[show a screen of timesync]

This video describes a system for generating data TimeSync, an earth observation time series validation and exploration time application, using Google Earth Engine.

TimeSync was introduced in 2010 as an accompaniment to the LandTrendr spectral temporal segmentation algorithm, which automates the segmentation of a Landsat time series. We needed a way to check how well the algorithm was working so TimeSync was developed to allow researchers to easily handle manual segmentation and management the resulting data to be used in validation of the LandTrendr. LandTrendr has now moved onto the Google Earth Engine Platform so we wanted to also generate validation data for TimeSync on Google Earth Engine.

Here is a quick demonstration of TimeSync so we’re on the same page about it is before we get into how to generate data for it using Google Earth Engine.