



## Sprint Review 5 - 11/10/2020

Date	Oct 11, 2020
Issues	<a href="#">MYR-8: Reports</a> <b>DONE</b> <a href="#">MYR-6: Patrolling</a> <b>DONE</b> <a href="#">MYR-58: Data structure optimization</a> <b>DONE</b>
Status	<b>GREEN</b>
Participants	@Martina Cavallucci (Scrum Master), @simone Golinucci, @Linda Guiducci, @Matteo Magnini (Product Owner)

### Report summary

#### Epic Goal:

- Implement data structure optimization(insertion, query, removal)
- Patrolling behavior of ants
- Display report and save simulation information on file

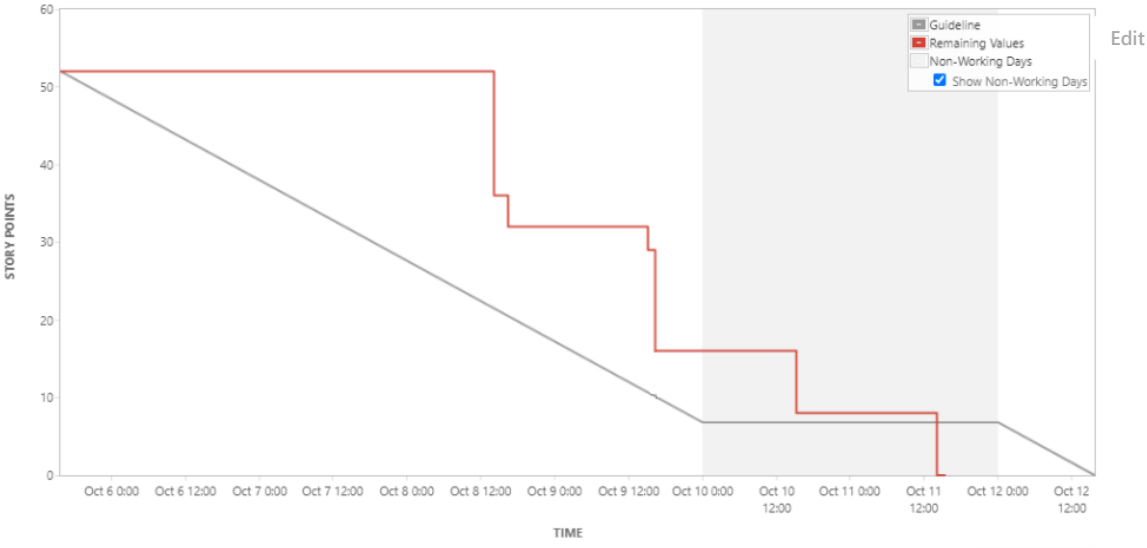
#### User Story Goal :

- As a user I want the ants to have the patrolling behavior so that I can simulate it in silicon
- As a user I want to collect data from the simulation so that I can analyze it later

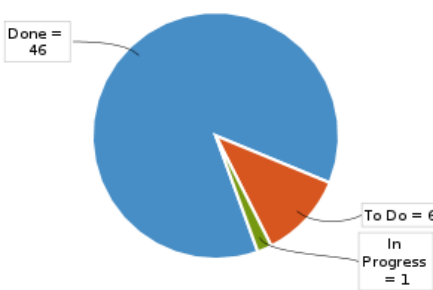
Epic	Story	Task Description	Assigned to	Priority	Estimate d Story Points	Actual Hours	Current State	Will Demonstrat rate
<a href="#">MYR-6: Patrolling</a> <b>DONE</b>	<a href="#">MYR-22: Pheromones for patrolling</a> <b>DONE</b>	<ul style="list-style-type: none"> <li>• Creation of specific pheromone to detect "danger" for the ants</li> </ul>	@Matteo Magnini	Medium	2	2h	Done	Yes
	<a href="#">MYR-61: Expand ants competence</a> <b>DONE</b>	<ul style="list-style-type: none"> <li>• Added danger pheromone taxis for patrolling ant</li> <li>• When ant die in a fight, relies a danger pheromone</li> </ul>	@Matteo Magnini	Medium	2	2h	Done	Yes
	<a href="#">MYR-62: Improve fight logic</a> <b>DONE</b>	<ul style="list-style-type: none"> <li>• Improve fight logic</li> </ul>	@Matteo Magnini	Medium	3	2h	Done	Yes
?	<a href="#">MYR-59: R-Tree</a>	<ul style="list-style-type: none"> <li>• Think R-tree creation</li> </ul>	@Linda Guiducci	Medium	13	14h	Done	Yes

<div>MYR-58:</div> <div>Data</div> <div>structure</div> <div>optimization</div> <div>DONE</div>	Creation	algorithm in logic paradigm						
	DONE	<ul style="list-style-type: none"> <li>Implement node insertion</li> <li>Implement node removal (with fixed tree)</li> <li>Test structure</li> </ul>						Edit
	<div>MYR-60:</div> <div>R-Tree query</div> <div>DONE</div>	<ul style="list-style-type: none"> <li>Implement range query on R-tree</li> <li>Test query</li> </ul>	@Linda Guiducci	Medium	8	2h	Done	Yes
	<div>MYR-54:</div> <div>Obstacle with different shape</div> <div>DONE</div>	<ul style="list-style-type: none"> <li>Implement recursive obstacle join</li> <li>Handle bouncing between obstacle and food</li> <li>Food as obstacle</li> </ul>	@simone Golinucci	High	8	15h	Done	Yes
<div>MYR-8:</div> <div>Reports</div> <div>DONE</div>	<div>MYR-23:</div> <div>Save simulation information</div> <div>DONE</div>	<ul style="list-style-type: none"> <li>Save to file sampled information about enemy and ant</li> </ul>	@Martina Cavallucci	Highest	8	4h	Done	Yes
	<div>MYR-25:</div> <div>Show data in gui</div> <div>DONE</div>	<ul style="list-style-type: none"> <li>Display plot about simulation information progress</li> </ul>	@Martina Cavallucci	Low	8	4h	Done	Yes

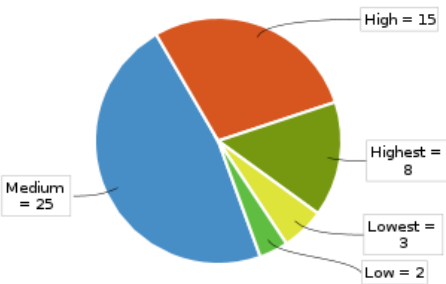
## Burndown Chart



Overall status



Priority



Issue Type

