

# Release Plan

Deforestation Detector

Release Name: Deforestation Detector 1.0

Release Date: March 8th 2022


Revision 4 – 2/21/2022

## High Level Goals

- Web
  - Provide accurate information with respect to deforestation
  - Provide accessibility for further information and/or call to actions
  - Provide an immersive rainforest experience
- Deep Learning
  - Find the best image augmentation for our model
  - Utilize transfer learning from successful image classification models
  - Attempt GROKKing
  - Support online learning
  - Export model via tensorflow.js
  - Implement method for conforming to PEP 8 styling

## User stories for release

- Sprint 1 (01/03 - 01/25)
  - As a user, I would like to arrive at a landing page, because it would make the rest of the experience more accessible.
  - As a user, I would like to see an indication of the loading progress of the page, because large media can take many seconds to load and I don't want to be stuck with a blank screen.
  - As a user, I would like the fonts used on the page to be readable and fitting to the purpose of the website.
  - As a user, I would like the colors of the website to be fitting to the rest of the experience and aesthetically pleasing, because color can affect readability of text and visibility of other elements.
  - As a user, I would like to be able to visualize the scope of today's deforestation because it will help me to understand its threat to my future.
- Sprint 2 (01/26 - 02/08)
  - As a user, I would like the data to be accurate, because misinformation can be more dangerous than ignorance.
  - As a user, I would like to be able to see more about the experience in an about/info page, because it will allow me to understand its purpose.
  - As a user, I want the data to be relevant to the purpose of the experience.
  - As a user, I would like to know what contributes to deforestation, because then I can focus on contributing towards specific goals.
  - As a user, I want to be able to navigate the UI/experience intuitively, because otherwise I may miss information and/or get frustrated.
- Sprint 3 (02/09 - 02/22)
  - As a user, I would like to see a proper domain name, because it makes me feel like

- the information there is more reputable.
  - As a user I want to know how much deforestation is due to human intervention rather than natural causes.
  - As a user, I would like calls to action that can lead me to ways of contributing to the efforts against deforestation.
  - As a user, I want to know which specific regions in the Amazon rainforest are being affected by deforestation.
  - As a user, I want to be able to input an image and get a prediction on it.
- Sprint 4 (02/23 - 03/08)
  - As a user, I would like to be able to contribute to the effort towards minimizing deforestation.
  - As a user, I want the elements in the experience to have pleasing micro-interactions.
  - As a user, I would like clear/intuitive indication of how to navigate unique elements of the experience, because otherwise I might get lost or miss content.
  - As a user, I would like to see an example of the satellite images used for the 3D experience while I am investigating it.
- Product backlog: Empty due to small scope of project
  - N/A
- Project Presentation:
  - Initial:  Deforestation Detector Presentation