Meetings:

15/03 - 17:55 - 19:00 (No Advisor):
- Spokesman choice took place
- Advisor meetings set to Wednesdays at 4 PM
- Pedro Casimiro was tasked with being the designer for the expositive web page
- Template for expositive web page was chosen (https://html5up.net/txt)
- Project GitHub para was set up for issue creation automation and inclusion of issues in project page

17/03 - 16:00 - 16:40 (With Advisor Mário Antunes):
- Introduction to project theme
- Debate over contents of 21/03 week presentation
- Considerations regarding Database systems
  - Such as the requirement of good compression
- Considerations regarding inputs provided to system
- Considerations regarding possible Frontend choices

17/03 - 17:00 - 18:30 (No Advisor):
- Keras+TensorFlow chosen as main ML framework
- Attribution of tasks for project presentation(22/03)
- Analysis of conclusions from previous meeting
- Database system related debate
- Exchange of Notes

19/03 - 15:00 - 16:00 (No Advisor):
- Choice of language used in the project changed to English
- Review of calendar/task correction given by advisor
  - Using agile methods for the construction phase ("2 week" iterations)
  - Added "investigation and documentation" module

22/03 - 10:30 - 11:15 (No Advisor):
- Presentation planning

22/03 - 16:30 - 17:35 (No Advisor):
- Figured out what we'll have to decide in this phase:
  - Database
  - Architecture
  - Use cases and scenarios
  - NN deployment testing
  - Functional and non-functional requirements
  - Each aggregator processes data or sends to middleware to do that
  - Testing interaction between architecture/software parts
  - If we have user accounts or unique codes per deployment
- Architecture discussion
- Started making use cases
- Started making functional and non-functional requirements

- TimeScale is the favoured database
- Django vs Django+React for frontend

24/03 - 16:00 - 16:20 (With Advisor Mário Antunes):
- Architecture Discussion
- IT account creation discussion
- Required document discussion

26/03 - 15:15 - 15:40 (No Advisor):
- Discussed component choices
- Sort tasks

31/03 - 16:30 - 16:50 (With Advisor Mário Antunes):
- Review of previously created documentation + suggestions

05/04 - 15:00 - 15:35 (No Advisor):
- What's left to do in this iteration:
  - Scenarios
  - Actors
  - Use case diagrams (http://agilemodeling.com/artifacts/useCaseDiagram.htm)
  - Mockups/prototypes (Balsamiq/Proto.io)
  - Component diagram
  - Domain model diagram (http://agiledata.org/essays/agileDataModeling.html#InitialDomainModel)
  - Deployment diagram (http://www.agilemodeling.com/artifacts/deploymentDiagram.htm)
  - State of the art
  - Presentation slides
  - Finish choice explanation tables

08/04 - 10:05 - 10:30 (With Advisor Mário Antunes):
- Review of previously created documentation + suggestions

09/04 - 15:05 - 15:40 (No Advisor):
- Clarification of work and analysis of work progress

11/04 - 15:05 - 15:40 (No Advisor):
- Presentation planning

11/04 - 16:05 - 16:30 (With Advisor Mário Antunes):
- Construction Fase Discussion
- Clarification of doubts related to dataset formats,formats planned:.csv, .tfrecords, .json, .npy, .petastorm

24/04 - 15:30 - 16:00 (No Advisor):
- Analysis of work progress

30/04 - 09:00 - 09:10 (With Advisor Mário Antunes):

- Nothing

30/04 - 15:00 - 15:30 (No Advisor):
- Re-clarification of doubts related to dataset formats
- Analysis of work progress and future work

05/05 - 16:05 - 16:20 (With Advisor Mário Antunes):
- Progress check up

07/05 - 22:15 - 23:30 (No Advisor):
- Progress check up
- Discussion of further work

14/05 - 15:00 - 15:30 (No Advisor):
- Progress check up
- Discussion of further work

15/05 - 15:30 - 16:30 (No Advisor):
- Progress check up
- Discussion of further work

16/05 - 16:00 - 18:30 (No Advisor):
- Discussion and doing of work left for M3

16/05 - 22:00 - 02:10 (No Advisor):
- Discussion and doing of work left for M3

17/05 - 09:00 - 09:30 (With Advisor Mário Antunes):
- Showing and evaluating demo

16/05 - 09:30 - 11:45 (No Advisor):
- Last changes and fixes for M3 presentation

19/05 - 16:00 - 17:00 (With Advisor Mário Antunes):
- Discussing work for M4,including K-Cross Validation and Grafana integration

24/05 - 17:00 - 17:25 (With Advisor Mário Antunes):
- Discussed Grafana integration

28/05 - 15:00 - 20:30 (No Advisor):
- Progress check up
- Discussion of further work
- Working on the project

04/06 - 15:00 - 21:00 (No Advisor):
- Progress check up
- Discussion of further work
- Working on the project

09/06 - 16:00 - 16:20 (With Advisor Mário Antunes):
- Progress check up
- Discussion of further work

16/06 - 16:00 - 16:20 (With Advisor Mário Antunes):
- Progress check up
- Discussion of further work

23/06 - 16:05 - 16:30 (With Advisor Mário Antunes):
- Discussion regarding documentation and videos

Personal Work (What everyone did and when):

Pedro Silva:
15/03 - 18:00 - 19:30 (Pedro Silva):
- Creation of required service accounts (Google + Github)
- Issue and Pull Request Pipeline automation on the Github page

17/03 - 19:00 - 19:30 (Pedro Silva):
- Drafted an initial possible system architecture

19/03/2021 (16:40 – 17:15):
- Research about neural net framework to use and way's it can receive/export a neural net model

20/03/2021 (13:40 – 14:00):
- Some corrections to the Presentation

20/03/2021 (14:30 – 15:00):
> Corrections to system architecture graph

22/03/2021 (17:00 – 17:35):
> Worked on defining functional and non-functional requirements with rest of group
> Worked on use cases with rest of group

22/03/2021 (19:30-20:10):
- Researched Timescale, it's deployment and integration with Grafana
- Tried deploying Timescale and experiment a bit with it

23/03/2021 (18:00-20:30):
- Initial Draw of each modules architecture, and correction of each after consulting team
- Research on Tensorflow + Keras and how callbacks and parameter gathering can be done, initial demo for this done

28/03/2021 (14:00-16:30):
- Final architecture diagram for milestone 2 complete
- Started making more detailed descriptions of use cases

29/03/2021 (15:00-16:00):
- More descriptions for use cases + corrections of previous ones

06/04/2021 (16:00-17:30):
- First draft of use case diagram of system
- Added two more use cases related with Admin user
- Added some REST endpoints related to user accounts to server

07/04/2021 (16:00-16:10):
- Corrected User-Case Diagram after consulting group

08/04/2021 (11:00-12:30):
- Started analysis of various research works related to project theme

08/04/2021 (14:00-15:30):
- Continued doing analysis of various other research works related to project theme
- Created Issues

10/04/2021 (14:00-18:30):
- Started work on simulation component, set up a model and datasets to use for format .npz

15/04/2021 (16:00-17:30):
- Continued work on simulation component
- Created Issues

22/04/2021 (15:00-17:30):
- Initial draft of simulation component

24/04/2021 (14:00-22:30):
- Data gathering in simulation component
- Parser component configured to work with Flask and Celery
- Created Issues

02/05/2021 (16:50-17:00):
- Changed requirements needed for simulation component

03/05/2021 (23:00-02:30):
- Added more data gathering in simulation component and setup request to send data to parser

06/05/2021 (16:00-18:30):

- Initial setup of deployer component

06/05/2021 (21:00-23:50):
- Adding and testing of deployer functionality to order commands unto a instantiated simulation
- Experiments with docker SDK for python
- Created Issues

07/05/2021 (05:00-05:30):
- Setting up docker related files to make communication between components work

07/05/2021 (17:00-23:30):
- Integration between simulation component and deployer component, can now launch a simulation and changes it's status, all tested between these two

13/05/2021 (11:00-18:20):
- Changes done to simulation requirements due to errors
- Added ability to send dataset files from deployer to instantiated simulation, tested between components

14/05/2021 (22:00-23:00):
- Corrected a typo

15/05/2021 and 16/05/2021(17:00-05:00):
- Small corrections in deployer
- Simulation component can now read files to get datasets,model and configuration parameters
- Simulation component code to choose optimizer function and loss function from parameters given

16/05/2021 (16:00-23:00):
- Small correction to deployer
- Experiments with docker networking using python Docker SDK
- Integration of simulation instantiated component with parser component
- Error handling added to deployer when changing simulation status

17/05/2021 (08:30-11:30):
- Added support in simulation component to have different learning rates during training provided by configuration parameters

21/05/2021 (15:30-22:00):
- Support in simulation component to auto-delete
- Restructuring of both deployer and simulation components to accomodate for K-Fold Cross Validation and multiple instantiation of simulation from parameter list

23/05/2021 (15:30-16:30):
- Added code to support K-Fold Cross Validation in deployer component
- Review Pull Requests

26/05/2021 (15:00-18:30):
- Solved a bunch of new bugs in deployer and finished adding code related to K-Fold Cross Validation
- Created Issues

28/05/2021 (16:00-19:00):
- After a lot of testing it was decided that the deployer component being so "heavy" wasn't optimal and another strategy to do K-Fold Cross Validation

was adopted, refactoring was done to accommodate these changes in deployer and simulation.
- Lot's of testing and researching related to docker in order to minimize dependencies needed in deployer and simulation
- Deployer component now cleans dataset files after instantiating a simulation
- Support for different metrics was added to simulation component

29/05/2021 (19:00-23:30):
- Solved some bugs related to metrics in simulation component
- Added support for json file format for datasets in simulation component
- Created Issues

31/05/2021 and 01/06/2021 (20:00-02:00):
- Error handling added to simulation component along some refactoring needed, it tries to send an error message to parser before shutting down

01/06/2021 (00:00-00:30):
- Review Pull Requests

02/06/2021 (10:00-13:30):
- Finished adding support for json file format in simulation component and tested it

03/06/2021 (22:00-22:30):
- Solved bug related to K-Fold in simulation component

04/06/2021 (16:00-20:00):
- Refactored csv file format and corrected some bugs and tested it
- Added support for pandas Dataframe file formats (uncompressed (.pickle) and compressed (.zip)).
- Review Pull Requests

06/06/2021 (17:00-22:00):
- Added support for ARFF files in simulation component

08/06/2021 and 09/06/2021 (17:00-01:30):
- Added support for a statistics endpoint to provide info about resource usage
- Review Pull Requests

11/06/2021 (17:00-17:30):
- Resolved a bug in simulation component

15/06/2021 (16:00-18:00):
- Resolves some bugs related to JSON file format in simulation
- Added ENV parameters to deployer component and simulation component

20/06/2021 (21:00-23:50):
- Cleaned up simulation component and deployer component
- Updated README in simulation component and deployer component

21/06/2021 (00:00-01:00):
- Made some changes to README in simulation component and deployer component

23/06/2021 (16:30-17:00):
- Took out some debug prints in deployer that had been left out

23/06/2021 (15:00-20:00):
- Worked on final report (mostly Implementation section for Deployer and Simulation)

24/06/2021 (16:30-20:00):

- Worked on final report

25/06/2021 (15:30-16:40):
- Oversaw last corrections on final report

João Soares:

16-03-2021 (21:35):
- Sent email indicating spokesperson

17-03-2021 e 18-03-2021 (23:05-01:05):
- Worked on project presentation (unfinished at this point)
- Completed Log for the 17/03 17:00-18:30 reunion
- Analyzed Calendar first draft.
- Created Project Drive folders for organization purposes and for future Communication Plans

18-03-2021 (13:50 - 14:15):
- Sugestões e correções ao First Draft do Calendário.

19-03-2021 (14:00 - 15:05):
- Finishing project presentation
- Moved relevant docs to Drive folder for ease of access

19-03-2021 (20:30 - 23:30):
- Finalize Slides Presentation 1 (March 22)
- Project Calendar Timeline (Complete)
- Tasks numbering per module.
- Management of the assignment of modules and tasks
- Update doc Tasks and modules in the Main Document
- Presentation Guide 1 transferred to Project Drive.
- Presentation and Guide sent to supervisor for Review.

20/03/2021 (12:30 – 13:20):
- Some corrections to the Presentation

20/03/2021 (15:50 – 17:30):
- Final corrections to the Presentation

25/03/2021 and 26/03/2021 (23:45 – 00:40):
- Creating Missing Comparison Tables
- Backend and Virtualization Frameworks Research
- Insert some data in the new Tables
- Creating a document with Useful Links
- Organization of Documents present in the Drive

5/04/2021(12:00 – 12:38):
- Review of the latest works for informal presentation.

7/04/2021(11:30 – 12:40):
- One Persona Made.
- Sketch of a Second Persona and scenarios analysis.

7/04/2021(14:15 – 15:00):
- Second Persona Made.
- Sketch of the two main scenarios.

7/04/2021 and 8/04/2021 (23:10 – 01:15):
- Update of course documents.
- Preparation of the meeting with the advisor
- Presentation 2 (April 12) Skeleton Done

9/04/2021 (15:45-17:30, 18:10-19:55, 21:20-00:05):
- Two main scenarios Done.
- Presentation 2 (April 12) Update
- Corrections in the Comparison sheets
- Update Log Meetings

10/04/2021 (15:10-16:00, 16:50-17:10, 17:30-18:50, 23:00-23:45):
- Presentation 2 (April 12) Update and Fix

11/04/2021(14:00 – 14:20, 16:20-17:35):
- Presentation 2 (April 12) Update and Fix
- Guide for my part of the presentations

16/04/2021(14:10 – 14:20, 21:20 – 00:00):
- Update Log Meetings
- Configure REST endpoint that receives a JSON configuration file for create a simulation -> File Upload by Django Setup

17/04/2021 (22:05-23:25):
- Update Rest API Specifications Doc
- REST-endpoints-related-to-NNManager-and-Json-Configuration-File ->Pull Request

1/05/2021 (15:05-16:25):
- Update Rest API Code (+Dataset Input and path of files)
- Server Update->Pull Request

4/05/2021 (15:05-15:25):
- Presentation 3 Slides Start

5/05/2021 (00:00-01:05):
- Presentation 3 Slides Update

9/05/2021 (11:25-12:40):
- Presentation 3 Slides Update and Improvements

10/05/2021 (16:45-18:45, 21:00-23:25):
- Bootstrap static imports and Server Bug fix
- Visual Design improvements (SideBar)
- Fix Static Imports and Folder

- Fix links to Login Sign Up

11/05/2021 (21:00-22:00):
- Review Pull Requests

13/05/2021 (21:00-22:00):
- Review Pull Requests

15/05/2021 (20:00-23:30):
- Templating Simulation List
- Review Pull Requests

16/05/2021 e 17/05/2021 (14:30-18:05, 22:00-01:45):
- Fix Progress Bar from Simulations
- Review Pull Requests
- Prepare Presentation 3 Guide
- Improve Application
- Test Application Demo

17/05/2021 (9:00-11:00):
- Prepare Presentation 3 Guide
- Improve Application
- Test Application Demo

21/05/2021 (15:15-18:05):
- Create Issues
- Project Website Improvements

22/05/2021 (6:25-7:45):
- Create Issues
- Project Website Improvements
- Organize Drive and add .pdf of Presentations

26/05/2021 and 27/05/2021(23:40-2:07):
- Adding Admin/Staff Frontend and Functions
- Update Staff Endpoints

27/04/2021 (21:20-00:00):
- Improvement Admin/Staff Frontend and Functions

28/05/2021(13:00-18:00, 21:30-23:30):
- Improvement Admin/Staff Frontend and Functions
- Add Small error message login

30/05/2021(18:30-21:00):

- LaTeX Documentation analysis
- Technical report work

01/06/2021(21:40-00:00):
- Technical report Abstract and Title Page

02/06/2021(16:00-18:15):
- Add Delete Tag Implemented

03/06/2021(22:45-01:00):
- Bug Fix Investigation
- Download Sim Data Layout

04/06/2021(15:15-17:45, 20:30-21:50):
- Download Data: Make download of zip.
- Make Download of Zip with multiple files csv.
- Create csv of General Information and Extra Metrics
- Create csv of Weights.

08/06/2021(9:35-12:45):
- · Update Server Readme Star
- · Technical Report: Introduction Start

09/06/2021(14:35-16:00):
- · Technical Report: Introduction Development

10/06/2021(10:45-11:20,):
- · Technical Report: Introduction Development
- · Address some doubts about Presentation M4 with Professor

11/06/2021(10:45-13:00, 15:00-17:00):
- · Technical Report: Introduction Development
- · Fix Conceptual Modelling Section

13/06/2021(17:25-19:50):
- · Technical Report fix Template and Complete Introduction
- · Started State of the art

15/06/2021(14:00-18:00, 20:00-00:00):
- · Presentation 4 slides development
- · Rework in the Report formation done.
- · Conceptual Modelling add content.

18/06/2021(01:00-03:05, 14:00-19:30, 22:00-02:00):
- · State of The Art Technologies DB
- · Record and Edit Demos
- · References fix

19/06/2021 to 25/06/2021 (6h day):
- · Improvements and refactoring to the final report
- · Final fix
- · Readme improvements

Diogo Bento:
17-03-2021 (20:45-22:00):
- ● Began Calendar creation

18-03-2021 (10:30-12:00 and 21:00-22:00):
- ● Further work on Calendar including suggestions.
- ● Contacted Advisor to present Calendar and report decisions.

19-03-2021 (15:20-16:30 and 17:00-17:30 and 19:00-20:15):
- ● Analysis of work done by all team members
- ● Fixed some documentation ownership inconsistencies
- ● Adapted all previous logs to English
- ● Adapted Calendar to English
- ● Made a timeline version of Calendar (unused)

20-03-2021 (12:30-13:15):
- ● Researched graph creation software

24-03-2021(10:30-12:35):
- ● Set up and experimented with TimescaleDB and Grafana

24-03-2021(19:00-20:00):
- ● Created and worked on documentation for validating component choices

25-03-2021(10:00-12:00):
- ● Researched database components to validate component choices

26-03-2021(10:45-11:20):
- ● Continued work on the component choice justification document

30-03-2021(17:45-18:05):
- ● Reviewed Architecture document
- ● Reviewed methods for dynamic database/table creation in django

31-03-2021(11:30-12:10):
- ● Created document for REST API design

01-04-2021(12:00-13:10):
- ● Researched Dockerfiles and docker-compose

01-04-2021(19:00-19:50):
- ● First functional docker-compose usage

07-04-2021(21:00-22:00):
- ● Worked on component comparison tables

08-04-2021(10:50-11:30):
- ● Read research about NN debugging

09-04-2021(10:30-12:00, 14:15-16:15):
- ● Worked on deployment diagram

11-04-2021(20:20-21:15):
- ● Wrote script for own use in M2 presentation

14-04-2021(14:45-15:00):
- Added extra components to component choice doc

18-04-2021(22:00-22:20):
- Attempted to create DockerHub repositories and researched build automation
  - Stopped early due to lack of permissions

21-04-2021(11:30-13:00):
- Created Dockerfiles and docker-compose.yml

25-04-2021->30-04-2021:
- No work done due to hardware breaking down and lack of available replacements

01-05-2021(21:15-23:00):
- Dockerfile tweaking and experiments

03-05-2021(20:00-23:00):
- Model work, research, Django server overhauling

05-05-2021(16:15-19:00, 21:00-24:00):
- Model work, including discussion with advisor Mário Antunes

06-05-2021(19:00-20:00,21:30-01:00):
- Model work

07-05-2021(10:00-13:00):
- Exported model as SQL

10-05-2021(13:00-16:00):
- Debugged django crashes related to bootstrap usage - passed on to Pedro Laranjinha, it was my fault for importing something poorly in Django

12-05-2021(21:30-23:30):
- Worked on connecting deployer to django

13-05-2021(10:30-12:00):
- Parser data on django server

15-05-2021(13:00-24:00):
- Supervision of work, handling questions and Pull Requests and fixing deployment issues

16-05-2021(13:00-24:00):
- Supervision of work, handling questions and Pull Requests and fixing deployment issues

17-05-2021(00:00-02:00,9:30-12:00):
- Participation in collective system development

18-05-2021(15:00-19:00,21:30-23:00):
- Grafana configuration work

19-05-2021(15:00-17:00,21:00-22:15):
- Grafana configuration work

21-05-2021(14:00-19:00):
- Grafana dashboard work with plotly

24-05-2021(14:00-19:00):
- Grafana dashboard work with plotly, related to 3d plotting weights

26-05-2021(21:00-23:00):
- Added support for extra metrics

28-05-2021(11:00-13:00):
- Graphs for extra metrics, documented how to embed it

29-05-2021(10:30-11:30, 21:30-23:15):
- Enabled Grafana anonymous view, attempted to work on graphs but cannot due to being unable to create valid database contents (frontend issue)
- Started work on the technical report

31-05-2021(21:30-23:15):
- Testing and Grafana work

02-06-2021(14:00-18:00):
- Grafana comparison dashboard creation

05-06-2021(14:00-16:00):
- Looked into heatmaps for grafana, no good options found

08-06-2021(22:00-23:15):
- Worked on final report

09-06-2021(12:00-13:00,14:00-15:15):
- Worked on final report

18-06-2021(10:00-13:00):
- Worked on final report

23-06-2021(15:30-20:00):
- Worked on final report

24-06-2021(14:30-21:00):
- Worked on final report

25-06-2021(10:30-15:00):
- Oversaw final report corrections

Pedro Laranjinha:
     15-03-2021 (19:30-20:00):
- Fixed SNX (VPN) on my main computer
- Uploaded template to static website server

     17-03-2021 (19:40-20:40):
- Improved static template to facilitate further customization

     17-03-2021 (17:50-18:30):
- Started reorganizing static webpage

     17-03-2021 (19:10-20:25):
- Continued work on static expositional webpage

     19-03-2021 (18:00-19:20):
- Continued work on static expositional webpage

     19-03-2021 (21:40-00:55):
- +/- finished the functional part of static expositional webpage

     20-03-2021 (15:45-17:10):
- Small improvements to the functional part and start to the addition of the contents of the static expositional webpage

     20-03-2021 (17:30-17:45):
- More work on the static expositional webpage

     20-03-2021 (18:00-20:20):
- More work on the static expositional webpage

     09-03-2021:
- Started mockup

     10-03-2021:
- Work on mockup

     11-03-2021:
- Finished mockup
- Wrote script for my part of the presentation
- Updated static expositional webpage

     30-04-2021 (16:00-17:30):
- Start of frontend templates

     01-05-2021 (17:30-19:45):
- Frontend templates

03-05-2021 (17:40-20:45):
- Frontend templates

03-05-2021 (23:50-00:50):
- Made it so simulations have a color based on the name

05-05-2021 (17:30-18:10):
- Merging basic templates
- Slight cleanup

14-05-2021:
- Merging basic templates
- Slight cleanup

15-05-2021 (15:30-18:45):
- Server simulation creation
- Signup/Login/Logout

15-05-2021 (19:30-21:00):
- Style fixes

15-05-2021 (21:20-22:35):
- Server sim creation fix to json sent to the deployer
- Other small fixes/changes to server

16-05-2021 (23:50-01:10):
- Work on server simulation list+info

16-05-2021 (18:00-20:30):
- Work on server simulation list+info

16-05-2021 (21:00-02:00):
- Work on server simulation list+info

17-05-2021 (10:00-11:15):
- Work on server simulation list+info

22-05-2021 (19:40-21:40):
- Grafana dashboard on frontend

22-05-2021 (22:30-00:10):
- Grafana dashboard on frontend
- Looking into django channels

26-05-2021 (17:30-19:10):
- Start bad frontend update without refresh

26-05-2021 (22:00-03:40):
- Finish bad frontend update without refresh

28-05-2021 (15:20-20:40):
- Update bad frontend update without refresh
- Work on simulation creation (inputs)

28-05-2021 (22:10-01:25):
- Work on simulation creation (inputs)
- Work on grafana iframes
- Work on server-side k-fold

29-05-2021 (19:00-20:45):
- Frontend grafana from/to changes

29-05-2021 (21:10-23:30):
- Frontend grafana from/to changes

02-06-2021 (16:00-17:00):
- Fixes to grafana from/to

02-06-2021 (18:30-20:40):
- Changes to tag looks and models

02-06-2021 (22:40-05:00):
- Changes to tag looks and models
- Changes to overall frontend looks (accommodating mobile)

03-06-2021 (20:10-21:00):
- Started adding comparison grafana graphs to frontend

03-06-2021 (21:40-23:00):
- Adding comparison grafana graphs to frontend

03-06-2021 (23:20-02:10):
- Creation form refactoring

04-06-2021 (02:30-04:30):
- Creation form refactoring/improvement

04-06-2021 (15:30-21:15):
- Creation form improvement

05-06-2021 (22:10-00:15):
- Simulation list search, sort and filtering (frontend JS)

06-06-2021 (02:20-05:00):
- Multi-sims for conf file form
- Custom frontend list input

06-06-2021 (16:00-20:40):
- Multi-sims
- Extra tags on sim creation
- Cosmetic fixes/changes + admin overhaul

06-06-2021 (21:20-00:20):
- Cosmetic fixes/changes + db error handling into notifications

07-06-2021 (01:50-03:40):
- Frontpage + grafana iframe url fix + cosmetic fixes/changes

08-06-2021 (19:10-21:45):
- Changed frontend inputs for the new metric, optimizer and loss_function format/confs

08-06-2021 (23:00-00:45):
- New metric, optimizer and loss_function format/confs

11-06-2021 (01:40-05:00):
- Error handling, admin sim commands fix, user stats, environment variables, other fixes

Hugo Ferreira:
07-04-2021 (22:00-23:00):
- Started working on the domain model

08-04-2021 (14:00-16:00):
- Continued work on the domain model

11-04-2021 (18:10-18:20):
- Final fixes on the domain model

03-05-2021 (22:30-00:30):
- Initial work on parser with Pedro Silva

09-05-2021 (18:30-19:30, 20:20-00:30):
- DB connection for parser (had a lot of problems to connect to db)
- /update route finished with db connection

10-05-2021 (11:00-12:20, 13:50-16:00):
- /finish route finished with db connection
- docker compose updated with parser worker and parser
- fixed problems with connecting to the DB now on docker containers
- fixed more docker problems

15-05-2021 (15:30-18:00):
- testing with simulations
- docker clean up

16-05-2021 and 17-05-2021 (16:30-1:50):
- added new fields sim_id and epoch
- transformed uuid to int
- helped both Pedro's in what they were doing today
- helped testing the above changes

17-05-2021 (9:30-10:20):
- added new attributes to parser
- and testing of these changes

21-05-2021 (15:00-19:00):
- some error handling added in parser
- added that the simulation could auto-delete itself
- helped Pedro Silva in deployer

23-05-2021 and 24-05-2021 (22:30-2:00):
- started working on download of dataset on the deployer
- made docker image for deployer slimmer

26-05-2021 (15:00-17:00):
- ended implementation of download dataset on deployer

31-05-2021 (21:00-1:00):
- implemented sending extra-metrics to database
- and test said feature

02-06-2021 (15:50-19:00):
- implemented csv converting of datasets in deployer
- helped Pedro Silva implementing and bugfixing conversions of other file formats into datasets

03-06-2021 (23:30-23:59):
- Fixed a bug where the db connection would fail and the parser wouldn't reconnect

04-06-2021 (15:30-20:00):

- refactored download dataset in deployer to save the dataset in the same directory as the server
- helped Pedro Silva in making support for other file formats in deployer

12-06-2021 (21:40-00:20):
- started to clean up the parser for release
- added env variables

15-06-2021 (23:30-23:59):
- Added even more env variables and verification for them

24-06-2021 (16:20-20:00):
- Worked on the documentation on the parser implementation
- Helped the rest of the documentation