

Project Name	Carbon Footprint Visualization
Production system (if any)	...
Test system (if any)	...
GitHub repository	<a href="https://github.com/amosproj/amos-ss2021-carbon-footprint">https://github.com/amosproj/amos-ss2021-carbon-footprint</a>
GitHub kanban board (project)	<a href="https://github.com/amosproj/amos-ss2021-carbon-footprint/projects/1">https://github.com/amosproj/amos-ss2021-carbon-footprint/projects/1</a>
Team T-shirt (black)	<a href="https://www.shirtinator.de/loadBasket/gawEFWZioZC">https://www.shirtinator.de/loadBasket/gawEFWZioZC</a>
Zoom-Meeting	<a href="https://fau.zoom.us/j/64835513630">https://fau.zoom.us/j/64835513630</a>

Last Name	First Name	GitHub User Name	Email Address
Anand	Mani	manifau	mani.anand@fau.de
Dürsch	Martin	MartinDuersch	martin.duersch@fau.de
Gandomkar	Parham	gandompm	parham.gandomkar@fau.de
Oelhaf	Julian	ScoutAtlas	julian.oelhaf@fau.de
Olyae	Ehsan	Olyae	ehsan.olyae@fau.de
Scheiderer	Michael	MichaelScheiderer	michael.scheiderer@fau.de
Toroslu	Irem	IremToroslu	irem.toroslu@fau.de
Varanasi	Sai Varun	SaiVarunVaranasi	varun.sai.varanasi@fau.de
Wagner	Martin	Waldleufer	martin.wagner@fau.de

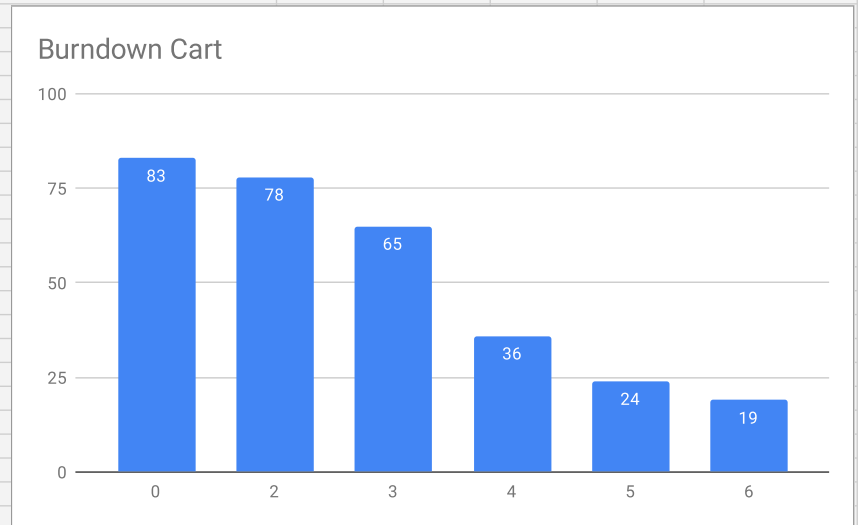
<b>Goals</b>	Experience Agile/Scrum
	Achieve our defined project mission
	Develop software that is able to visualize the carbon footprint of some machinery / production environments (scenario) under different circumstances (calculations)
	Design a valuable product with functions that the user really uses
<b>Meeting norms</b>	Inform the others if you can't attend
	Everyone shows up on-time
	We do not interrupt each other
	Attend all of the meetings
<b>Working norms</b>	Everyone contributes regularly
	We value quality over quantity
	Lines of comments (well documented) > Lines of Code
	Recommendation: Visual Studio Code
	Testing/Verification (Unit Testing)
<b>Coordination norms</b>	Scrum tools
	People choose what they want to work on, unwanted work gets split up over all team members equally. (managed by Scrum Master)
	Put everything non code related to the google drive folder
	Every job has a responsible person
<b>Communication norms</b>	Email for important things
	GitHub for Code related things
	Slack for organizational and product related discussions
	Protocol of the Meeting (in google drive, like a summary) - writing meeting minutes - documenting decisions
	We check Email at least once a workday
<b>Consideration norms</b>	All important decisions made in the team meeting
	Possibility of a emergency meeting with at least 1 PO, 2 SD
	We discuss disagreement openly
	We vote for a final resolution
<b>Cont. improvement norms</b>	Using the kanban system to track the teams progress
	Using the continuous demo releases to track the improvement of our system
<b>Rewards</b>	To celebrate the achievement of a goal we will meet for a beer (or maybe a cocktail) if possible in person otherwise online
<b>Sanctions</b>	You must raise clear violations of the team contract
	We apologize by writing a 4 line poem about how one will improve themselves (and the meaning of life) and share it with the team!

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Scrum Master	Release Manager
1	2021-04-14		Yes	Olyae, Scheiderer	Everyone else	(Varanasi)	(Anand)
2	2021-04-21		Yes	Olyae, Scheiderer	Everyone else	Varanasi	Dürsch
3	2021-04-28			Olyae	Everyone else	Scheiderer	Gandomkar
4	2021-05-05		Yes	Olyae	Everyone else	Scheiderer	Oelhaf
5	2021-05-12			Scheiderer	Everyone else	Olyae	Toroslu
6	2021-05-19		Yes	Scheiderer	Everyone else	Olyae	Varanasi
7	2021-05-26	Mid-term due	Yes	Olyae, Scheiderer	Everyone else	Wagner	Wagner
8	2021-06-02			Olyae, Scheiderer	Everyone else	Wagner	Anand
9	2021-06-09			Olyae, Scheiderer	Everyone else	Anand	Dürsch
10	2021-06-16		Yes	Olyae, Scheiderer	Everyone else	Anand	Gandomkar
11	2021-06-23			Olyae, Scheiderer	Everyone else	Gandomkar	Oelhaf
12	2021-06-30			Olyae, Scheiderer	Everyone else	Gandomkar	Toroslu
13	2021-07-07		Yes	Olyae, Scheiderer	Everyone else	Toroslu	Varanasi
14	2021-07-14	Demo day!		Olyae, Scheiderer	Everyone else	Toroslu	Wagner
15	2021-07-21	Retrospective		Olyae, Scheiderer	Everyone else	N/A	N/A
						(Assignments refer to start date / start sprint)	

Product Vision	Project Mission
<p>The vision of this project is to create a (web) application to visualize, compare and analyze the impacts such as global warming, ozone layer depletion, acidification, etc that come from the production, use, and end-of-life of a product or service. We aim to set the highest standards for environmental protection in the industry and urge business partners to share this ambition and cooperate with both customers and suppliers to strive for continual improvement. We calculate the carbon footprint and help our customers to understand the impacts and risks associated with it and offer alternatives.</p> <p>To present those numbers effectively, they need to be visualized. This is where the "Carbon Footprint Visualization" comes in. Salesman can use the visualization to directly show the customers the impact a product has on the environment and how the impact could be reduced with another version. For example, we could possibly convince customers to invest in something that reduces CO2 emissions, which maybe is more expensive now but will payout in the long run by slowing down global warming.</p>	<p>We pursue ambitious goals with regard to resource efficiency and environmental protection, and hence create long-term value by treating people and the environment in a responsible manner. The main objective of our environmental work is to prevent pollution and continually reduce the environmental impact of our activities in order to protect the environment for future generations.</p> <p>To meet these objectives, we will maintain and further develop a culture in which reducing the environmental impact over each product's life cycle is an integral part of our daily work practices.</p>

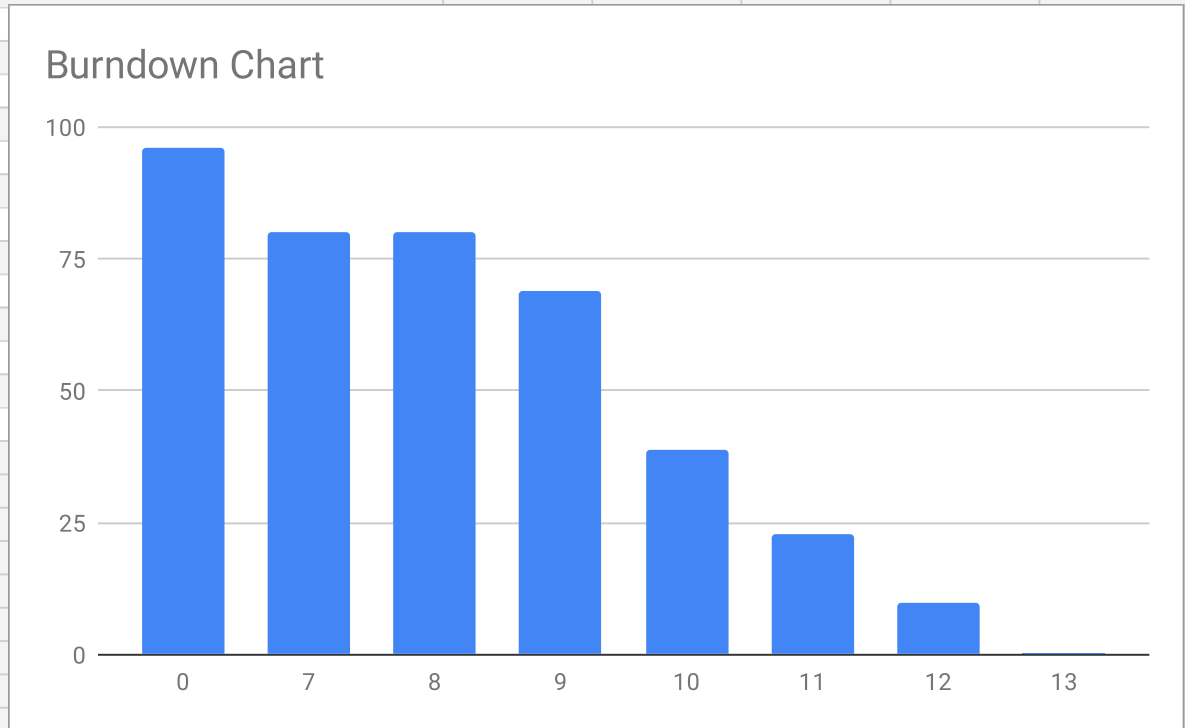
[illegible]

[illegible]





[illegible]

[illegible]

[illegible]

Type	Link / reference
Software Build and Deployment Document	<a href="https://github.com/amosproj/amos-ss2021-carbon-footprint/blob/main/README.md">https://github.com/amosproj/amos-ss2021-carbon-footprint/blob/main/README.md</a>
User Documentation	<a href="https://github.com/amosproj/amos-ss2021-carbon-footprint/wiki/User-Documentation">https://github.com/amosproj/amos-ss2021-carbon-footprint/wiki/User-Documentation</a>
Technical Documentation	<a href="https://github.com/amosproj/amos-ss2021-carbon-footprint/wiki/Technical-Documentation">https://github.com/amosproj/amos-ss2021-carbon-footprint/wiki/Technical-Documentation</a>

Sprint	Status	Source	Impediment	Resolution
4	Resolved	Industry Partner	Connection/motivation from the industry partner with SDs missing	Industry Partners join next team meeting (05-12)
4	Resolved	Industry Partner	Unclear requirements from the industry partners (technologies)	Weekly meetings with their SDs from India
5	Resolved	Team	Too many SDs assigned for the same tasks	Improve communication (One person responsible for issue, you need to communicate with this person if you want to work on the issue)
5	Resolved	SDs	Commits are too large	Split large commits in few smaller commits
5	Resolved	SDs	Libraries not been added to BOM and in the Readme file	Add to team contract
6	Resolved	SDs	No enough mutual understanding of each other's code	-At least one person have to review the code -Assign two people to each issue for pair programming -Rotate partners
7	Resolved	Industry Partner	Dev team from the industry partner showing up late or not at all to negotiated meetings.	We try to put our industry partner in cc, whenever contacting the Dev team, and try to do more communication via email.
7	In-work	Team	Mysterious Martins (Not everyone showed up to the meetings with image data)	Pictures will be provided after receipt of the Team T-Shirts.
7	Resolved	SDs / Source Code	There is a lot of noise in the commits, as still some frontend files are not yet prettified.	Prettier has been applied to all frontend code files. Team members that did not use prettier yet has been offered a helping hand in setup.
7	Resolved	SDs	A lot of work went into the backend, and we now found out that it might be replaced in the end.	This situation will not directly affect grading, as agile Methods are being graded. So the team should just focus on frontend tasks at hand.
8	In-work	Team	"Lets meet for a beer or something in July"	A doodle for this meeting will be created at some point in June.
9	Resolved	SDs	Discussion about feature and branching in the beginning of the sprint	Have a short SD meeting after sprint meeting, same day
9	Resolved	SDs	To make sure if CI pipeline is working for all the commits	Not ignore CI pipeline warnings while committing
9	In-work	SDs	Not enough knowledge about backened working functionality	Have a meeting with the backened developers, pair programming if needed to understand better

#	Context	Name	Version	License	Comment
1	Frontend Framework	React.js	16.13.1	MIT	
2	Frontend Framework	react-admin-dashboard	2.0.0	MIT	<a href="https://github.com/llorentegerman/react-admin-dashboard/tree/v2-0-0">https://github.com/llorentegerman/react-admin-dashboard/tree/v2-0-0</a>
3	Frontend Framework	react-hook-form	7.5.2	MIT	<a href="https://www.npmjs.com/package/react-hook-form">https://www.npmjs.com/package/react-hook-form</a>
4	Frontend Framework	react-jss	10.6.0	MIT	<a href="https://www.npmjs.com/package/react-jss">https://www.npmjs.com/package/react-jss</a>
5	Frontend Framework	react-router-dom	5.2.0	MIT	<a href="https://www.npmjs.com/package/react-router-dom">https://www.npmjs.com/package/react-router-dom</a>
6	Frontend Framework	simple-flexbox	2.3.2	MIT	<a href="https://www.npmjs.com/package/simple-flexbox">https://www.npmjs.com/package/simple-flexbox</a>
7	Frontend Framework	react-grid-system	7.1.2	MIT	<a href="https://www.npmjs.com/package/react-grid-system">https://www.npmjs.com/package/react-grid-system</a>
8	Frontend Framework	react-apexcharts	1.3.9	MIT	<a href="https://www.npmjs.com/package/react-apexcharts">https://www.npmjs.com/package/react-apexcharts</a>
9	Backend: Framework	.NET 5	5.0.0	MIT	
10	Backend: Package	AspNetCore.Proxy	4.2.0	MIT	<a href="https://www.nuget.org/packages/AspNetCore.Proxy/">https://www.nuget.org/packages/AspNetCore.Proxy/</a>
11	Backend: Package	Newtonsoft.Json	13.0.1	MIT	<a href="https://www.nuget.org/packages/Newtonsoft.Json/">https://www.nuget.org/packages/Newtonsoft.Json/</a>
12	Frontend Framework	w3.css	4.15.0	MIT	<a href="https://www.w3schools.com/w3css/">https://www.w3schools.com/w3css/</a>
13	Static Code analysis	CodeQL		MIT	Github tool
14	PDF Generator	jsPDF	2.3.1	MIT	<a href="https://www.npmjs.com/package/jspdf">https://www.npmjs.com/package/jspdf</a>
15	Frontend-Backend Connection	axios	0.21.1	MIT	<a href="https://www.npmjs.com/package/axios">https://www.npmjs.com/package/axios</a>
16	Frontend Framework	Material-UI	4.11.4	MIT	<a href="https://www.npmjs.com/package/@material-ui/core">https://www.npmjs.com/package/@material-ui/core</a>
17	Frontend Testing	Enzyme	3.11.0	MIT	<a href="https://enzyme- npm (npmjs.com)">enzyme - npm (npmjs.com)</a>
18	Frontend Testing	Jest	26.6.0	MIT	
19	Frontend Testing	identity-obj-proxy	3.0.0	MIT	

[illegible]