

## 1) Read sensor data

Both the current camera image, as well as information about altitude and camera attitude.

## 2) Get reference mapping for approximate area

Using a generous search area around the previous location

## 3) Use Siamese Neural Network to determine location of camera view on reference mapping

## 4) Correct for offset caused by camera not looking straight down

## 5) Rinse and repeat!

Each iteration is largely independent to previous iteration, which limits error propagation.



# Proposed Architecture Diagram

