



UNIVERSITY OF GOTHENBURG

9<sup>th</sup> of January 2026

# Project Charts

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## Inventory

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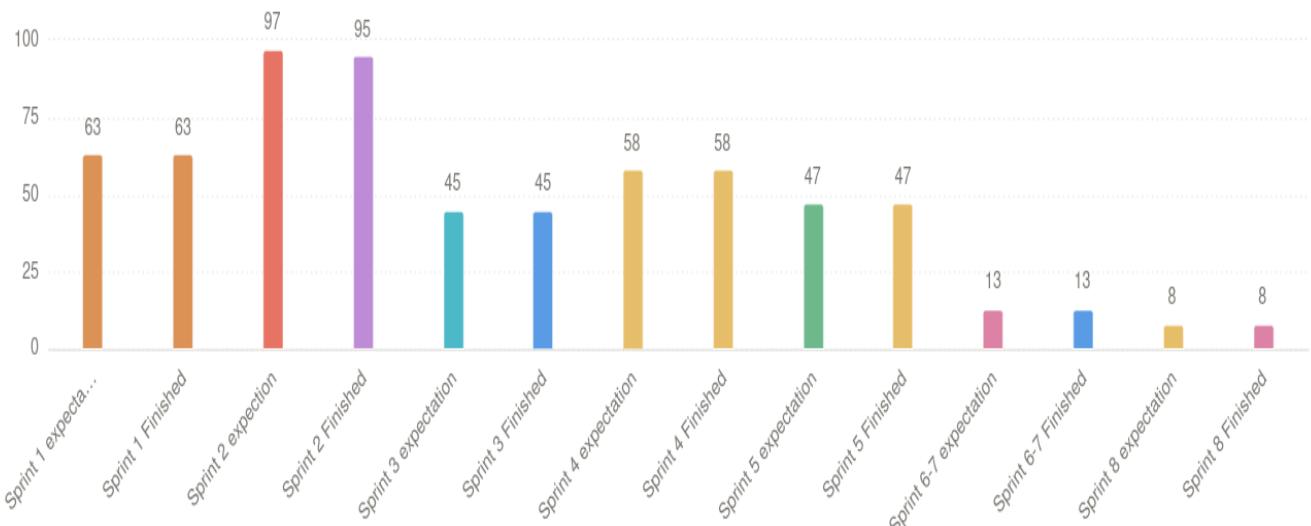
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This document contains Scrum team 3 sprint performance metrics for the duration of the 8 week Inventory Management System project. The charts included Velocity, Burnup, Burndown and Agile Earned Value to provide visual aid in analysing the teams delivery patterns and project lifetime health.

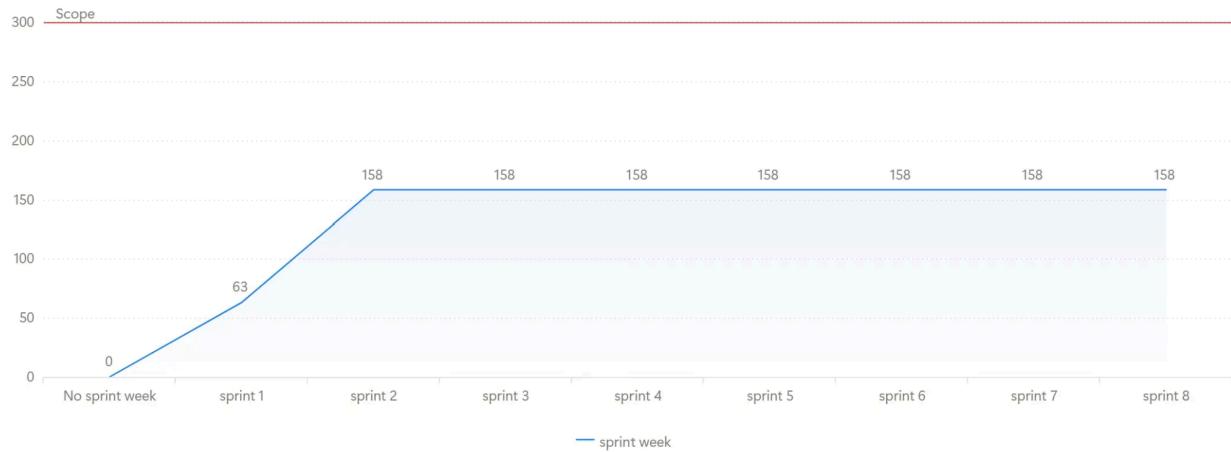
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## Velocity over the project



## Burnup charts

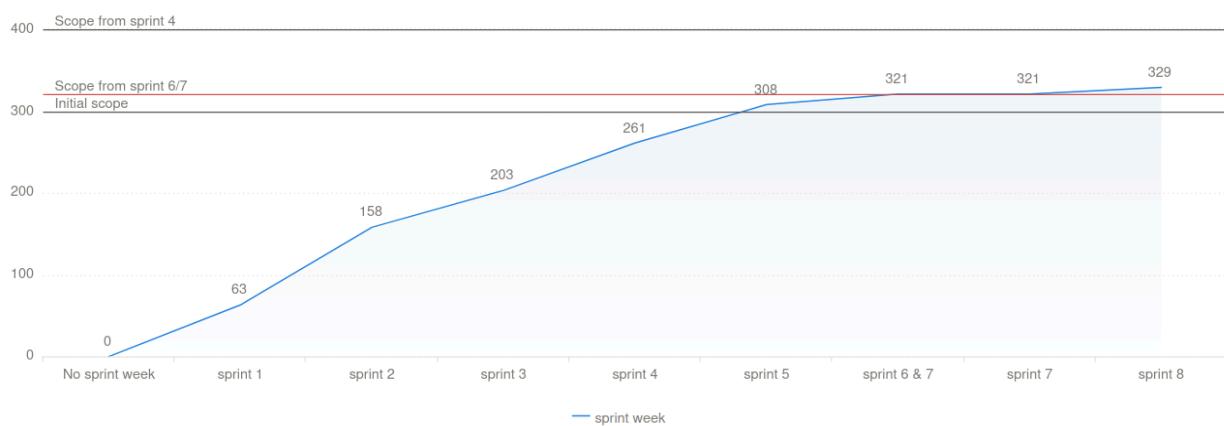
### Sprint 1-2



### Sprint 3



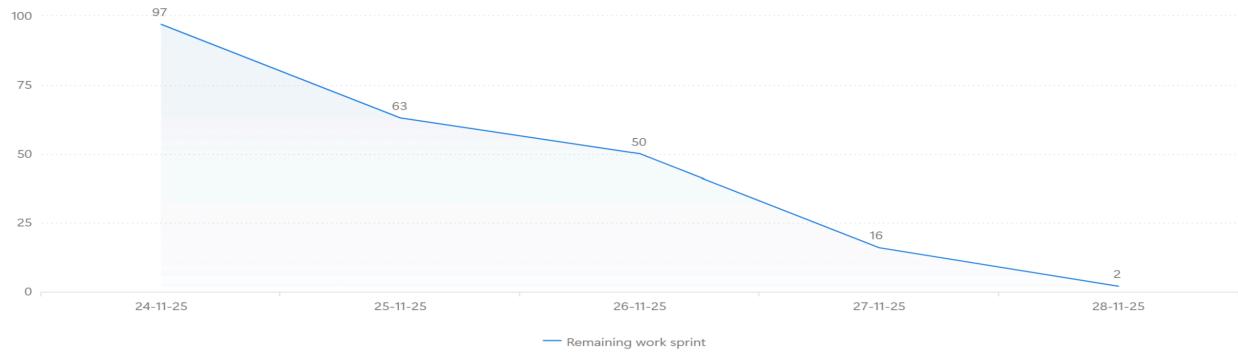
### sprint 4-8



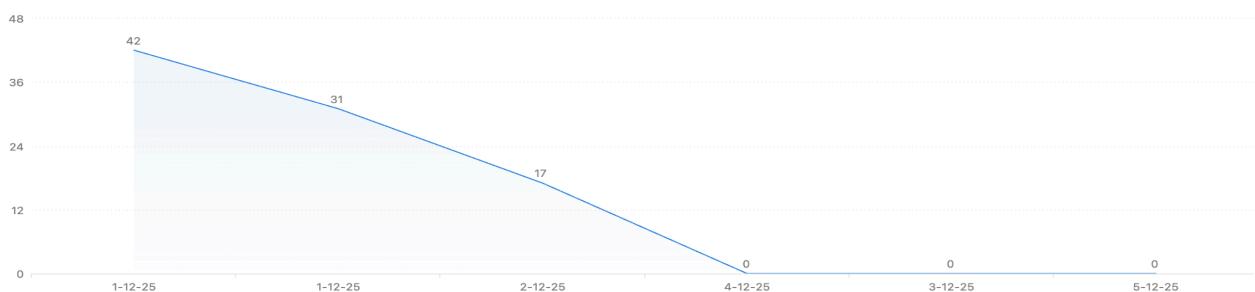
## Burndown charts



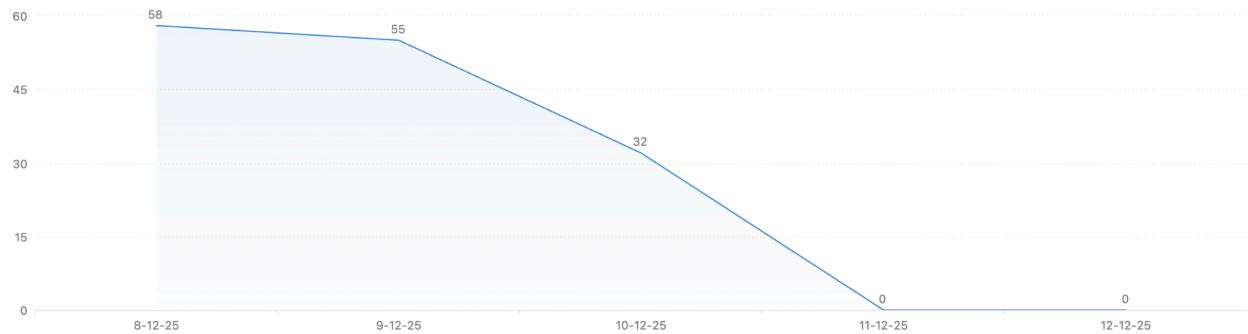
Sprint 1



Sprint 2



Sprint 3



Sprint 4



Sprint 5



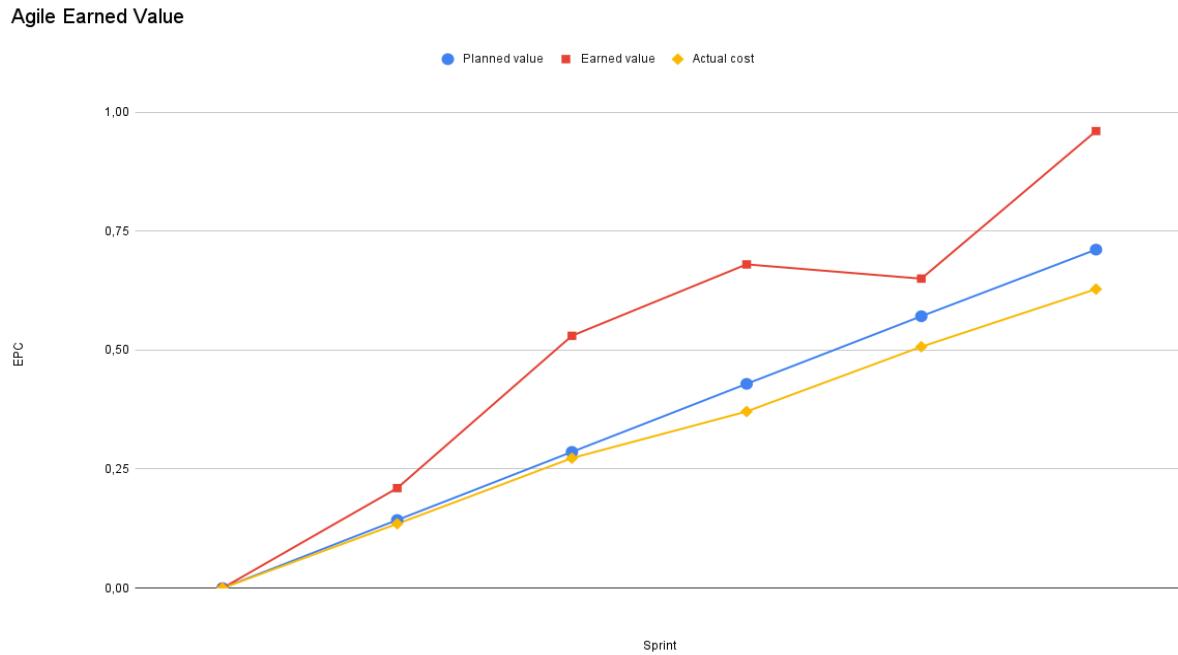
Sprint 6/7



Sprint 8

## Earned value charts

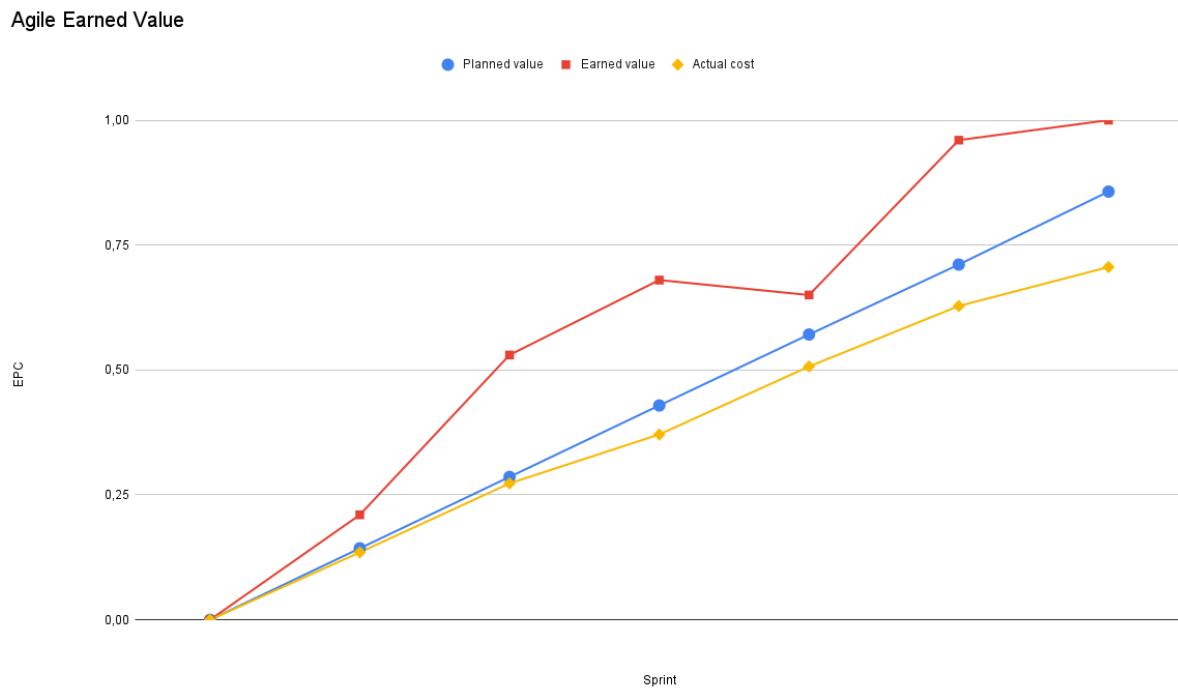
### Sprint 5 agile earned value



data for earned value chart

| Sprint                              | Sprint 1 | Sprint 2 | Sprint 3 | Sprint 4 | Sprint 5 | Sprint 6 & 7 |
|-------------------------------------|----------|----------|----------|----------|----------|--------------|
| Budget per sprint (h)               | 140      | 140      | 140      | 140      | 140      | 140          |
| Story points at start               | 300      |          |          |          |          |              |
| Actual story points (+ scope floor) | 300      | 300      | 300      | 400      | 320      | 321          |
| Story point price (h)               | 3,7      | 3,7      | 3,7      | 2,5      | 3,1      | 3,05         |
| Scope floor                         | 0        | 0        | 0        | 100      | 20       | 1            |
| BAC                                 | 980      | 980      | 980      | 980      | 980      | 980          |
| Story points planned                | 63       | 97       | 45       | 58       | 47       | 13           |
| Story points planned backlogged     | 237      | 140      | 95       | 137      | 10       | -2           |
| Story points (cumulative)           | 63       | 160      | 205      | 263      | 310      | 323          |
| EPC                                 | 14,30%   | 29%      | 42,90%   | 57%      | 71,10%   | 85,70%       |
| Story points done                   | 63       | 95       | 45       | 58       | 47       | 13           |
| Story points done backlogged        | 237      | 142      | 97       | 139      | 12       | 0            |
| Story points done (cumulative)      | 63       | 158      | 203      | 261      | 308      | 321          |
| APC                                 | 21%      | 53%      | 68%      | 65%      | 96%      | 100%         |
| PV                                  | 140,1    | 284,2    | 420,4    | 558,6    | 696,8    | 839,9        |
| EV                                  | 205,8    | 519,4    | 666,4    | 637      | 940,8    | 980          |
| AC (h)                              | 132      | 136      | 96       | 133      | 118      | 77           |
| AC (cumulative)                     | 132      | 268      | 364      | 497      | 615      | 692          |
| AC %                                | 13,50%   | 27,30%   | 37,10%   | 50,70%   | 62,80%   | 70,60%       |
| SV (h)                              | 65,7     | 235,2    | 246      | 78,4     | 244      | 140,1        |
| CV                                  | 73,8     | 383,4    | 570,4    | 504      | 822,8    | 903          |
| SPI                                 | 1,47     | 1,83     | 1,59     | 1,14     | 1,35     | 1,17         |
| CPI                                 | 1,56     | 3,81     | 6,94     | 4,79     | 7,97     | 12,7         |
| Comments                            |          |          |          |          |          |              |

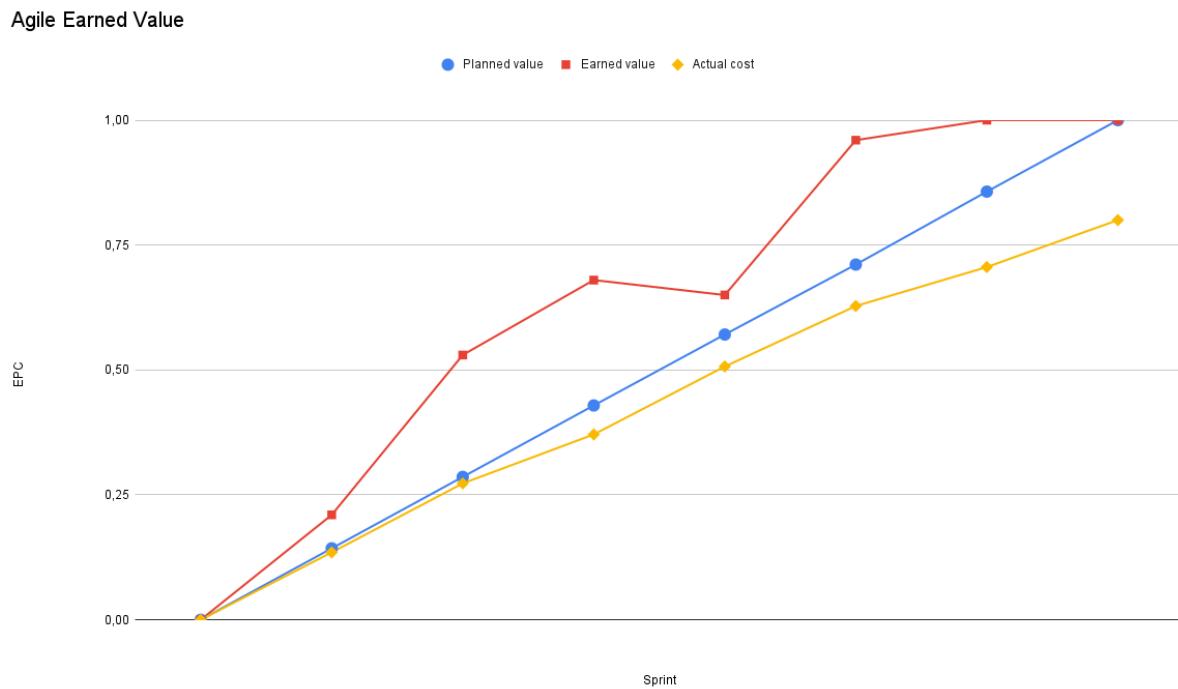
## Sprint 6-7 charts earned value chart:



## All values of agile earned value chart:

| Sprint                              | Sprint 1 | Sprint 2 | Sprint 3 | Sprint 4 | Sprint 5 | Sprint 6 & 7 |
|-------------------------------------|----------|----------|----------|----------|----------|--------------|
| Budget per sprint (h)               | 140      | 140      | 140      | 140      | 140      | 140          |
| Story points at start               | 300      |          |          |          |          |              |
| Actual story points (+ scope floor) | 300      | 300      | 300      | 400      | 320      | 321          |
| Story point price (h)               | 3,7      | 3,7      | 3,7      | 2,5      | 3,1      | 3,05         |
| Scope floor                         | 0        | 0        | 0        | 100      | 20       | 1            |
| BAC                                 | 980      | 980      | 980      | 980      | 980      | 980          |
| Story points planned                | 63       | 97       | 45       | 58       | 47       | 13           |
| Story points planned backlogged     | 237      | 140      | 95       | 137      | 10       | -2           |
| Story points (cumulative)           | 63       | 160      | 205      | 263      | 310      | 323          |
| EPC                                 | 14,30%   | 29%      | 42,90%   | 57%      | 71,10%   | 85,70%       |
| Story points done                   | 63       | 95       | 45       | 58       | 47       | 13           |
| Story points done backlogged        | 237      | 142      | 97       | 139      | 12       | 0            |
| Story points done (cumulative)      | 63       | 158      | 203      | 261      | 308      | 321          |
| APC                                 | 21%      | 53%      | 68%      | 65%      | 96%      | 100%         |
| PV                                  | 140,1    | 284,2    | 420,4    | 558,6    | 696,8    | 839,9        |
| EV                                  | 205,8    | 519,4    | 666,4    | 637      | 940,8    | 980          |
| AC (h)                              | 132      | 136      | 96       | 133      | 118      | 77           |
| AC (cumulative)                     | 132      | 268      | 364      | 497      | 615      | 692          |
| AC %                                | 13,50%   | 27,30%   | 37,10%   | 50,70%   | 62,80%   | 70,60%       |
| SV (h)                              | 65,7     | 235,2    | 246      | 78,4     | 244      | 140,1        |
| CV                                  | 73,8     | 383,4    | 570,4    | 504      | 822,8    | 903          |
| SPI                                 | 1,47     | 1,83     | 1,59     | 1,14     | 1,35     | 1,17         |
| CPI                                 | 1,56     | 3,81     | 6,94     | 4,79     | 7,97     | 12,7         |
| Comments                            |          |          |          |          |          |              |

## Sprint 8 earned value chart:



## All values of agile earned value chart:

| Sprint                                | Sprint 1 | Sprint 2 | Sprint 3 | Sprint 4 | Sprint 5 | Sprint 6 & 7 | Sprint 8 |
|---------------------------------------|----------|----------|----------|----------|----------|--------------|----------|
| Budget per sprint (h)                 | 140      | 140      | 140      | 140      | 140      | 140          | 140      |
| Story points at start                 | 300      |          |          |          |          |              |          |
| Actual story points ( + scope floor ) | 300      | 300      | 300      | 400      | 320      | 321          | 329      |
| Story point price (h)                 | 3,7      | 3,7      | 3,7      | 2,5      | 3,1      | 3,05         | 2,98     |
| Scope floor                           | 0        | 0        | 0        | 100      | 20       | 1            | 8        |
| BAC                                   | 980      | 980      | 980      | 980      | 980      | 980          | 980      |
| Story points planned                  | 63       | 97       | 45       | 58       | 47       | 13           | 8        |
| Story points planned backlogged       | 237      | 140      | 95       | 137      | 10       | -2           | -2       |
| Story points (cumulative)             | 63       | 160      | 205      | 263      | 310      | 323          | 331      |
| EPC                                   | 14,30%   | 29%      | 42,90%   | 57%      | 71,10%   | 85,70%       | 100%     |
| Story points done                     | 63       | 95       | 45       | 58       | 47       | 13           | 8        |
| Story points done backlogged          | 237      | 142      | 97       | 139      | 12       | 0            | 0        |
| Story points done (cumulative)        | 63       | 158      | 203      | 261      | 308      | 321          | 329      |
| APC                                   | 21%      | 53%      | 68%      | 65%      | 96%      | 100%         | 100%     |
| PV                                    | 140,1    | 284,2    | 420,4    | 558,6    | 696,8    | 839,9        | 980      |
| EV                                    | 205,8    | 519,4    | 666,4    | 637      | 940,8    | 980          | 980      |
| AC (h)                                | 132      | 136      | 96       | 133      | 118      | 77           | 92       |
| AC (cumulative)                       | 132      | 268      | 364      | 497      | 615      | 692          | 784      |
| AC %                                  | 13,50%   | 27,30%   | 37,10%   | 50,70%   | 62,80%   | 70,60%       | 80,00%   |
| SV (h)                                | 65,7     | 235,2    | 246      | 78,4     | 244      | 140,1        | 0        |
| CV                                    | 73,8     | 383,4    | 570,4    | 504      | 822,8    | 903          | 888      |
| SPI                                   | 1,47     | 1,83     | 1,59     | 1,14     | 1,35     | 1,17         | 1        |
| CPI                                   | 1,56     | 3,81     | 6,94     | 4,79     | 7,97     | 12,7         | 10,7     |
| Comments                              |          |          |          |          |          |              |          |