

Project Name	...
Online team meeting	https://fau.zoom.us/j/6803204673?pwd=WXNPdFZMNlnd2lETkptek41ay9wUT09
Production system (if any)	...
Test system (if any)	...
GitHub repository	https://github.com/amosproj/amos2023ss02-open-search-meta-data-hub
GitHub feature board	https://github.com/orgs/amosproj/projects/16
GitHub impediments backlog	https://github.com/orgs/amosproj/projects/20
Team T-shirt	https://forms.gle/rdXqbq1WSFjwHkSx8
Shirt Männer weiß (straight)	https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/1ede23cb-6cd8-4c7e-add4-c36230174560
Shirt Damen weiß (fitted)	https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/08540543-2925-4dbd-b6ce-0f6520efca57
Google Drive	https://drive.google.com/drive/folders/1q_4jGjhKRwsXwnjI5Y8Q8BE-SpLZvNBZ?usp=share_link
Discord	https://discord.gg/9sfDKWSE
Mailing List	oss-amos-proj2@lists.fau.de
AMOS General Info	AMOS SS 2023 - Organisation [Public]
Homework File	https://docs.google.com/document/d/1ELeRxm30hb7p6sNm3OtpFh6HGTuOhBOW_DTp98vCRQY/edit
Amos-Happy	https://happy-amos.appspot.com/Project?project=5925364299726848&course=6296268179505152
Miro Board for Retrospectives	https://miro.com/app/board/uXjVMPOCVy4=/?share_link_id=101469504904

Last Name	First Name	GitHub User Name	Email Address
Rotsching	Lukas	lukas-rotsching	lukas.rotsching@fau.de
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Meyer ter Vehn	Martin	martin-mtv	martin.meyerter.vehn@fau.de
Houssaen	Amir	Amir-Hussein-OTH	amir.hussein@fau.de

#	Meeting Day	Product Owner	Software Developer	Release Manager	Scrum Master	Comment
1	2023-04-19	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	N/A	Corinna Wüllner	
2	2023-04-26	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Omar	Corinna Wüllner	
3	2023-05-03	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Jan	Corinna Wüllner	
4	2023-05-10	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Max Ole	Corinna Wüllner	
5	2023-05-17	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Leon	Corinna Wüllner	
6	2023-05-24	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Martin	Corinna Wüllner	
7	2023-05-31	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Amir	Corinna Wüllner	Mid-term due
8	2023-06-07	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Omar	Corinna Wüllner	
9	2023-06-14	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Jan	Corinna Wüllner	
10	2023-06-21	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Max Ole	Corinna Wüllner	
11	2023-06-28	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Leon	Corinna Wüllner	
12	2023-07-05	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Martin	Corinna Wüllner	
13	2023-07-12	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Amir	Corinna Wüllner	
14	2023-07-19	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Omar	Corinna Wüllner	Demo day!
15	2023-07-26	Tawfeek Al-Sheikh, Lukas Rotsching	Everyone else	Jan	Corinna Wüllner	Retrospective

Goals	Be respectful to each other. Be nice and try not to be too harsh to your teammates
	Make the team meetings fun for every participant
	Help each other
	Be productive and work efficient
Meeting norms	Everybody has to show up
	Don't waste your teammates time
	Everyone comes prepared to the meetings
	Everyone is motivated and contributes actively
Working norms	Decisions are made democratically
	We support each other
Coordination norms	Everyone is responsible for his/her assigned tasks and has to deliver. If problems arise, tell the team in time
	Every developer can pick tickets for each sprint. Try to respect others' wishes
	POs moderate the meeting, but everyone can always state his/her opinion
Communication norms	Respect everyone's opinion
	Respond to messages at least on the next day
	Everyone checks all message channels at least on time per day (except weekends)
Consideration norms	POs can always stop discussions when they deem them irrelevant or too specific for the whole team meeting
	The scrum master intervenes whenever a discussion gets out of hand
Cont. improvement norms	Try to improve the quality by giving constructive feedback
	Respect that every developer has his/her own way of doing things
	Try to find the underlying reason if the sprint plan fails
Rewards	We occasionally have meetings just for fun (eat dinner, drink some beer e.g.)
Sanctions	We always try to solve problems immediately as a team. If that does not work out we will sanction specific behavior or a member after a democratic discussion
Signed by	Rotsching
	Miltner
	Al-Sheikh
	Elliger
	Ninach

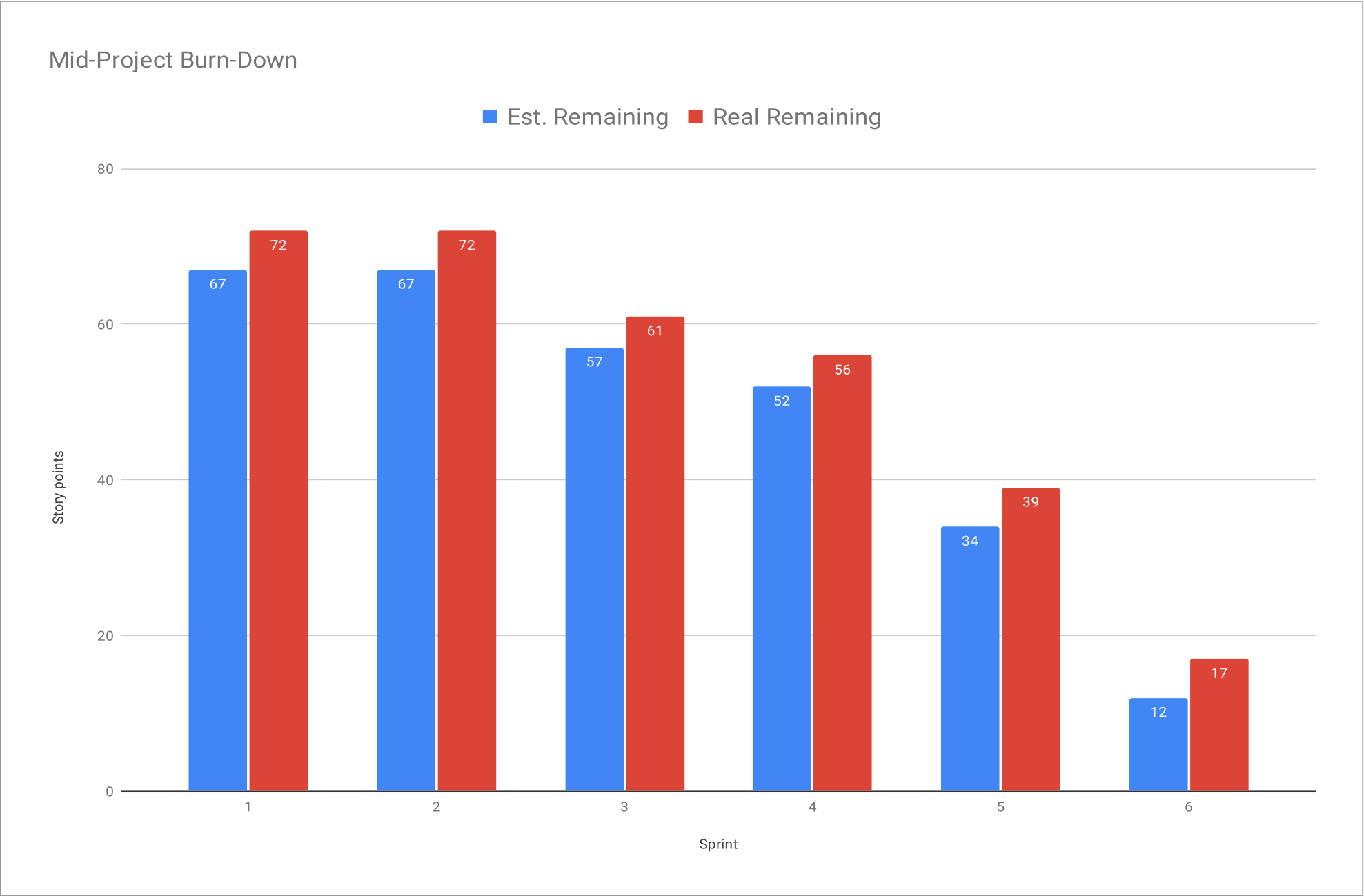
	Corinna Wüllner
	Klaus
	Martin
	Houssaen

Product Vision	Project Mission
<p>GRAUDATA has a product called Metadata-Hub. This is a tool that can index huge amounts of unordered data and thus enables its users to search and analyse this data. Simply put - it's a data mining tool.</p> <p>The Metadata-Hub comes with a dashboard that already has a search function. However, its capabilities are fairly limited and searching is only one function in this dashboard that is more of an admin console than a tool for regular users to interact with.</p> <p>GRAUDATA's customers want a sleek yet powerful, scalable and easy to use search and statistics tool.</p> <p>The OpenSearch Metadata-Hub provides exactly this. It is a fully self-contained tool that can import data from a Metadata-Hub core into an OpenSearch node. It comes with a sleek webinterface that enables the user to easily build complex search queries for OpenSearch and it shows statistics about the data, while not being overloaded with functionality unrelated to searching and statistics. This webinterface is usable by everyone that knows how to use a search engine.</p>	<p>The mission of the project is to setup the basic structure for the product and implement the core functionalities.</p> <p>These are:</p> <ul style="list-style-type: none"> - run an OpenSearch node - run an OpenSearch-Dashboards container that connects to the OpenSearch node - automatically import data from a Metadata-Hub core into the OS node - provide a website with a search bar and elements to create more complex search queries (e.g. boxes to add extra filters to the search) - show statistics and graphs generated by the OpenSearch dashboard on the website that is intended for the user - wrap everything into docker containers and create a docker-compose file or bash script so users can start the whole system with one command <p>Every customer has his own individual needs, especially when it comes to the statistics functionality. Thus, the whole product needs to be easily adaptable by the customer. We provide more of a template with some examples of what could be done and how, than a production-ready product.</p> <p>Good documentation, not only on how to use the product but especially on what could be changed, how and where, is therefore mandatory!</p>

Term	Definition
MdH	GRAUDATA's Metadata-Hub. A data mining tool.
OS	OpenSearch. A powerful and scalable tool to build search and analytics engines.

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release	Mid-term						
	Total			67	67	72	72
Sprints							
1	Get to know the team			0	67	0	72
2	OpenSearch and GRAUDATA MdH			10	67	11	72
3	Architecture and Project Setup			5	57	5	61
4	Frontend and Docker			18	52	17	56
5	Simple Search and a nice website			22	34	22	39
6	Advanced Search and Documentation			12	12	17	17
Features							
1	Get to know the team						
		Get to know the team members and try to guess what the project will be about, even though we didn't have a meeting with our industry partner so far. Refresh your python skills.					
2	OpenSearch and GRAUDATA MdH						
		Get as much information as possible about the technologies we need to work with.					
			Research: GRAUDATA Meta Data Hub	3		3	
			Research: Docker	2		3	
			Research: CI/CD pipeline	2		2	
			Research: OpenSearch and Apache Lucene	3		3	
3	Architecture and Project Setup						
		Design an architecture for the software and set up the basics.					
			Setup OpenSearch	3		0	
			Setup OpenSearch Dashboard	2		5	
4	Frontend and Docker						
		Create a website so users can interact with our system. Implement search functionality on this website. Put everything into docker containers for an easy setup.					
			Simple website	2		2	
			Research Dashboard Statistics	3		3	
			Simple Search	5		5	
			Python script for automated import of data from an MdH Core	5		5	
			Create an MdH-OpenSearch docker container	3		2	
5	Simple Search and a nice website						

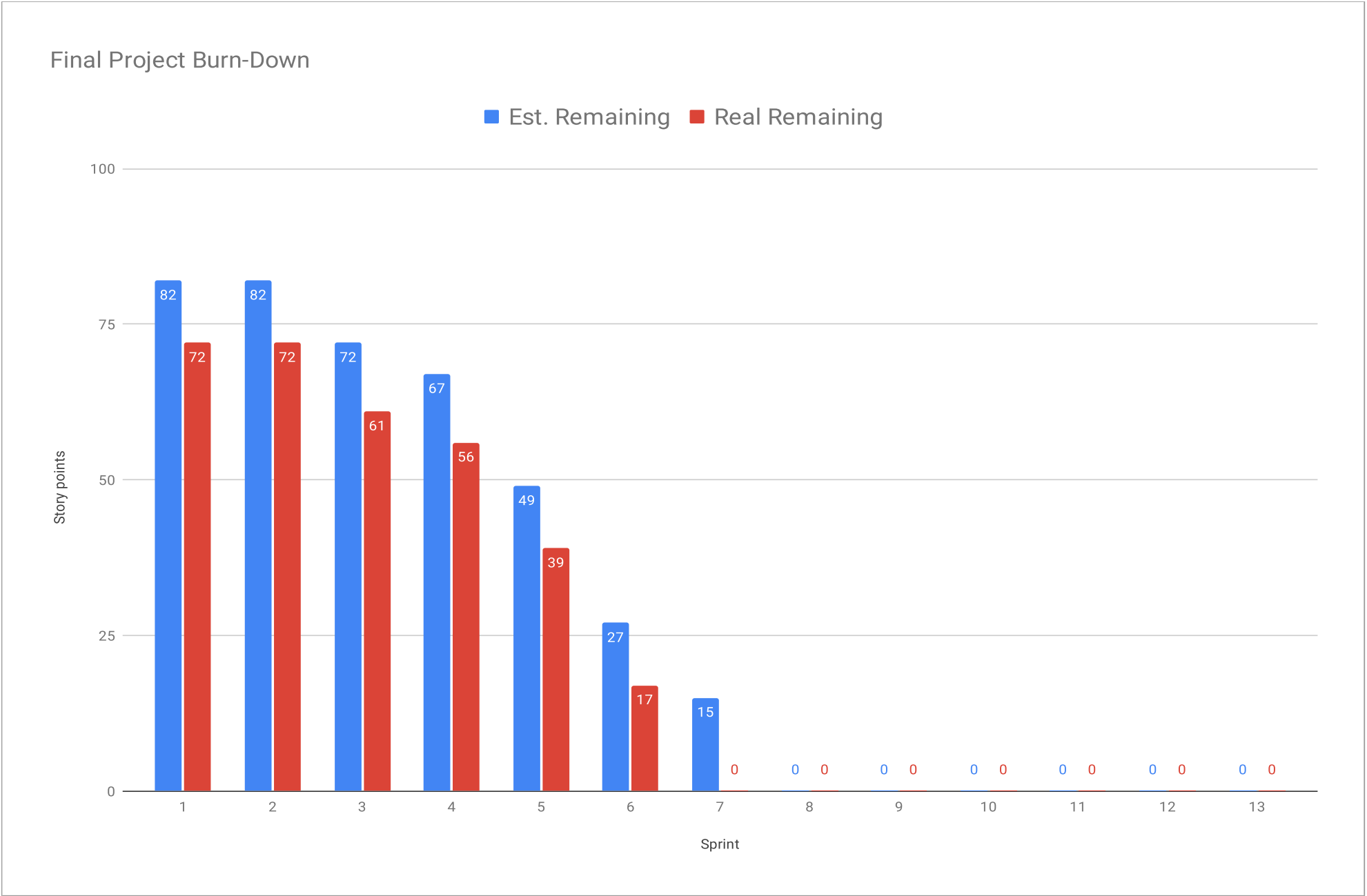
Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
		Use the power of a webframework so we don't have to do everything ourselves. Improve the backend.					
			Setup backend for the website	3		3	
			Efficient data transportation	5		5	
			Documentation	3		1	
			Statistics: Filetypes	3		5	
			Migrate the website to a webframework	2		3	
			Data types	3		3	
			Build process video	3		2	
6	Advanced Search and Documentation						
		Write user/build/deploy documentation Implement an advanced search that allows to create custom filters that can be combined freely.					
			Design and build/deploy Documentation	3		3	
			Setting up a CI/CD pipeline for automated testing	3		3	
			Advanced Search Frontend	3		3	
			Advanced Search Backend	3		8	



Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release	Final-term						
	Total			82	82	72	72
Sprints							
1	Get to know the team			0	82	0	72
2	OpenSearch and GRAUDATA MdH			10	82	11	72
3	Architecture and Project Setup			5	72	5	61
4	Frontend and Docker			18	67	17	56
5	Simple Search and a nice website			22	49	22	39
6	Advanced Search and Documentation			12	27	17	17
7	Refactoring			15	15	0	0
8				0	0	0	0
9				0	0	0	0
10				0	0	0	0
11				0	0	0	0
12				0	0	0	0
13				0	0	0	0
Features							
1	Get to know the team	Get to know the team members and try to guess what the project will be about, even though we didn't have a meeting with our industry partner so far. Refresh your python skills.					
2	OpenSearch and GRAUDATA MdH	Get as much information as possible about the technologies we need to work with.					
			Research: GRAUDATA Meta Data Hub	3		3	
			Research: Docker	2		3	
			Research: CI/CD pipeline	2		2	
			Research: OpenSearch and Apache Luce	3		3	
3	Architecture and Project Setup	Design an architecture for the software and set up the basics.					
			Setup OpenSearch	3		0	
			Setup OpenSearch Dashboard	2		5	
4	Frontend and Docker	Create a website so users can interact with our system. Implement search functionality on this website. Put everything into docker containers for an easy setup.					

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Simple website	2		2	
			Research Dashboard Statistics	3		3	
			Simple Search	5		5	
			Python script for automated import of data from an MdH Core	5		5	
			Create an MdH-OpenSearch docker container	3		2	
5	Simple Search and a nice website						
		Use the power of a webframework so we don't have to do everything ourselves. Improve the backend.					
			Setup backend for the website	3		3	
			Efficient data transportation	5		5	
			Documentation	3		1	
			Statistics: Filetypes	3		5	
			Migrate the website to a webframework	2		3	
			Data types	3		3	
			Build process video	3		2	
6	Advanced Search and Documentation						
		Write user/build/deploy documentation Implement an advanced search that allows to create custom filters that can be combined freely.					
			Design and build/deploy Documentation	3		3	
			Setting up a CI/CD pipeline for automated testing	3		3	
			Advanced Search Frontend	3		3	
			Advanced Search Backend	3		8	
7	Refactoring						
		Clean up the code and remove/reduce technical debt so we can start into the second phase with a clean and easy to work with code base. Tweaks to the UI					
			Show more info about search results	2			
			Refactor backend	5			
			Refactor frontend	3			
			Include statistics created by the OpenSearch Dashboard on your own site	3			
			Show more info about search results	2			
8							
9							
10							

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
11							
12							
13							



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Type	Link / reference

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Last Name	First Name	Value		#DIV/	#DIV/		
Rotsching	Lukas			0!	0!		
Al-Sheikh	Tawfeek						
Wüllner	Corinna						
Ninach	Omar						
Miltner	Jan			0	No size		
Elliger	Max Ole			1	Trivial size		
Klaus	Leon			2	Small size		
Meyer ter Vehn	Martin			3	Medium size		
Houssaen	Amir			5	Large size		
				8	Very large size		
				13	Too large (size)		