17th Annual V&V Summit 2022, Day 1
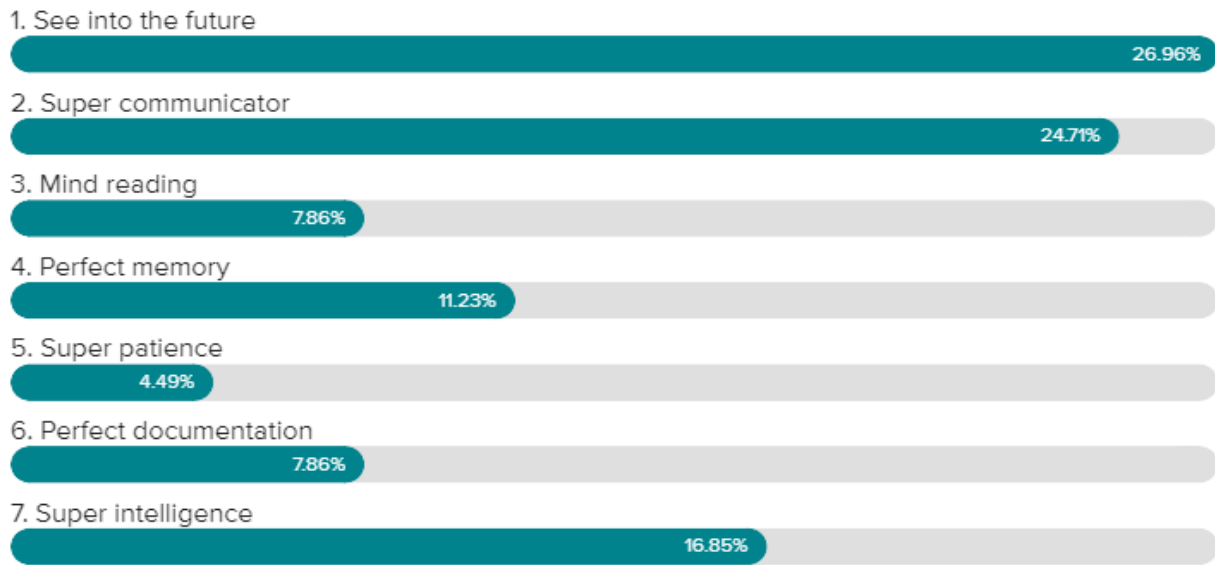
Total participants
122

Active participants
103

Interactions
422

Participation rate
84%

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Audience Engagement

Where are you joining from?   😊 84

4

Academia

4

3
Other Government

61

Non-Profit

RETIRED

8
Private Industry

Other

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Audience Engagement

If you could have a V&V super power, what would it be?

89

1. See into the future

26.96%

2. Super communicator

24.71%

3. Mind reading

7.86%

4. Perfect memory

11.23%

5. Super patience

4.49%

6. Perfect documentation

7.86%

7. Super intelligence

16.85%

Allowed selections: 1

☁ Name some common barriers to innovation. 👥 78

lack of patience
information sharing
fear in leadership
standard practice
agile funding   education   silos   distractions
unclear requirements   stop n go funding   meetings
budget   **collaboration**   rigidness   re-orgs   lack of funding
honesty   distrust   bias   **culture**   bad communication
arrogance   **bureaucracy**   **complacency**   bureaurocracy
legacy   lack of budget   continuity   tradition
inertia   secrecy   **understanding**   open mindedness
staffing   acceptance   lack of knowledge
resources   lack of support   backwards thinking   tunnel vission
business models   public acceptance   common language   short-sightedness
collaboration delays   motives   lack of vision   **politics**   no money
experience   **negativity**   no creativity   work culture
cyber security   ignorance   change resistant
lack of leadership   no change advocates   silo   **resistance to change**
resisting change   working-hours   repeatability   cost
indifference   **fear**   stubbornness   conformity
authoritarianism   time   fixed mindset   impatience   **funding**
safety   budget constraints
documentation   non-team-player   lack of funds
skillsets   bandwidth   groupthink   closed minded
technology   **communication**   **ego**   commitment   lack of resources
scope changes   language   silo's   knowledge   conflict
org politics   fear of change
competing interests

🖾 At what point in the V&V process do we find most system problems or defects? 👥 73

Agile is... (pick 2) 93

Working smarter
26.88%

Finishing faster
6.45%

Being responsive to requirement changes
62.36%

Continuous collaboration
68.81%

Reduced documentation
8.6%

Less rigor
4.3%

More rigor
12.9%

Allowed selections: 2

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Audience Engagement
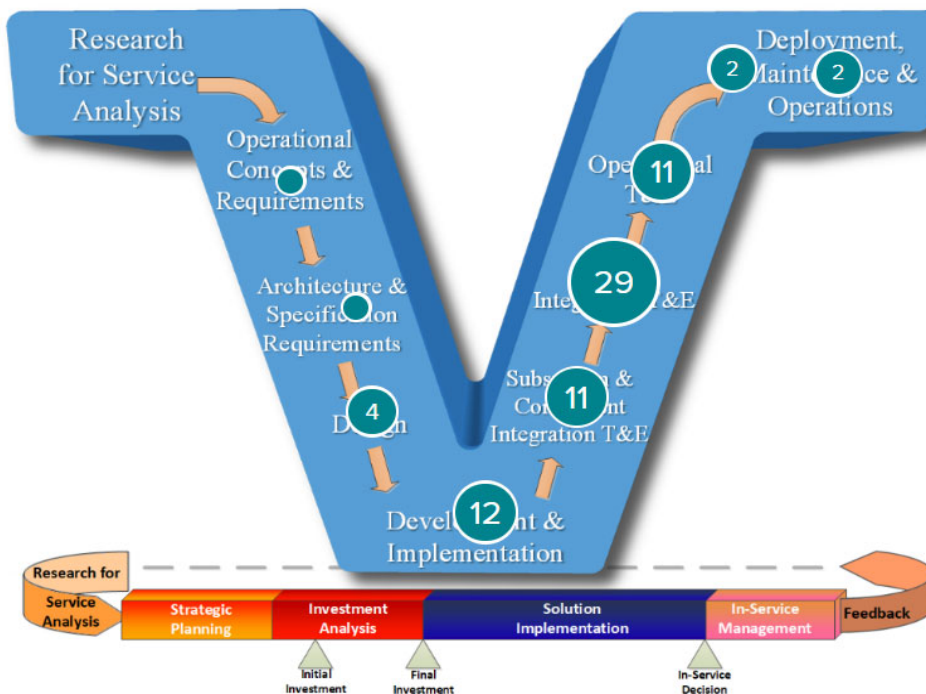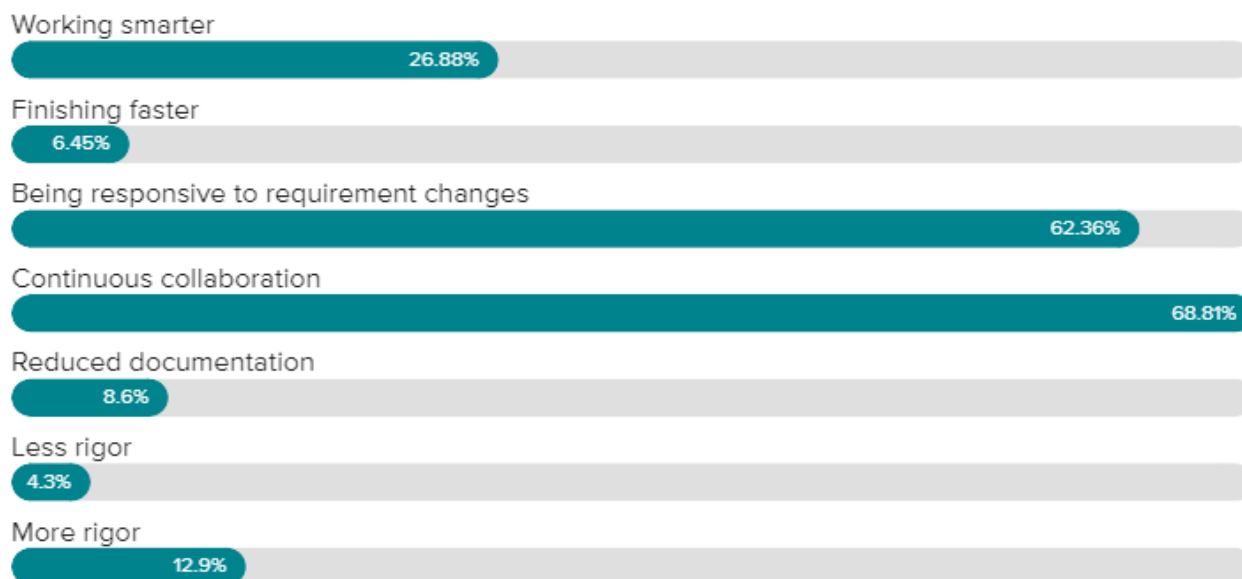
Technical Interchange Meeting @ V&V Summit 2022

Polls in numbers

Total participants	Poll Participants		Poll questions	Poll responses
26	24		3	56

Participation
92%

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Audience Engagement

A What key phrases should be part of our definition of Agile?   👥 22

collaboration and open discussion between stakeholders

Responsive

Disciplined Increased communication Continuous improvement

Incremental development Incremental verification

Buy-in, confidence, validate, stakeholder empowerment.

Iterative, multidisciplinary

Collaborative

Adaptation to moving parts or phases of design and implementation

Flexible, ability to adjust, meet objectives

Adaptable, user focused, leadership, culture

Feasible and affordable plan for learning and change based on outcomes.

Repeatable

Communication, reiteratation

Iterative development and testing

Consistency

Continuous collaboration with evolving set of stakeholders

Iterative, incremental test and eval

flexible dynamic collaborative

Inspires adaptation & change.

If done well, it should more efficiently produce a better product/system at the end.

To promote positive change and enable participants to think outside the box without criticism

It supports trying something new, correcting or adjusting but more importantly achieving something to be done.

to get what we really needed and address complex solutions

Idea to implementation is reduced, which leads to quicker insertion of capabilities and lower cost and because it forces rigorous teamwork by all stakeholders, rework is minimized. Therefore cost decreases

To ensure the project is moving forward in the best direction to achieve the desired goal/outcome.

It allows for reiterative development and V&V process.

It allows new technology and techniques to be integrated and implemented in a more rapid fashion than traditional release approaches.

Both are being responsive to results rather than defining way forward early.

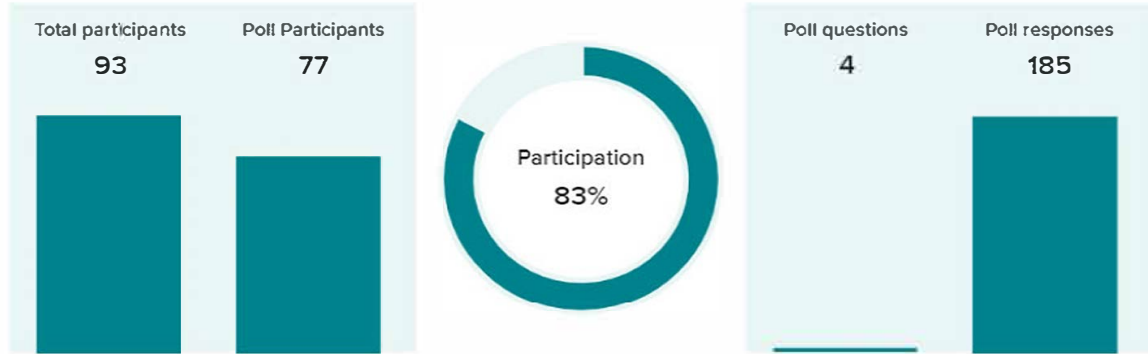agile allows development to keep pace with emerging technology.

To keep up with technology and tools that support innovation

We need more of a hive mind to solve problems
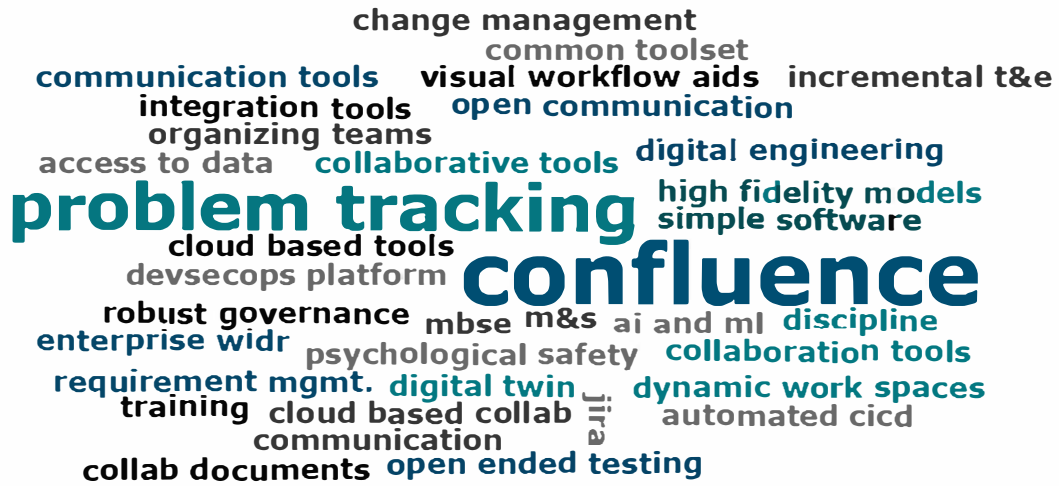
V&V Summit 2022, Day 2

Polls in numbers

Total participants	Poll Participants		Poll questions	Poll responses
93	77		4	185

Participation 83%

Please rank these "top 5 barriers to innovation" in order of most critical to fix or correct. 70

Funding/Resources

Politics

Fear

Complacency

Ego

Allowed selections: 5

A What would be the biggest benefit if you had access to a virtual replica or environment for V&V?

🌐 26

More focused physical OT&E

Solve problems more efficiently

Perform OT and E

Hooks to allow ease of testing

Simulate hazardous events to increase safety.

The ability to observe results of input parameters in near-real life environment.

more accurate results

No lab time contention

ability to introduce intelligent agents

Operational system would never need down time

Accessibility

Confidence

Near real-time use case exploration

Time saving

confidence

A What would be the biggest benefit if you had access to a virtual replica or environment for V&V?

😀 26

Confidence

Near real-time use case exploration

Time saving

confidence

Better results

Multiple scenarios simultaneously

Less money spent later in the life cycle

Rapid testing

Information

early testing

ability to fail fast and learn fast

Faster product time to market

Speed of test

validate safety

Risk Reduction