Agile Software Development

Agile Methodologies Adoption

<1% DSDM/Atern
<1% Feature-Driven Development (FDD)
<1% Lean Startup
1% Lean Development
2% Iterative Development
5% Other
5% Kanban
8% Scrumban
8% Custom Hybrid (multiple methodologies)
10% Scrum/XP Hybrid

<1% XP
<1% Agile Unified Process (AgileUP)
2% I Don't Know

58% Scrum
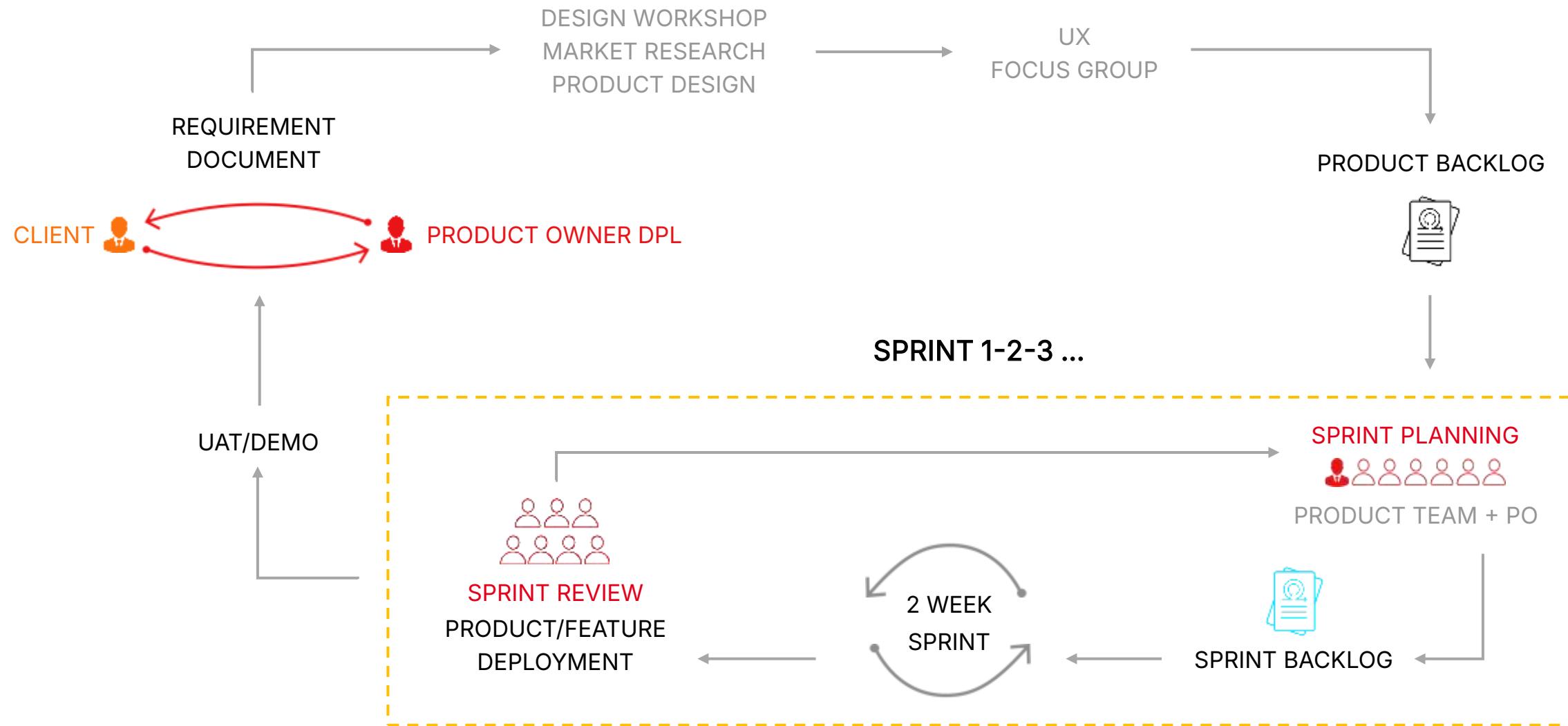
Agile Methodologies Used
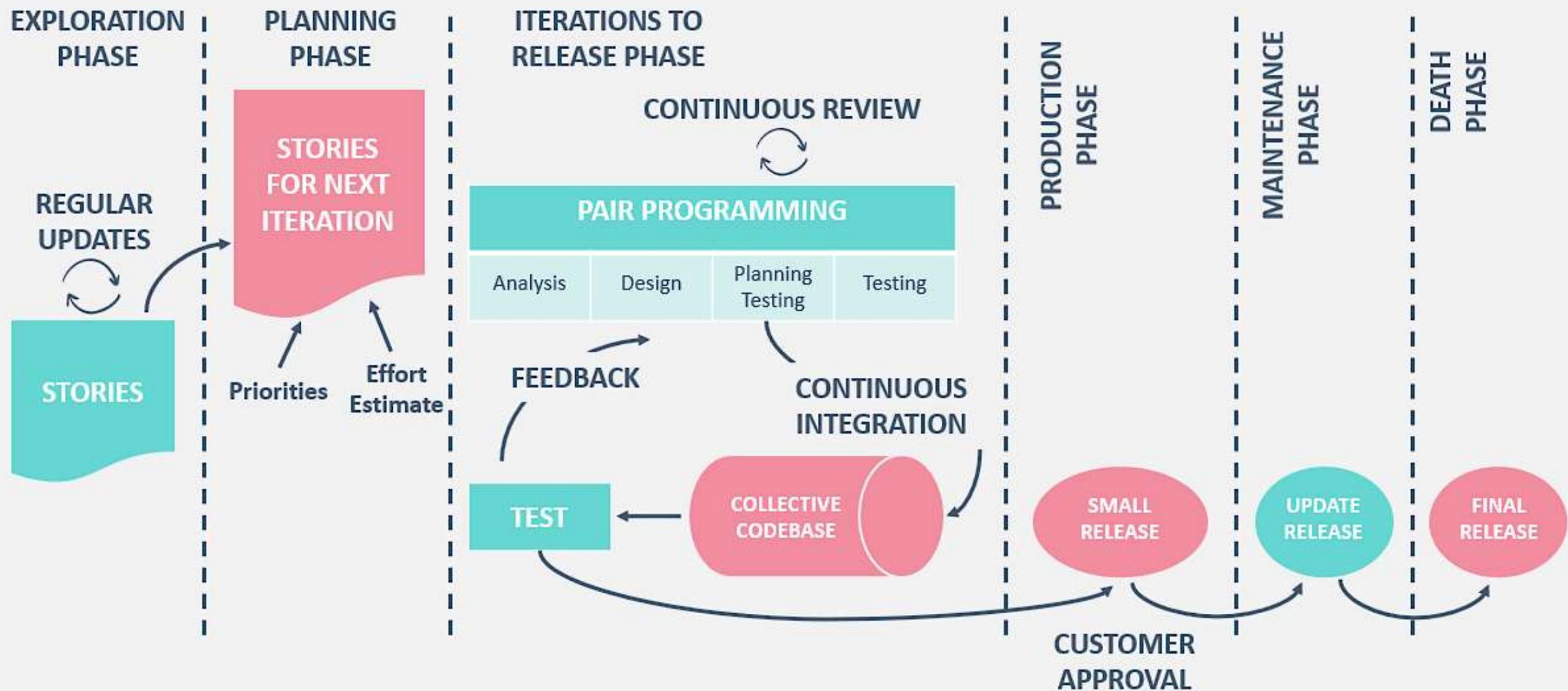
Scrum and Scrum/XP Hybrid (68%) continue to be the most common agile methodologies used by respondents' organizations.

Agile Methodologies At a Glance

Methodology	Team Size	Iteration Style	Best For	Key Focus
Scrum	5–9	Sprints	Product Development	Roles, Ceremonies
Kanban	Any	Continuous Flow	Ongoing Support	WIP Limits, Visual Boards
XP	Small	Short Iterations	Engineering-Centric Teams	Code Quality, Pairing
FDD	Large	Feature-Driven	Enterprise Systems	Domain Modelling
DSDM	Medium–Large	Timeboxed	Governance-Heavy Projects	Stakeholder Collaboration
Crystal	Small	Adaptive	Lightweight Teams	People Centric
Lean	Small–Enterprise	Continuous	Value Stream Delivery	Waste Elimination
Scrumban	Any	Sprint + Flow	Transitional Teams	Hybrid Flexibility

SCRUM

DESIGN WORKSHOP
MARKET RESEARCH
PRODUCT DESIGN

UX
FOCUS GROUP

REQUIREMENT
DOCUMENT

PRODUCT BACKLOG

CLIENT   PRODUCT OWNER DPL

SPRINT 1-2-3 ...

UAT/DEMO

SPRINT PLANNING

PRODUCT TEAM + PO

SPRINT REVIEW
PRODUCT/FEATURE
DEPLOYMENT

2 WEEK
SPRINT

SPRINT BACKLOG
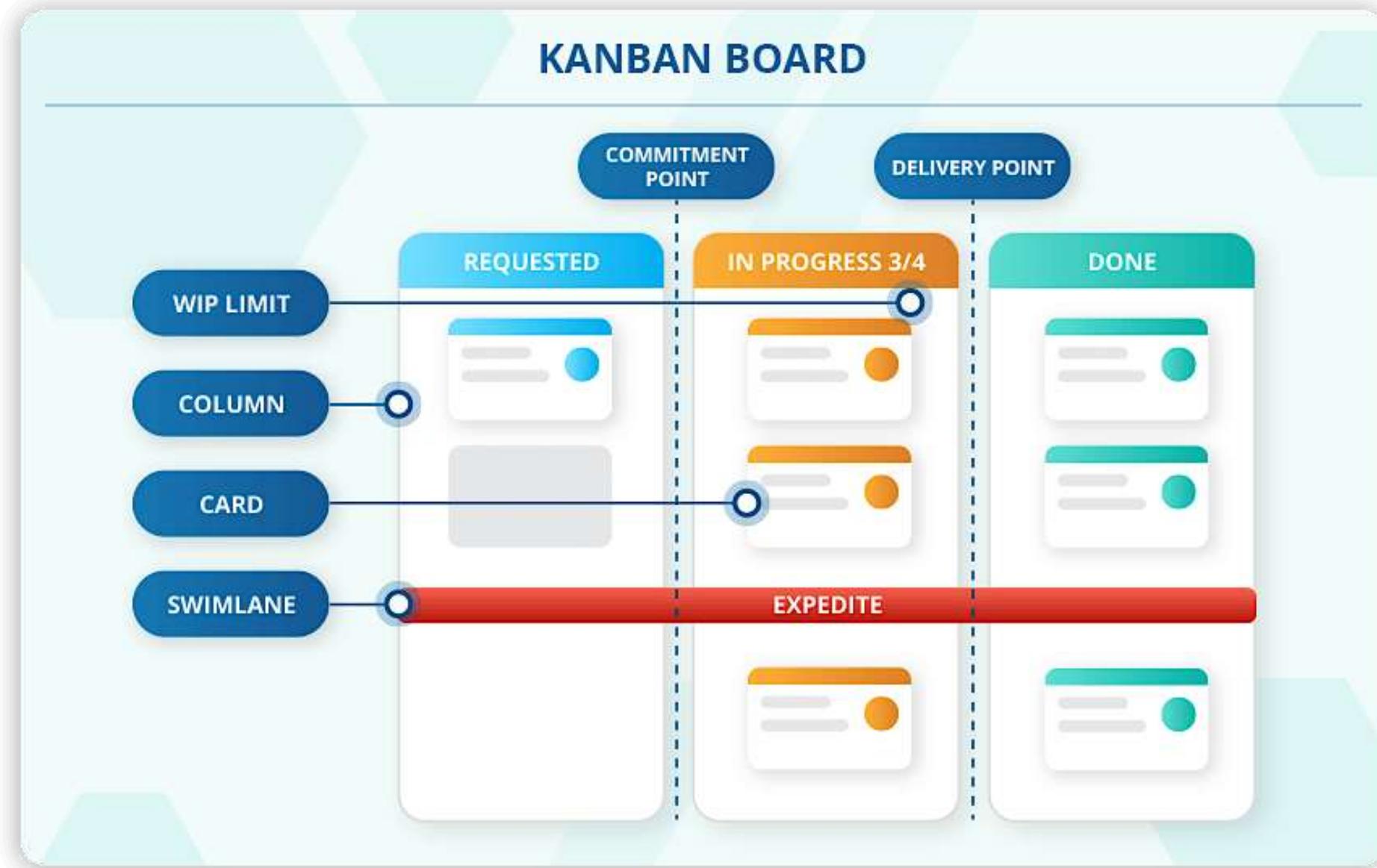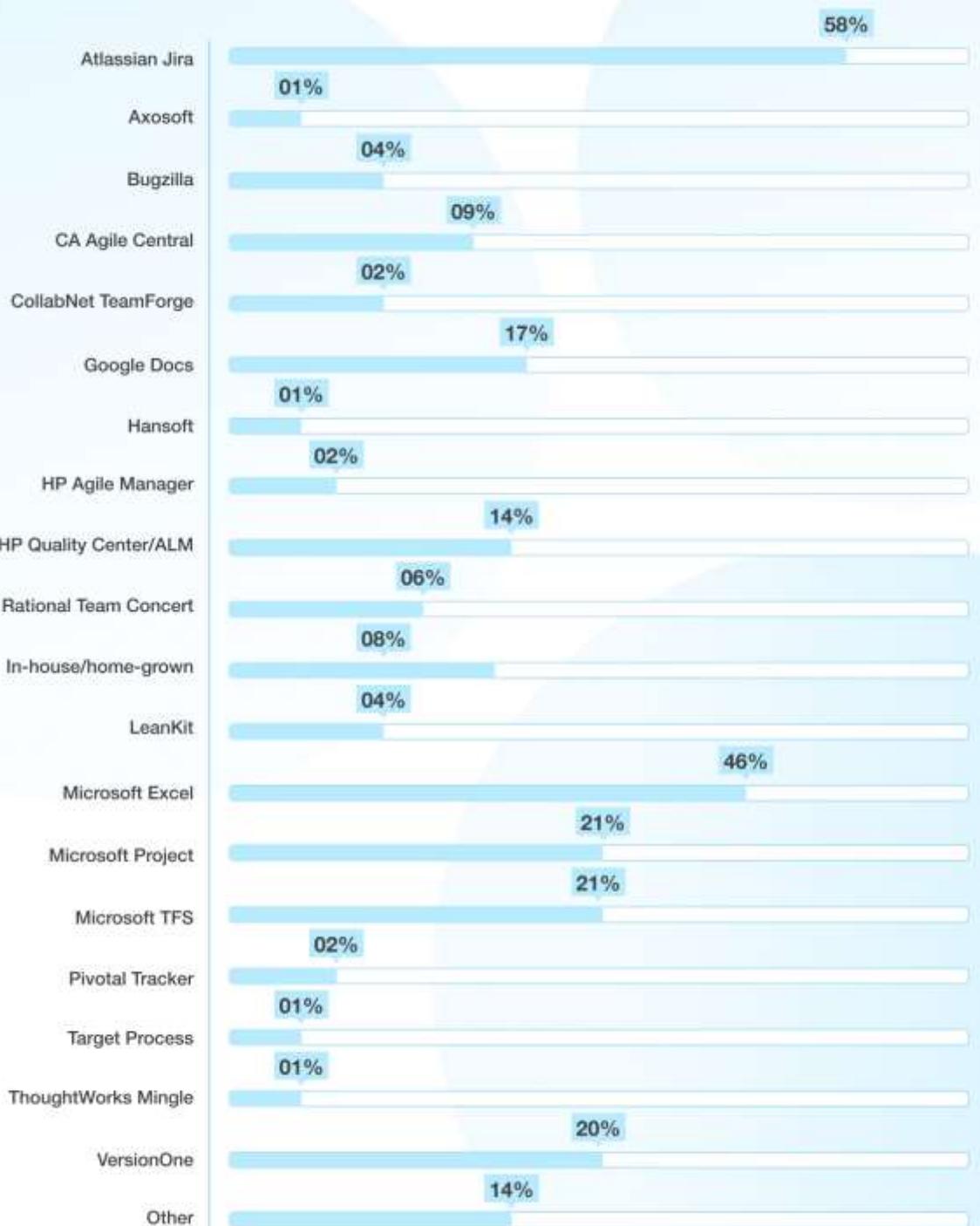
Extreme Programming
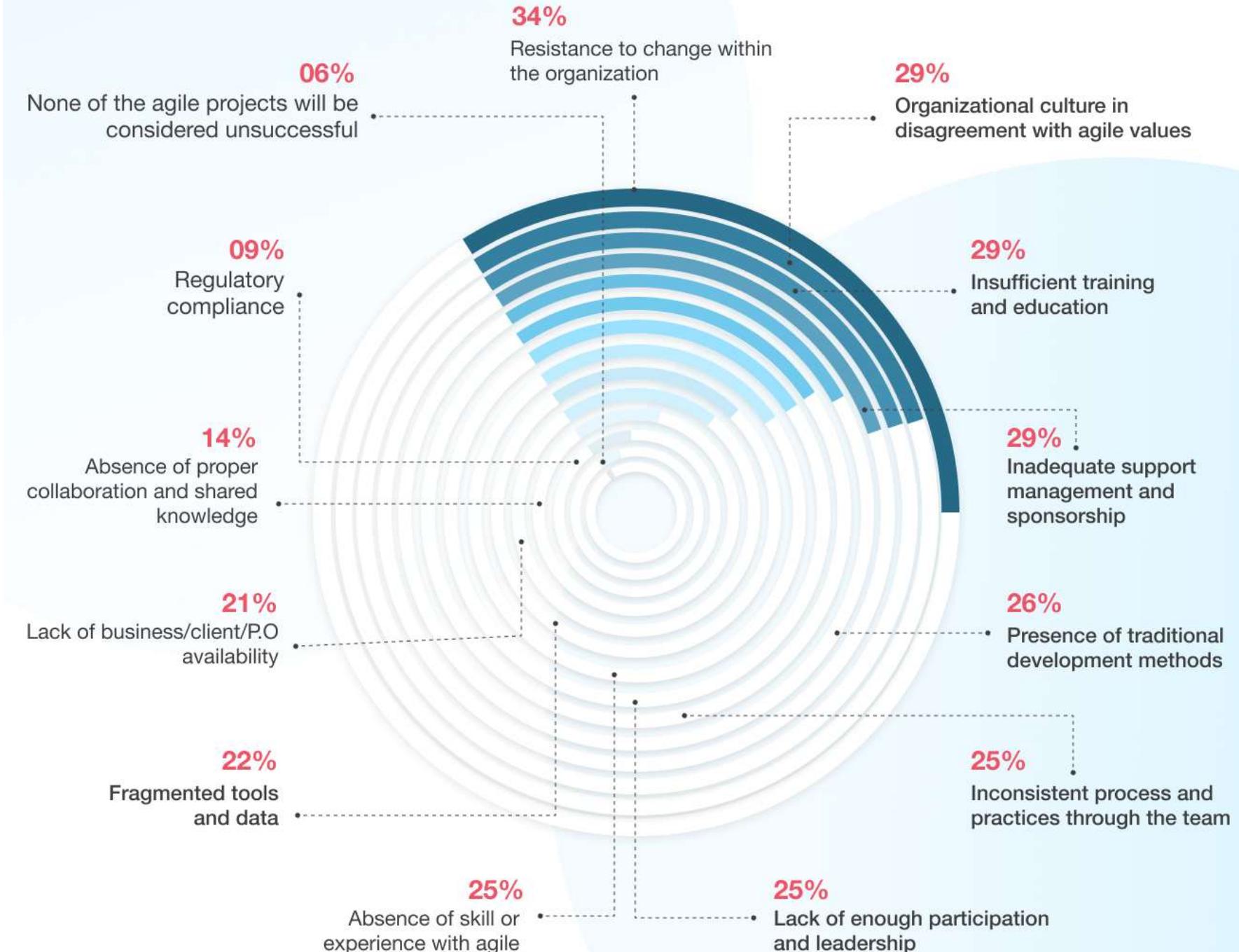
Kanban

The market share of agile tools in the industry.

Tool	Market Share
Atlassian Jira	58%
Axosoft	01%
Bugzilla	04%
CA Agile Central	09%
CollabNet TeamForge	02%
Google Docs	17%
Hansoft	01%
HP Agile Manager	02%
HP Quality Center/ALM	14%
IBM Rational Team Concert	06%
In-house/home-grown	08%
LeanKit	04%
Microsoft Excel	46%
Microsoft Project	21%
Microsoft TFS	21%
Pivotal Tracker	02%
Target Process	01%
ThoughtWorks Mingle	01%
VersionOne	20%
Other	14%

Challenges Organizations face in adopting Agile

34%
Resistance to change within the organization

06%
None of the agile projects will be considered unsuccessful

29%
Organizational culture in disagreement with agile values

29%
Insufficient training and education

09%
Regulatory compliance

29%
Inadequate support management and sponsorship

14%
Absence of proper collaboration and shared knowledge

26%
Presence of traditional development methods

21%
Lack of business/client/P.O availability

22%
Fragmented tools and data

25%
Inconsistent process and practices through the team

25%
Absence of skill or experience with agile

25%
Lack of enough participation and leadership

Thank You