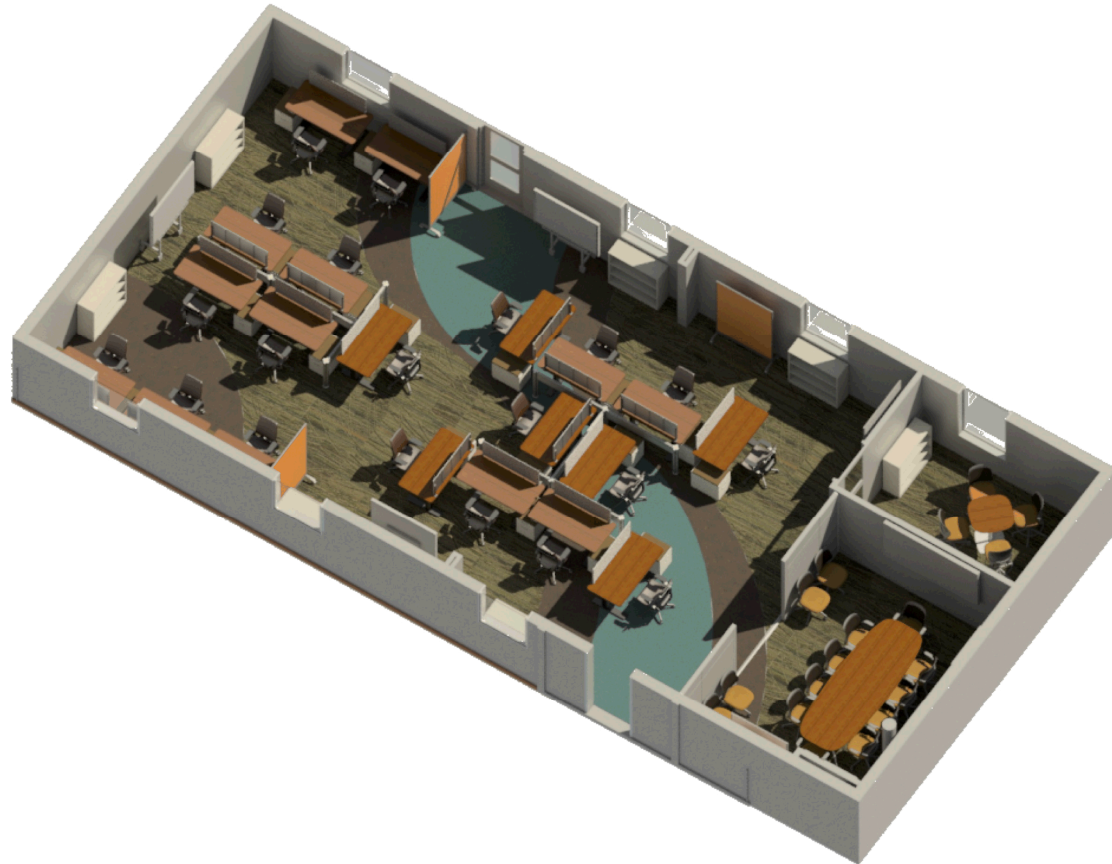
- *Jim Keane, President Steelcase Group*



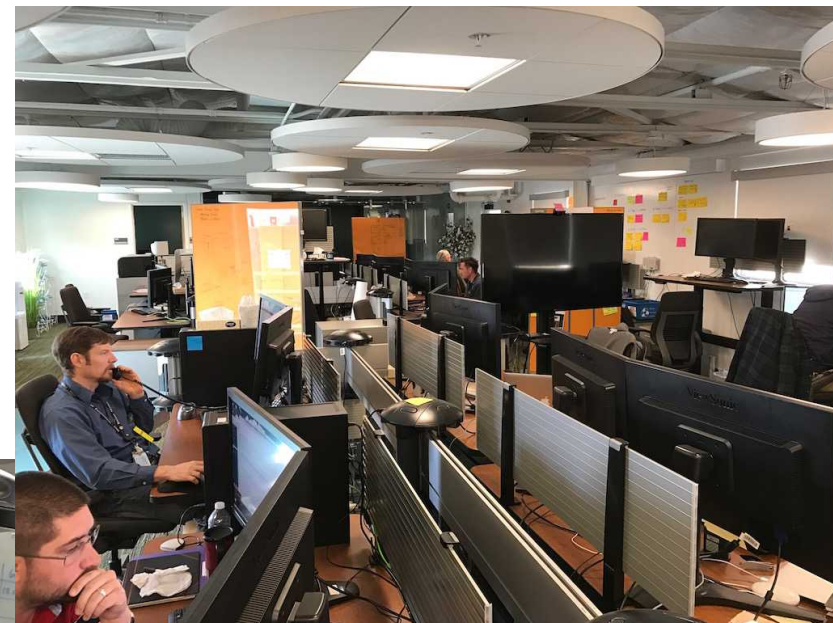
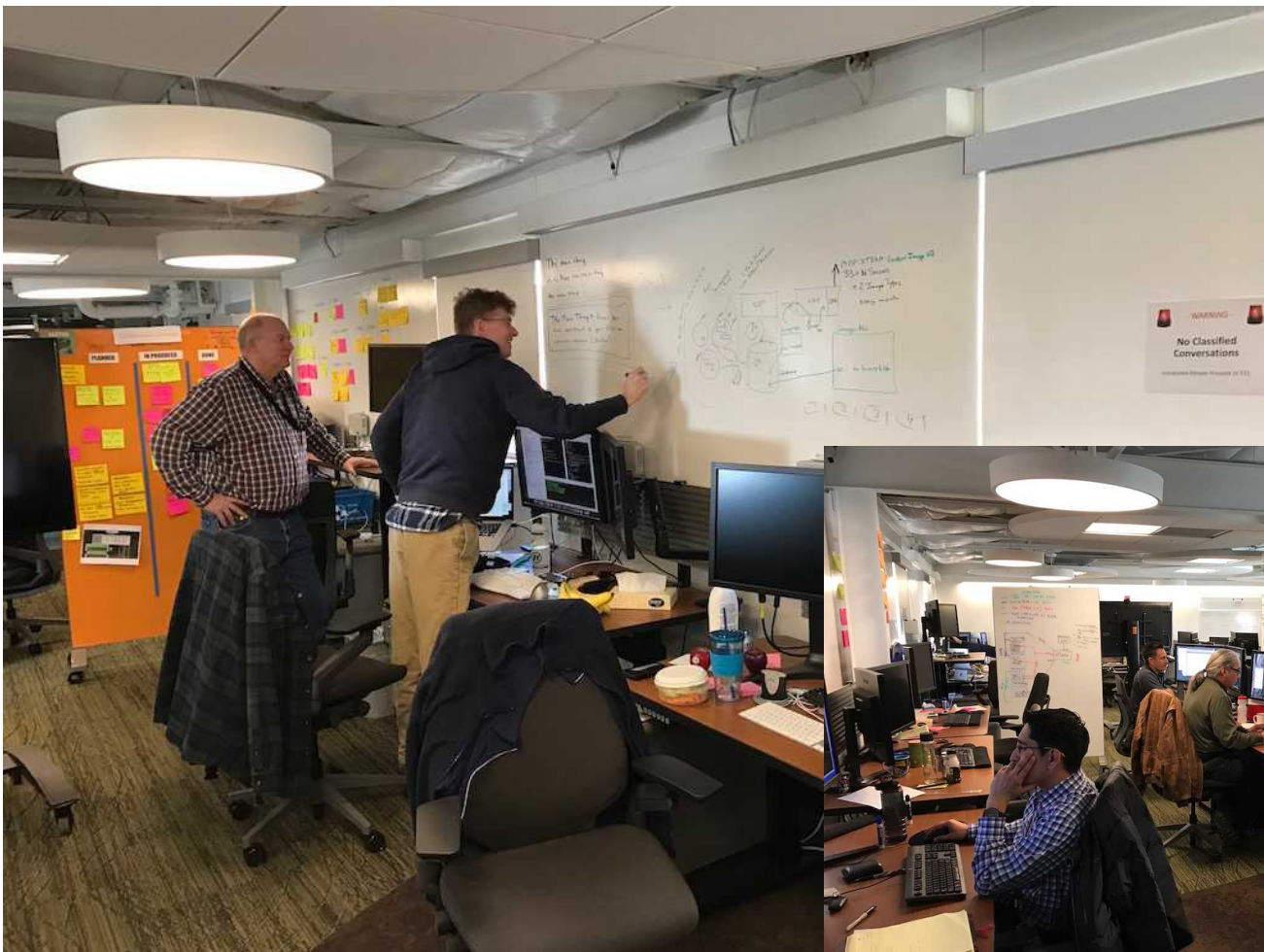
T51-T50-T37 Collaboration Corridor



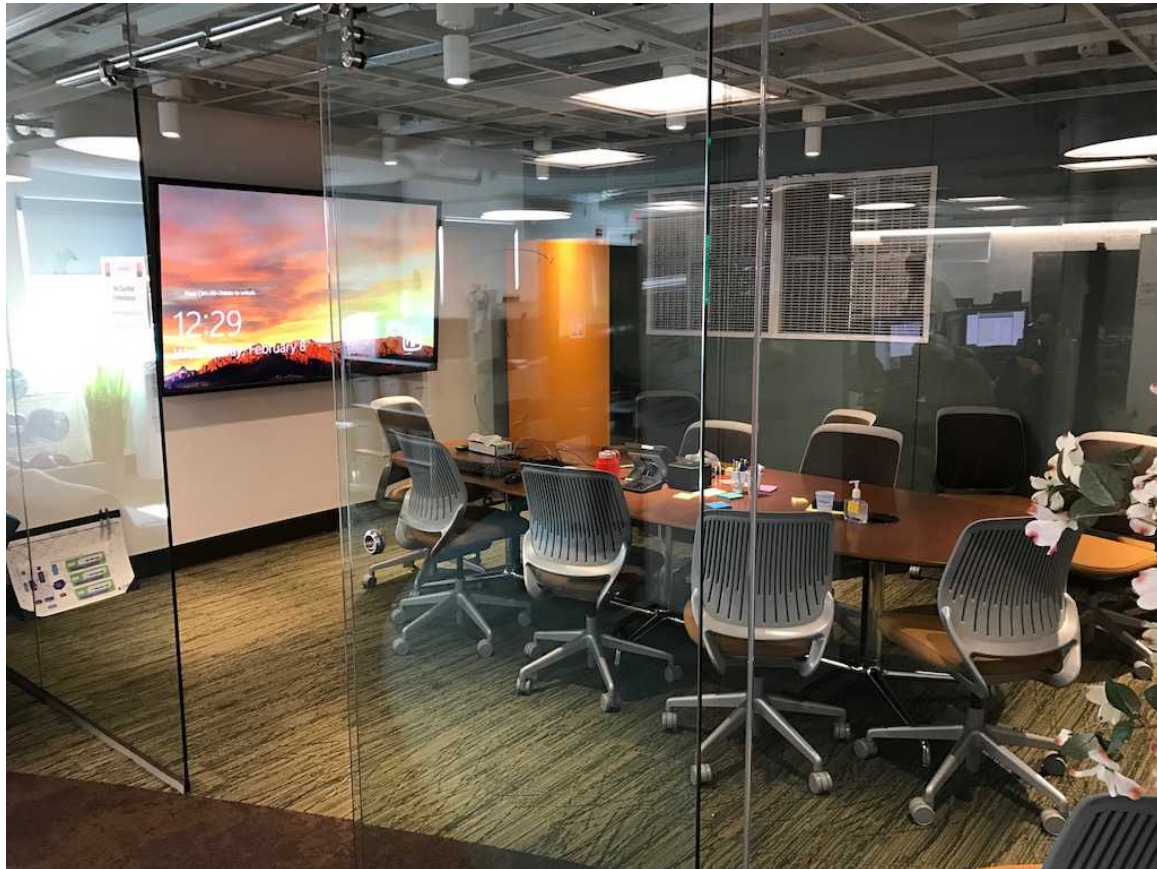
T51



T51



T51



T50



T37



T37



The logo for Agile Days 2017 features the word "Agile" in a dark blue serif font and "Days" in a grey sans-serif font. The year "2017" is written in a red sans-serif font below "Days". The letter "A" in "Agile" is stylized with three human figures in orange, teal, and red standing in front of it. The entire logo is set against a background of light blue and white diagonal stripes.

Agile Days 2017

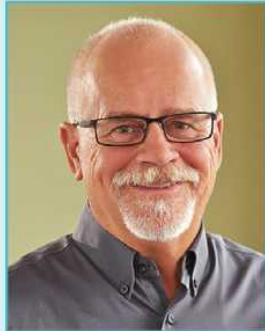
A gathering to connect, share, educate, and celebrate Agile adoption at Sandia
Sponsored by the Agile CoP (Community of Practice)

Agile Days: Keynotes



Day 1, 10am

SAFe within the government, Essential SAFe and where SAFe is heading.



Dean Leffingwell
Creator of the Scaled Agile Framework (SAFe)

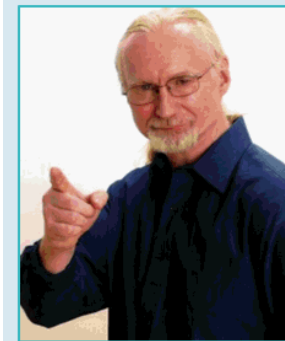


Robin Yeman
Lockheed Martin Fellow and Agile SME



Ken France
CEO of Blue Agility

Day 2, 9am



Bruce Powel Douglass
Chief Evangelist,
IBM Internet of Things (IoT)

SAFe and Agile Methods for Systems Engineering and Embedded Systems Development.



23 Talks

4 Vendor Overview

3 Teaming

3 Project Management

5 DevOps

2 Quality

6 Agile Execution

Agile Days: Vendors & Day 2 Talks



7 Vendor Booths

Day 2

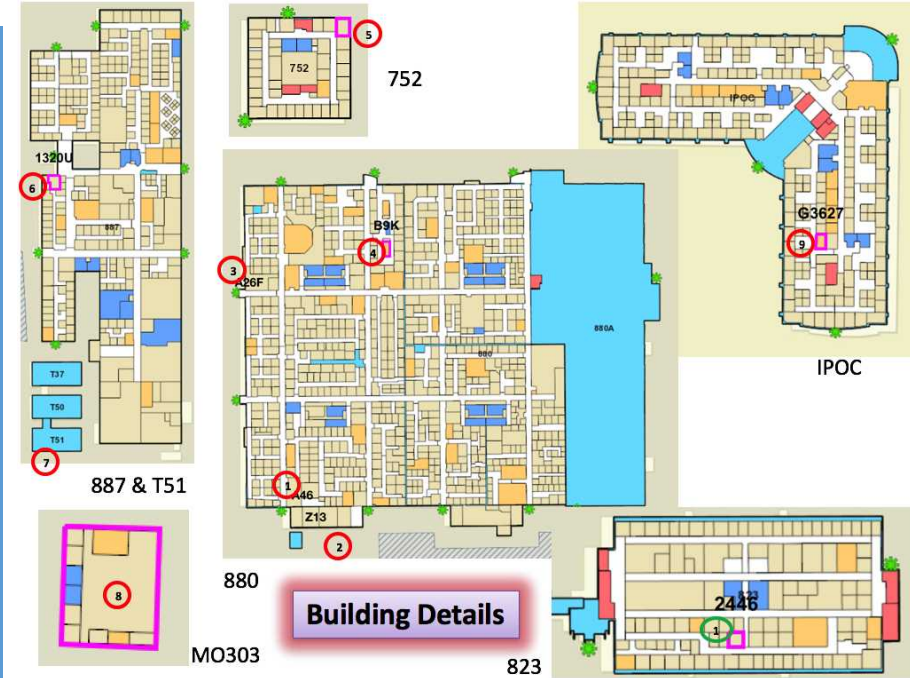
13 Vendor Sessions

7 SNL Talks

Open Space Talks



Agile Days: Day 2 Team Room Tours



9 Team Rooms in 6 Buildings



Thank you



<https://www.linkedin.com/pulse/20140819060605-77076510-you-may-not-be-agile-breaking-myths>