PWG 4. AGILE SOFTWARE DEVELOPMENT

- Customers can see and try evolving software: 40%
- A working product at the end of each iteration: 51%
- Series of short term subprojects: 57%
- Adjustment to changing requirements: 65.7%

Participants:

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<table>
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<tbody>
<tr>
<td>Academia</td>
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<tr>
<td>Industry</td>
<td>5</td>
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<td>Unknown</td>
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<td>Total Participants</td>
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The 4 most prominent agile processes

Mixed

88%
71%

Scrum

Rational unified process

57%

Feature driven development

46%
Do you use agile software development methods in your projects?

- 57% have used agile methods and will continue to use them
- 20% have not used agile methods but plan to use them in the future
- 11% have not used agile methods and do not plan to use them in the future
- 9% have used agile methods but would not use them in the future
- 3% have used agile methods and would not use them in the future

**Positive**

- I have used agile methods and will continue to use them (57%)
- I have not used agile methods but plan to use them in the future (20%)
- Other (11%)
What do you think about the topic?

- Industry 80%
  - Emerging (43%)
  - Evergreen (31%)
  - Mature (11%)
  - Declining (9%)
  - No answer (6%)

- Academia
  - 0 to 10 years of experience
  - No answer (6%)
The main advantage?

- Projects can be adjusted easily to changing requirements (54%)

The main disadvantage?

- Agile methods are hard to apply; team members tend to focus more on the method rather than the project goals (31%)
- Other 37%

What aspects should be researched?

- Empirical validation of practices (27%)
- Human aspects of working in teams (17%)
- Agile documentation methods (17%)
- Productivity changes during introduction of different agile processes (12%)
- Refinement and standardisation of agile methods (11%)
- Specific tools (10%)

Academia

Industry