



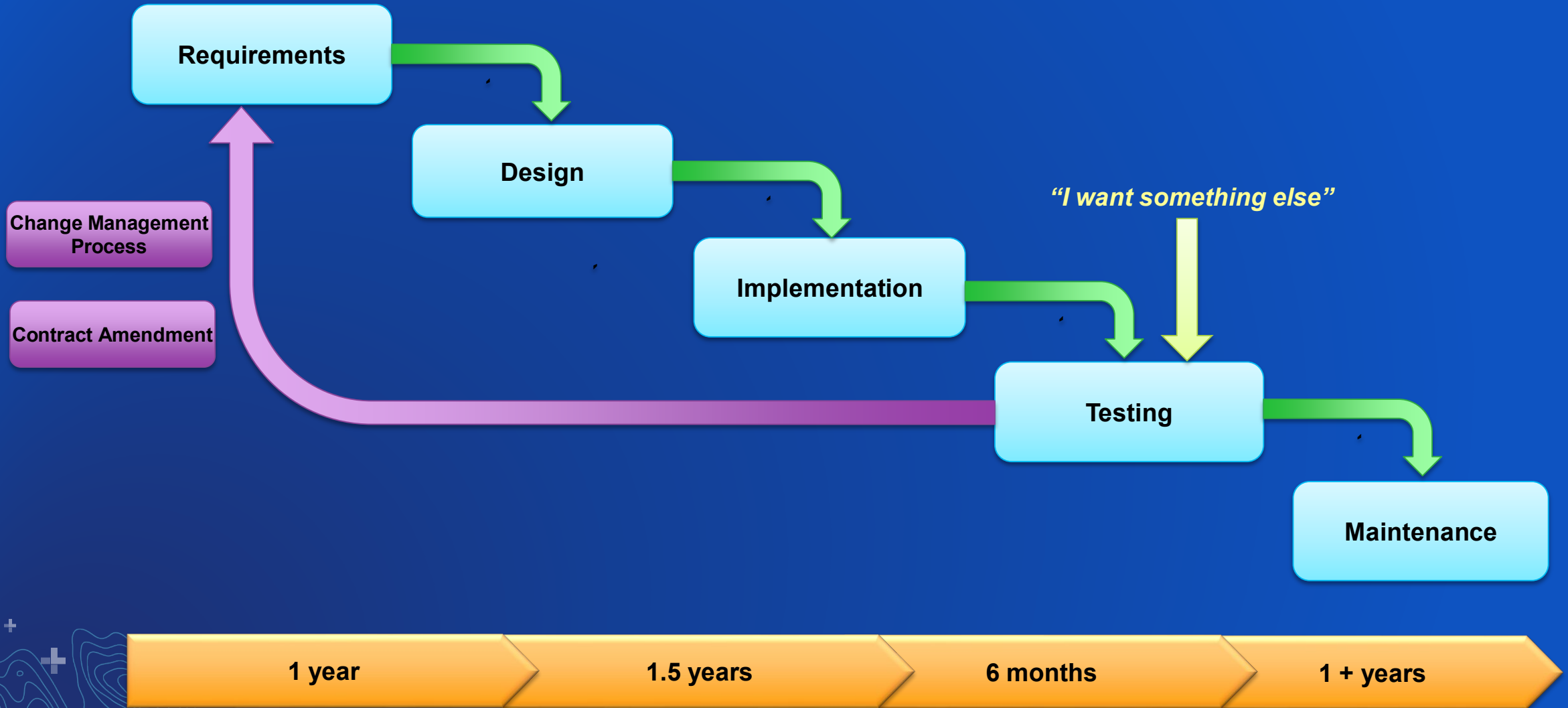
When is Agile the Best Project Management Method?

Lana Tylka

SEE
WHAT
OTHERS
CAN'T

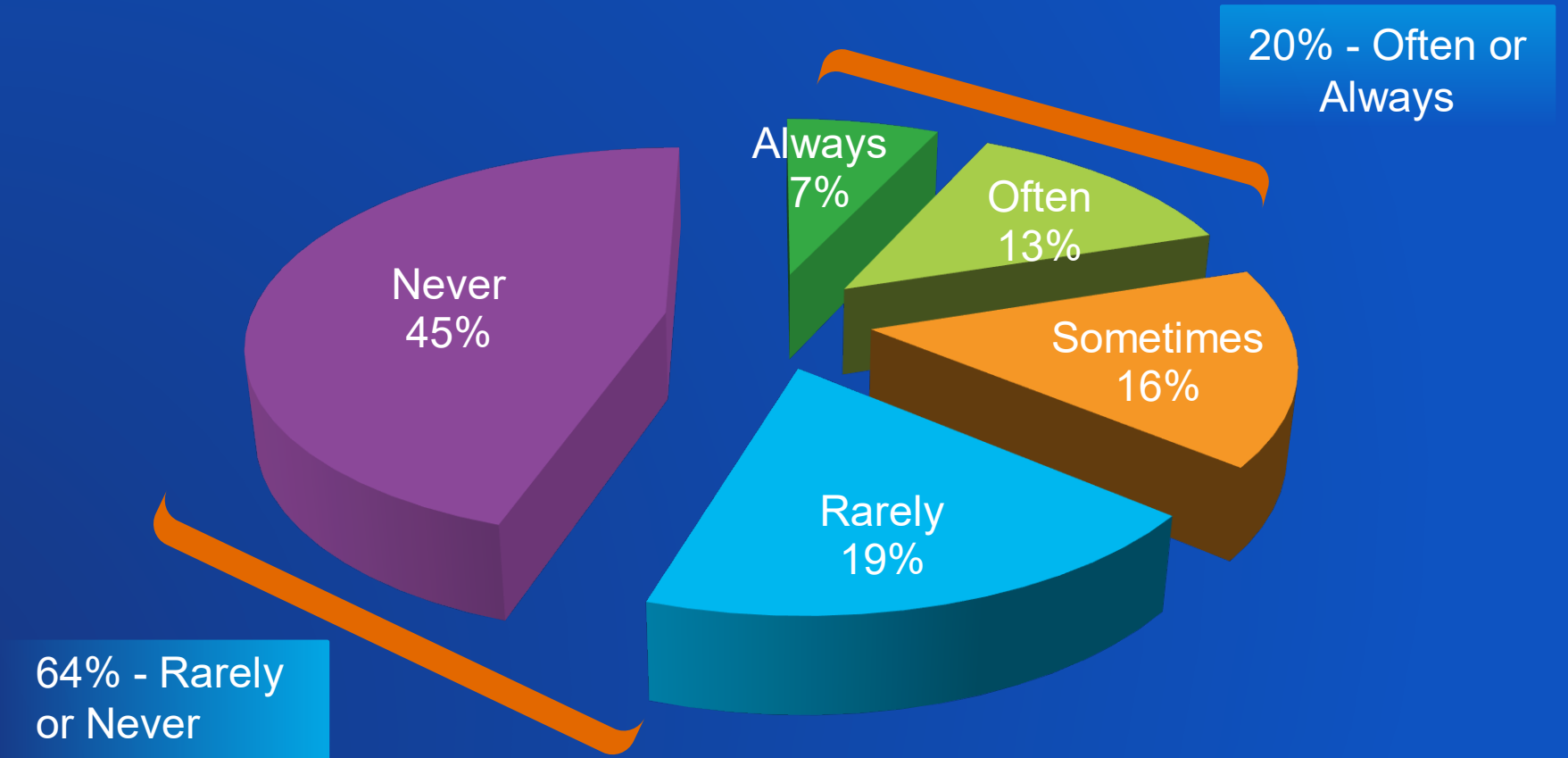
Emerging Application Development

1960's – 1990's



Build for Value

Requirements evolve over time



Standish Group Study Reported at XP2002 by Jim Johnson, Chairman

Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it.
Through this work we have come to value:

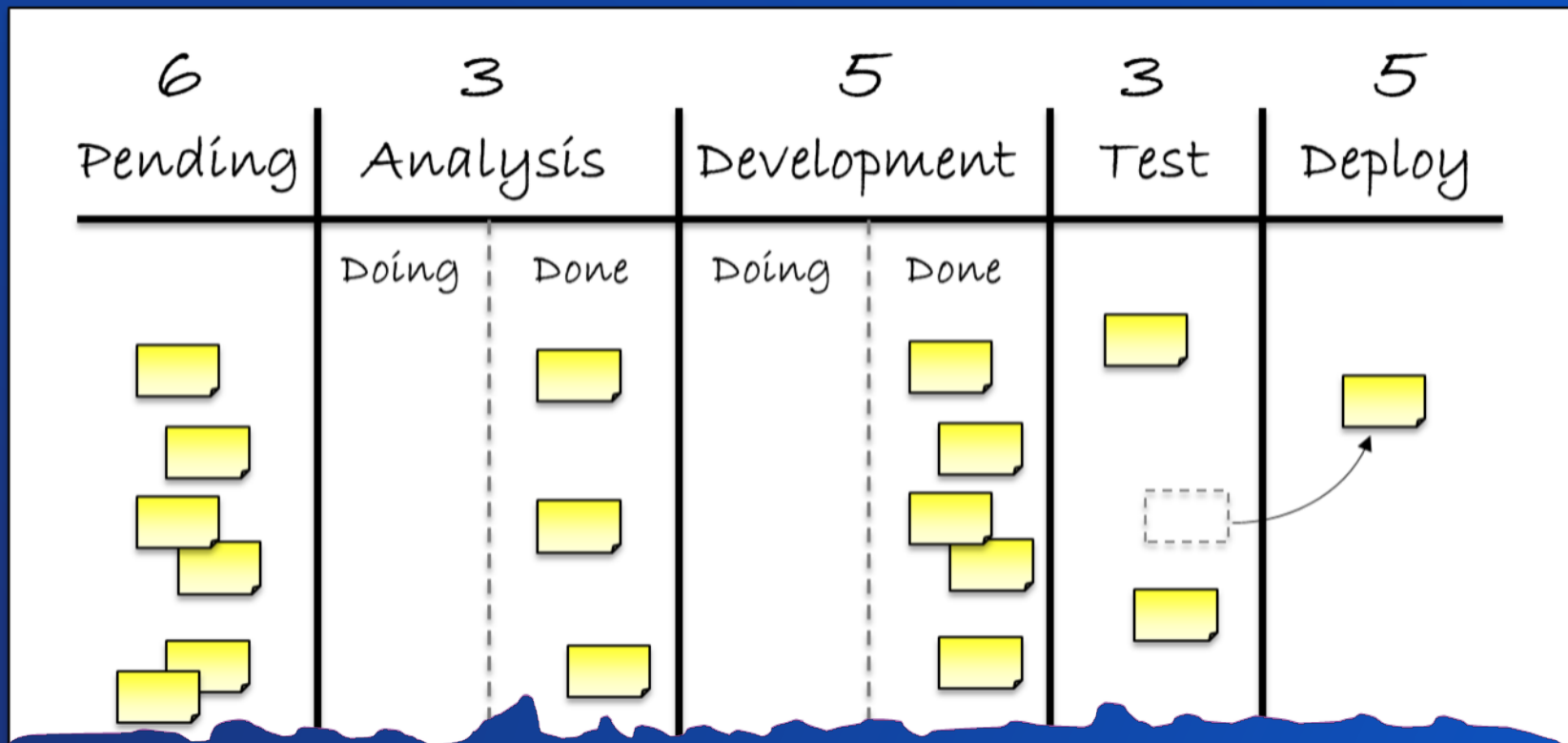
Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right,
we value the items on the **left** more.

Agile Manifesto - www.agilemanifesto.org

KanBan Approach (Still Agile, just not Scrum)

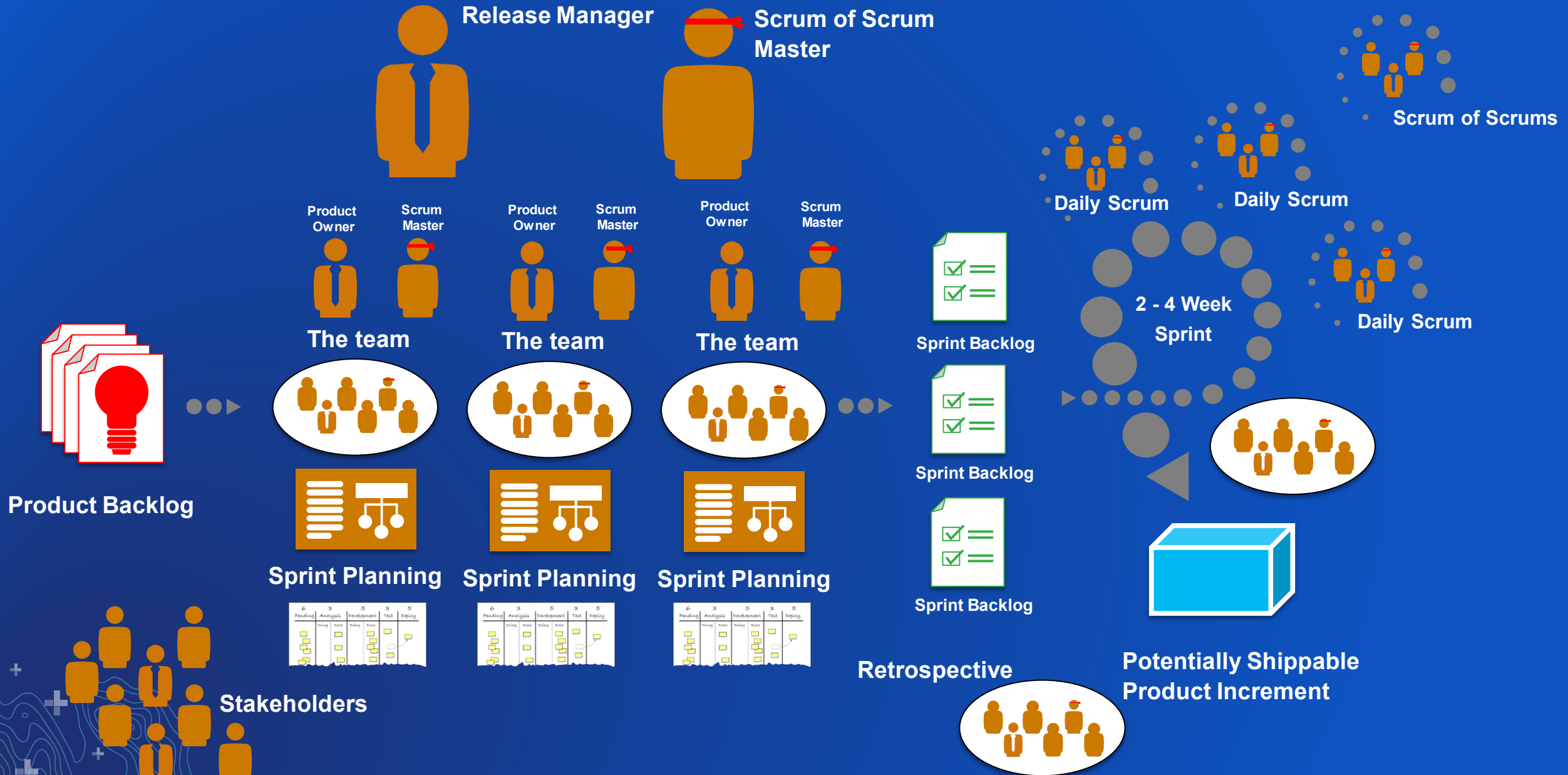
- No defined iterations
- No defined roles
- Direct communication with customer
- Limit your work-in-progress
- Visualize your work
- Ever-changing backlog with on-the-fly prioritization



Scrum Sprint Cycle



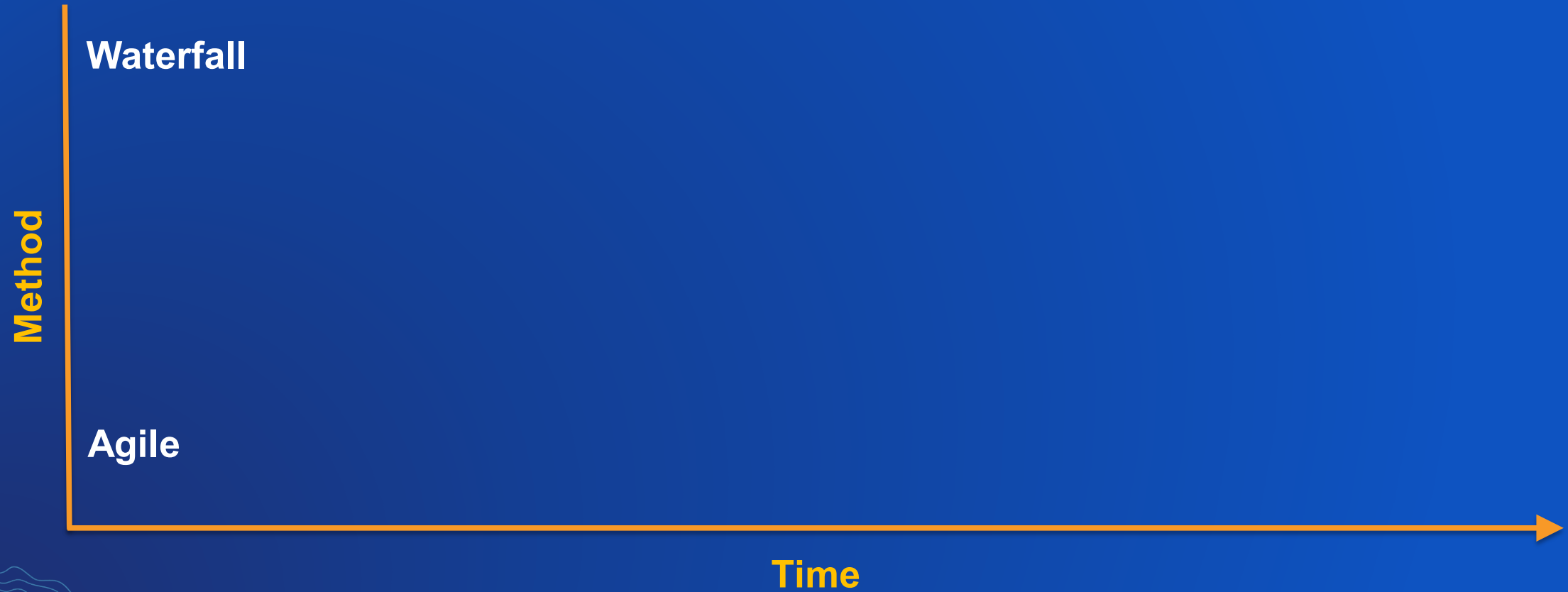
SAFe (Scalable Agile Framework)



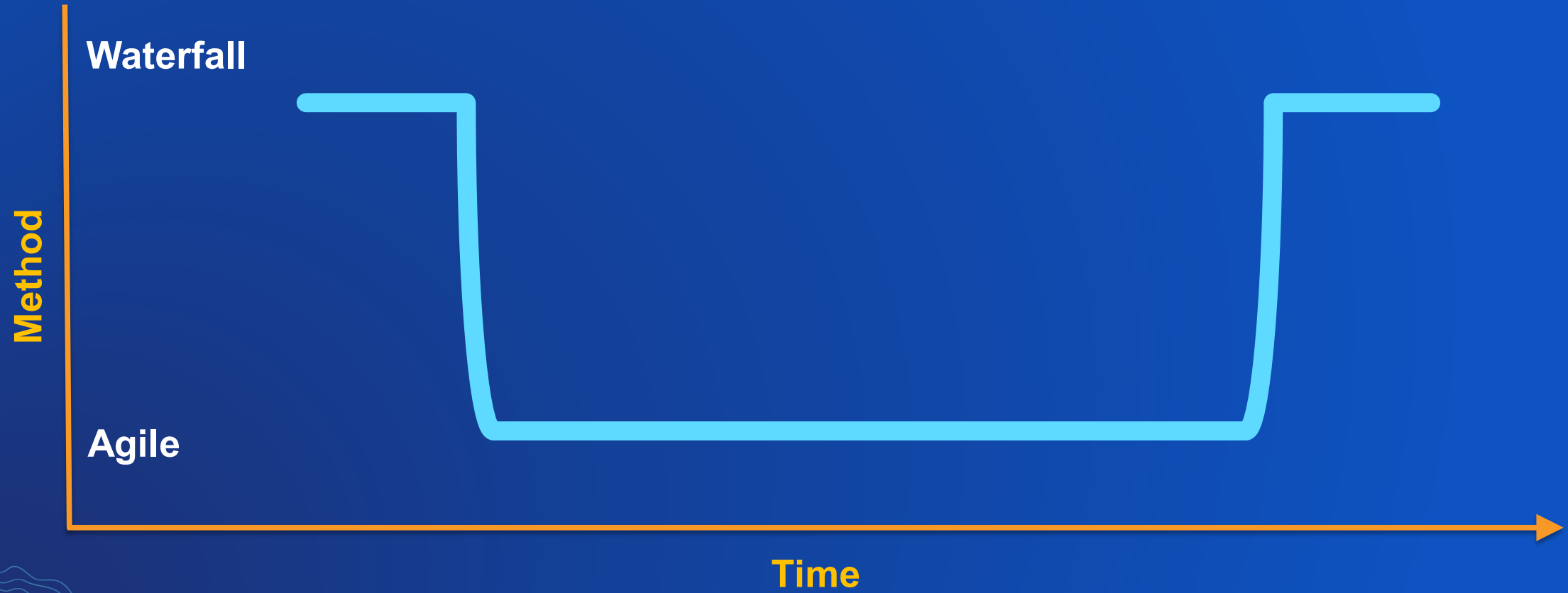
When Do These Models Work Best?

	Waterfall	Staged Delivery	Agile
Scope, Technology, Contract	<ul style="list-style-type: none">• Clear requirements• Fixed deliverables• Single application	<ul style="list-style-type: none">• Several applications• Prototypes expected	<ul style="list-style-type: none">• Flexible scope, deliverables• One or several applications
Size, Duration	<ul style="list-style-type: none">• Small size, short duration project	<ul style="list-style-type: none">• Medium or large size, mid to long duration	<ul style="list-style-type: none">• Any size or duration project
Capacity, Capabilities, Environment	<ul style="list-style-type: none">• Limited capacity, resources, and environment• Frequent turnover on project team	<ul style="list-style-type: none">• Capacity, resources, and environment to support multiple releases	<ul style="list-style-type: none">• Customer EXPECTS collaboration• Stable, experienced project team

Using Agile in a Consulting Project



Using Agile in a Consulting Project



Using Agile in a Consulting Project



Method

Waterfall

Agile

Time



Using Agile in a Consulting Project



Method

Waterfall

Agile

Time

Sprint 0.0

Sprint 0.1

Sprint 0.2
Release 1

Sprint 1.1

Sprint 1.2

Sprint 1.3

Release 2

Sprint 2.1

Sprint 2.2

Sprint 2.3

Release 3

Sprint 3.1

Sprint 3.2

Sprint 3.3

Release 4

Sprint 4.1

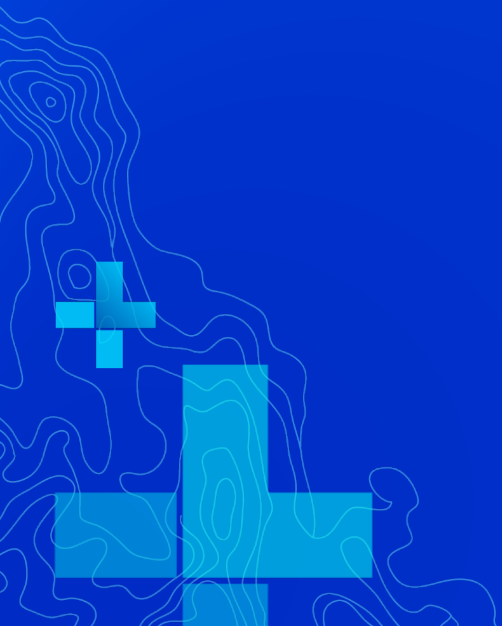
Sprint 4.2

Final Release



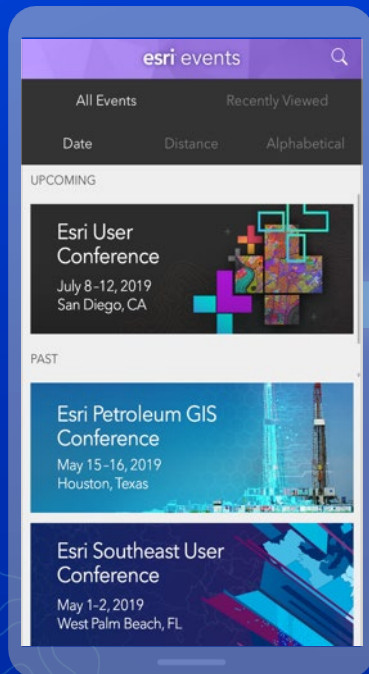
Questions?

Section Subhead

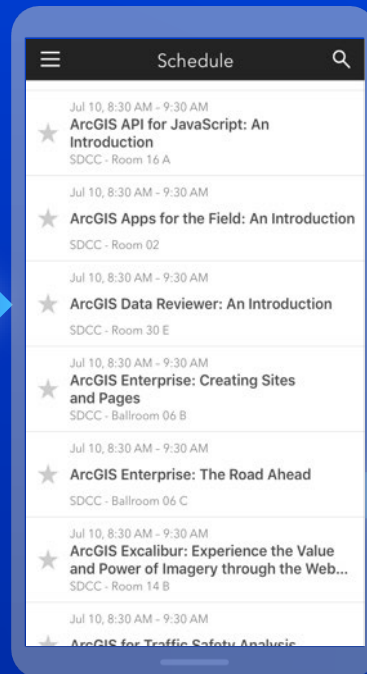


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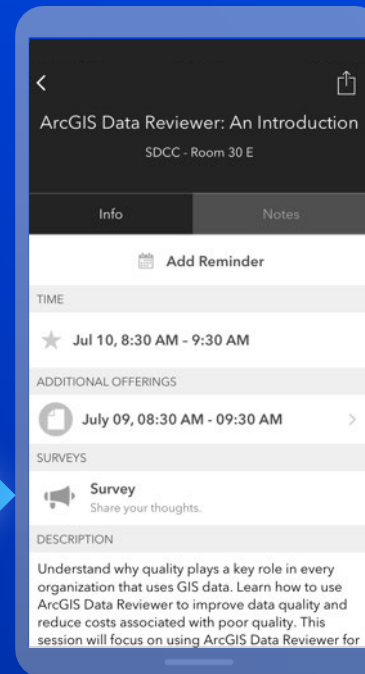
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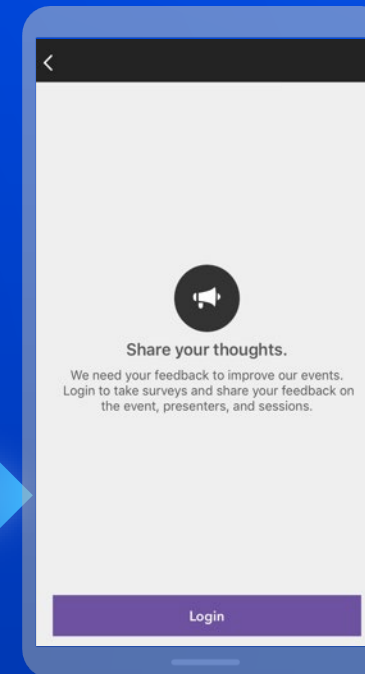
Select the session you attended



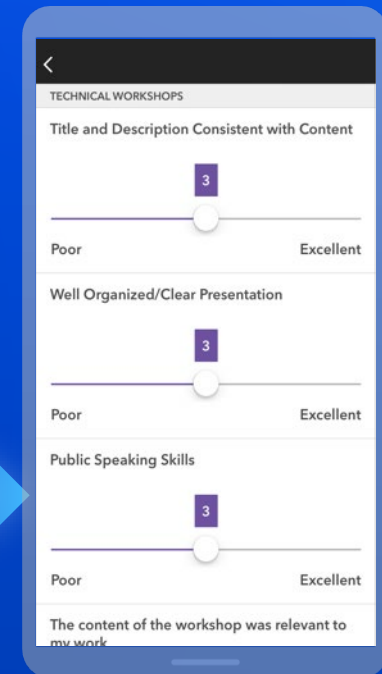
Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"



Learn and Do More....

SESSION	LOCATION	TIME FRAME
<ul style="list-style-type: none">• Esri Best Practices: Collect and Manage Requirements for Successful GIS Projects• Esri Best Practices: Implementing and Enterprise Geodatabase• Implementing ArcGIS Island	<ul style="list-style-type: none">• SDCC Room 30A• SDCC Room 31A• SDCC Expo Hall	<ul style="list-style-type: none">• Wednesday 1:00 pm – 2:00 pm• Wednesday 2:30 pm – 3:30 pm• 8:30 am – 6:30 pm daily

