

Could we use satellite images?

After research, we found we need only high resolution images: 0.8 m per pixel (biggest zoom from online map). Price for half-a-year old images for this area would be ~1 million US dollars

Is there another option?

Yes, online map services like Google or Mapbox have a decent satellite photos, aged 2–5 years

Bing maps

Best option in our case – most of photos were made in 2015, some in 2014 and 2016 – these were years with most intensive extraction of amber

What to do with half a million of images?

The only option in our case – create a computer model to search automatically for traces of amber extraction, on all this huge amount of photos

Computer model

Deep Neural Network – model is based on recent advances in Artificial Intelligence (AI)

What to look on satellite photos?

We made a couple of interviews with environmental activists, to figure how places of amber extraction could look on aerial images

