

Sprint plan 5

Bachelor Graduation Project: Model-based Optimization and Visualization of Aircraft Noise

Team: Elvan Kula and Hans Schouten

User Story	Task	Task Assigned To	Estimated Effort per Task
The user wants a clear overview of the contour values that are visualized	- Implement colour gradient interpolation for the contour map	Hans	5 Hours
	- Add legend that dynamically shows boundary values	Elvan	5 Hours
	- Add labels to selected contours in visualization	Hans & Elvan	4 Hours
The user wants to be able to enter an input trajectory in WGS, RD and standard metric (meters) coordinates	- Implement algorithm to convert WGL coordinates to meters	Hans	3 Hours
	- Implement algorithm to convert RD coordinates to meters	Hans & Elvan	5 Hours
The user wants to visualize awakenings that is based on the noise values and population statistics	- Filter population data based on the input grid	Hans & Elvan	2 Hours
	- Visualize every house in GE with a bar	Hans	4 Hours
	- Calculate dynamically the noise value corresponding to a particular address	Elvan	4 Hours
	- Implement awakenings algorithm	Hans & Elvan	5 Hours
	- Implement randomized selection algorithm for the houses	Hans & Elvan	5 Hours
	- Animate the bars to grow in height and change colour with produced noise	Hans & Elvan	8 Hours