

Sentinel-Hub – EO Browser

<https://www.sentinel-hub.com/explore/eobrowser/>

EE406: Contemporary Economic Issues
Semester 1/ 2021
Faculty of Economics, Thammasat University

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saturation = saturation * clip
stretchMax = stretchM
) else (
if ((BBA - B12) / (BBA + B12)) >= 0.1High) (
noFire(0) = noFire(0) + 0.2 * val;
noFire(1) = noFire(1) - 0.05 * val;

URBAN GROWTH IN AFRICA CUSTOM SCRIPT CONTEST

THE DEADLINE IS EXTENDED TO SEPTEMBER 5TH 2021!

EO Browser makes it possible to browse and compare full resolution images from all the data collections we provide. You simply go to your area of interest, select your desired time range and cloud coverage, and inspect the resulting data in the browser. Try out different visualizations or make your own, download high resolution images and create timelapses.

Sentinel Hub services are providing long-term analysis in an efficient way. We keep EO Browser, our showcase of Sentinel Hub functionality free to use, to make these features available to just about anyone. Some of the most exciting new EO Browser features are collected in our Medium blog posts from [March 2020](#) and [July 2020](#).

START EXPLORING!

EO Browser ENGLISH Login

Discover Visualize Compare Pins

Theme Login to use custom configuration instances.

Default

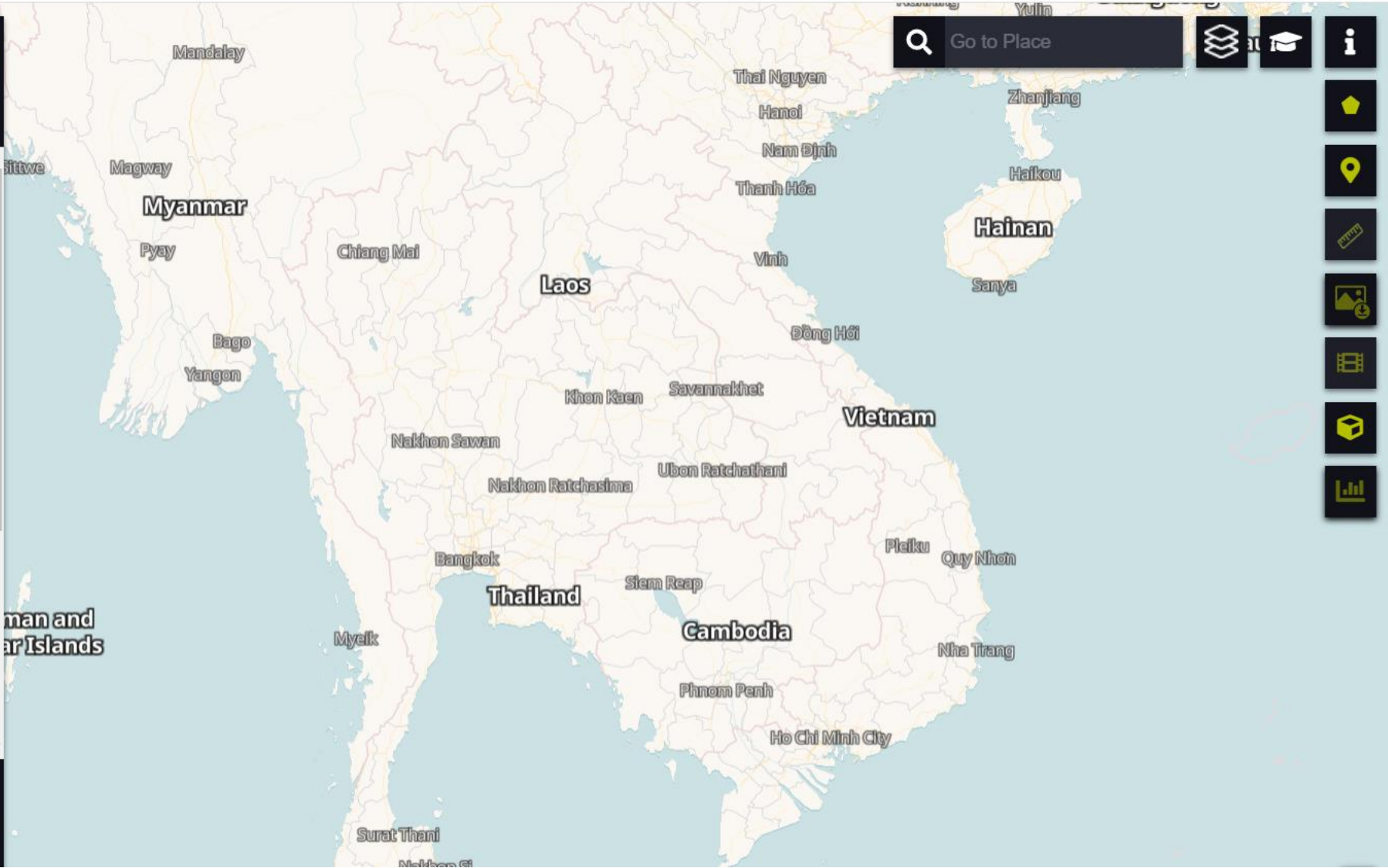
Search Commercial data Highlights

Data sources

- Sentinel-1 ?
- Sentinel-2 ?
Advanced search:
- Sentinel-3 ?
- Sentinel-5P ?
- Landsat 4-5 TM ?
- Landsat 8 ?
- Landsat (ESA Archive) ?
- Envisat Meris ?
- MODIS ?
- DEM ?

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- Landsat 8
- Landsat (ESA Archive)
 - Landsat 5 (ESA archive)
 - Landsat 7 (ESA archive)
 - Landsat 8 (ESA archive)
- Max. cloud coverage: 100 %
- Envisat Meris
- MODIS
- DEM
- Copernicus Services
- Proba-V
- GIBS

Time range [UTC]

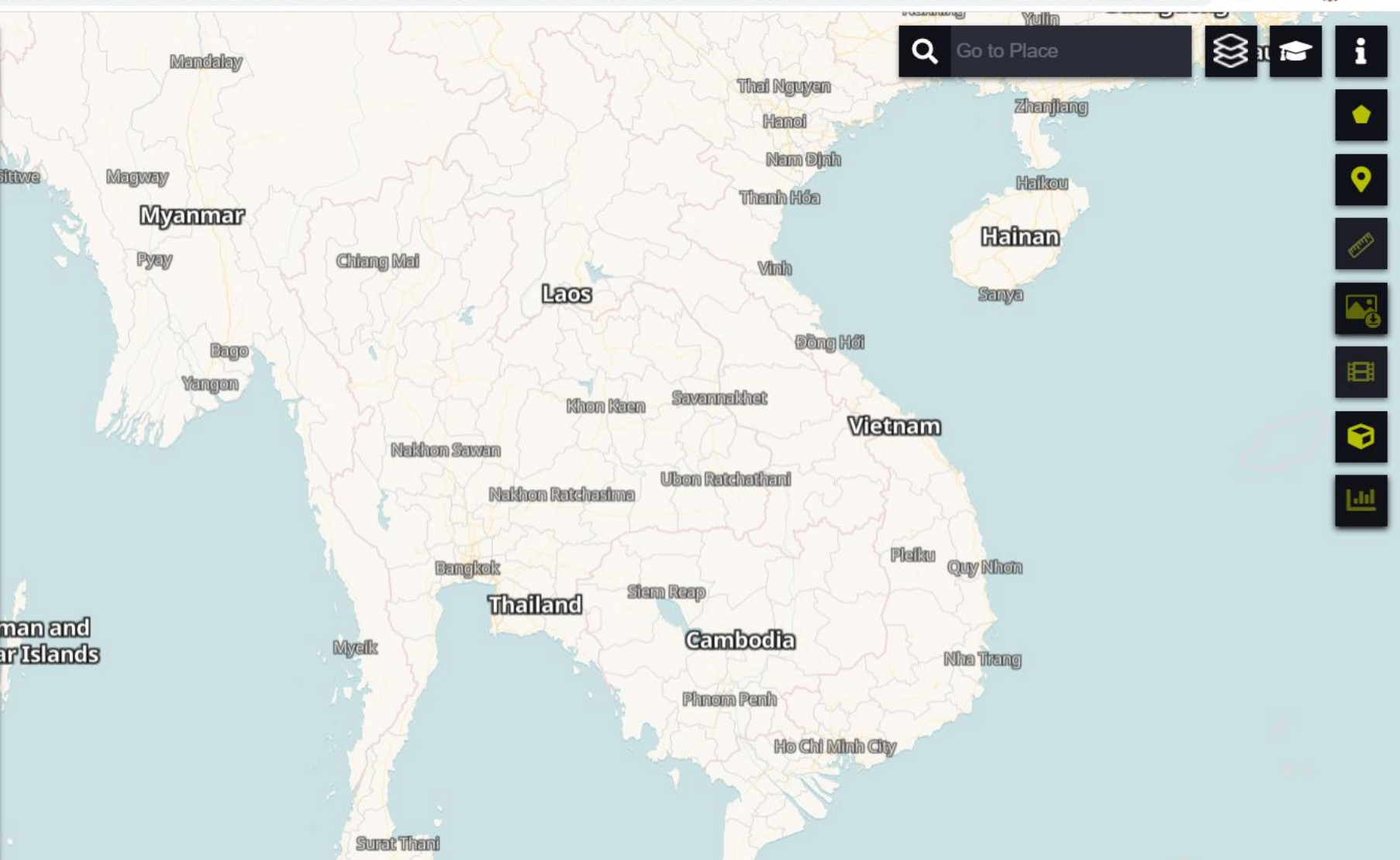
2021-07-08 2021-08-08

filter by months

Search

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Go to Place

Layers **Help** **Info**

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- Full Screen
- Layers
- Settings
- About

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← Back to search Showing 50 results

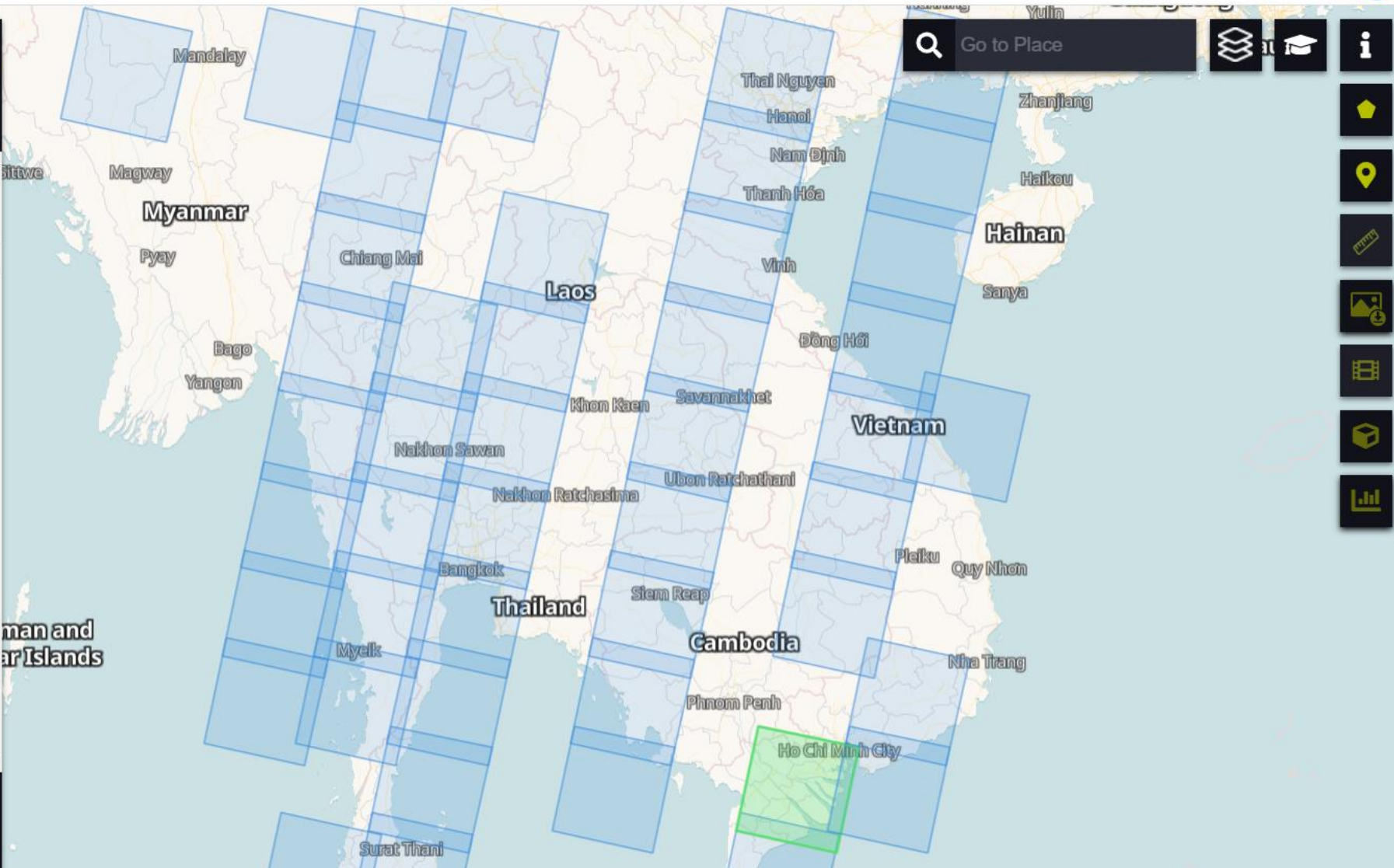
	Landsat 8 (ESA archive)	
Visualize	2019-06-15	
	03:42:58 UTC	
	78.9 %	
	66.3°	

	Landsat 8 (ESA archive)	
Visualize	2019-06-15	
	03:41:46 UTC	
	83.5 %	
	68.0°	

	Landsat 8 (ESA archive)	
Visualize	2019-06-13	
	03:54:07 UTC	

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False color

NDVI

Normalized Difference Vegetation Index (NDVI)

The normalized difference vegetation index is a simple, but effective index for quantifying green vegetation. It is a measure of the state of vegetation health based on how plants reflect light at certain wavelengths. The value range of the NDVI is -1 to 1. Negative values of NDVI (values approaching -1) correspond to water. Values close to zero (-0.1 to 0.1) generally correspond to barren areas of rock, sand, or snow. Low, positive values represent shrub and grassland (approximately 0.2 to 0.4), while high values indicate temperate and tropical rainforests (values approaching 1).

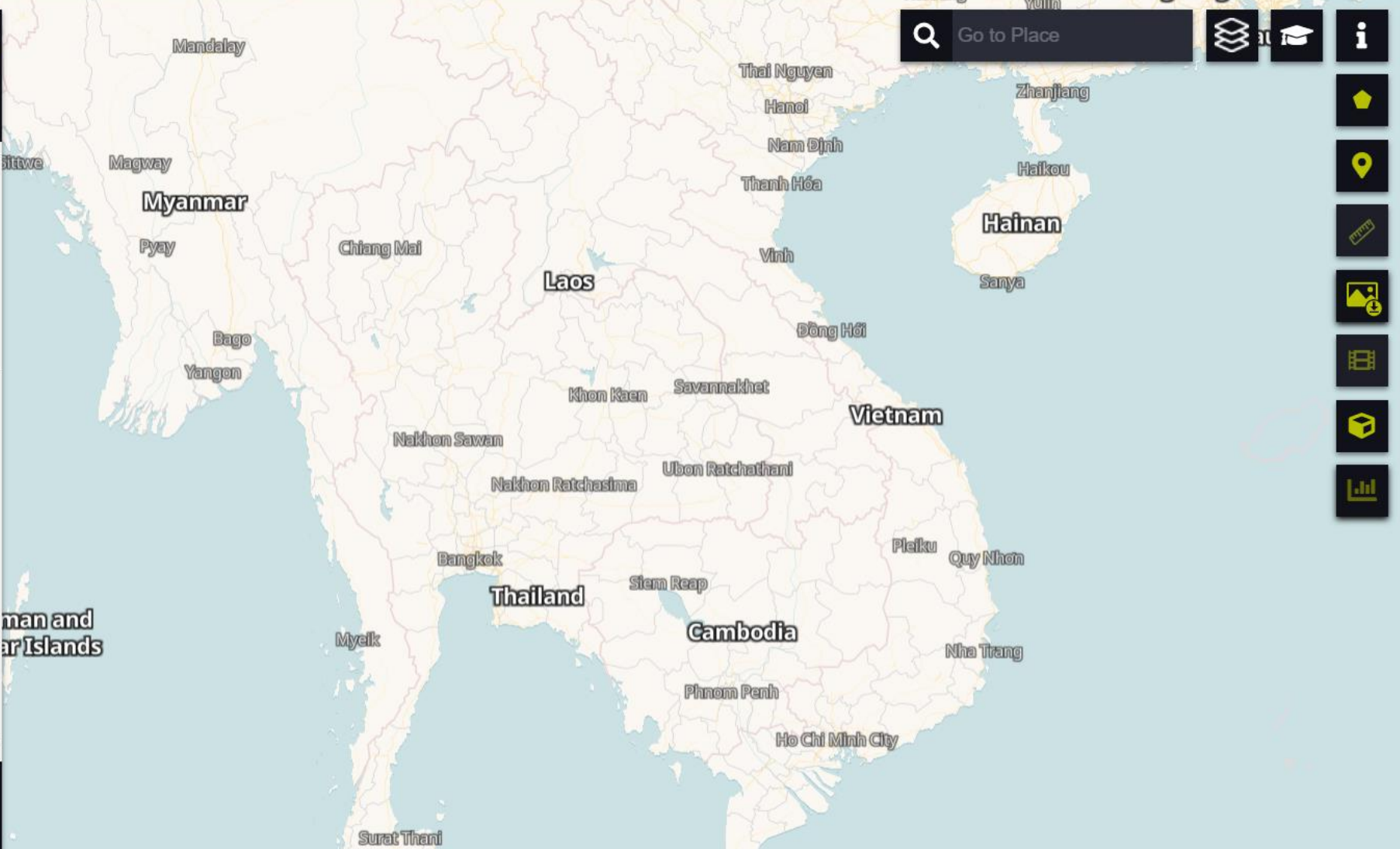
More info [here](#) and [here](#).

Custom Create custom visualization

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Dataset: Landsat 8 (ESA archive)

Timespan: **2019-06-06 00:00 - 2019-06-06 23:59** Single date

From: 2013-11-01 hh:00 mm:00

Until: 2019-06-06 hh:23 mm:59

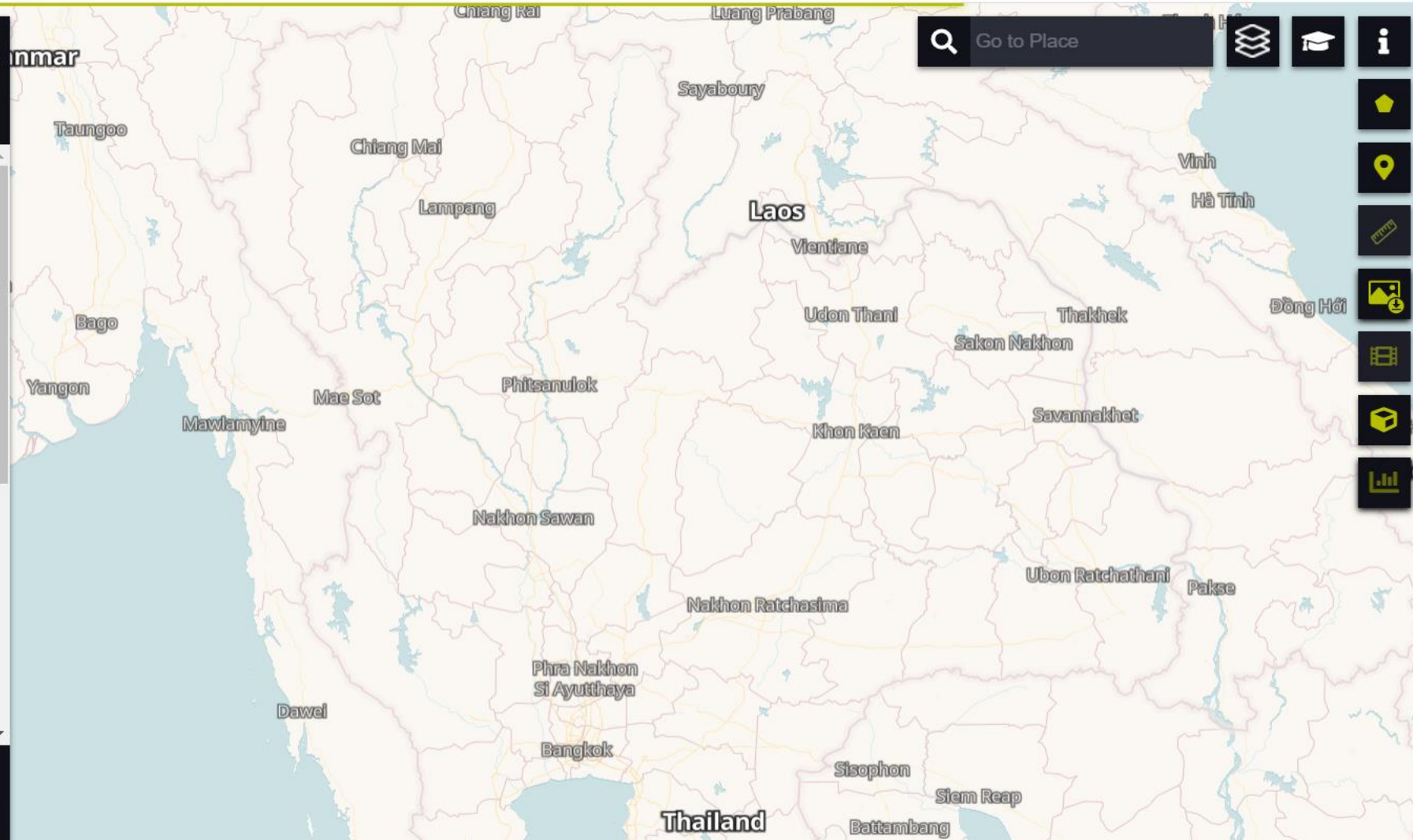
November 2013

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Apply

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Go to Place

2.09 km²

Map navigation icons

Dataset: Sentinel-2 L1C Show L2A

Date: 2021-07-05

True color
Based on bands 4,3,2

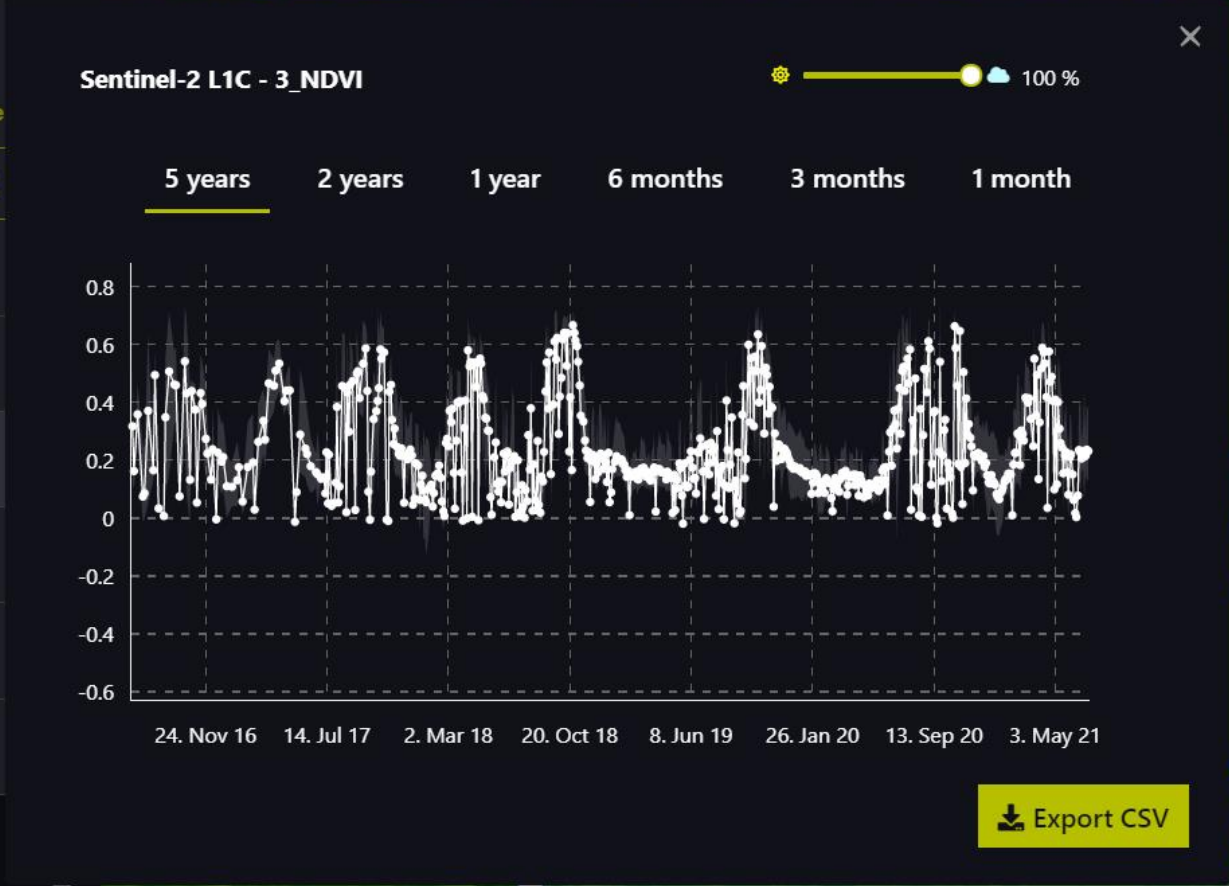
False color
Based on bands 8,4,3

NDVI
Based on combination of bands $(B8 - B4)/(B8 + B4)$

False color (urban)
Based on bands 12,11,4

Moisture index
Based on combination of bands $(B8A - B11)/(B8A + B11)$

SWIR
Based on bands 12,8A,4



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Discover Visualize Compare Pins

Dataset: Sentinel-2 L1C Show L2A

Date: 2021-07-05 Time

True color Based on bands 4,3,2

False color Based on bands 8,4,3

NDVI Based on combination of bands $(B8 - B4)/(B8 + B4)$

False color (urban) Based on bands 12,11,4

Moisture index Based on combination of bands $(B8A - B11)/(B8A + B11)$

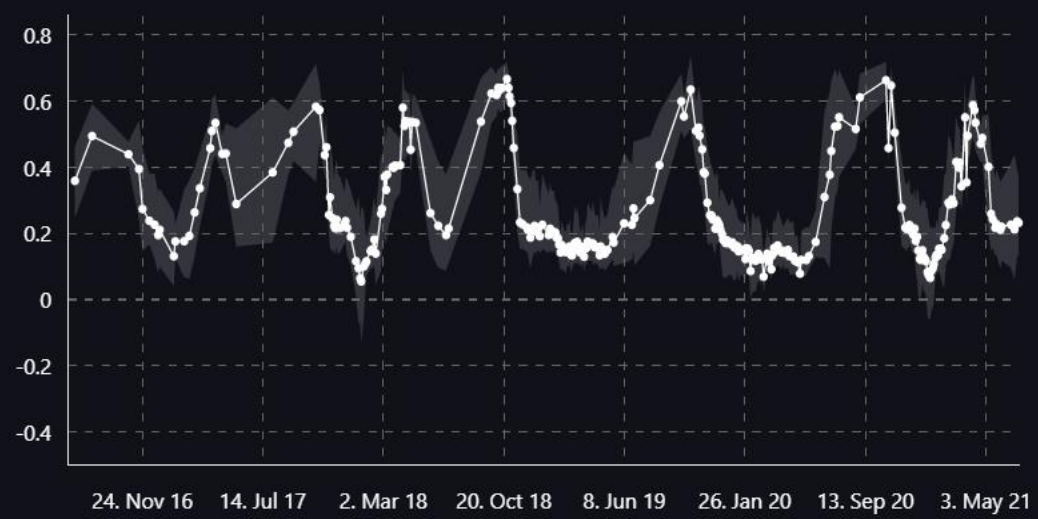
SWIR Based on bands 12,8A,4

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Sentinel-2 L1C - 3_NDVI

0 %

5 years 2 years 1 year 6 months 3 months 1 month



Export CSV

Go to Place

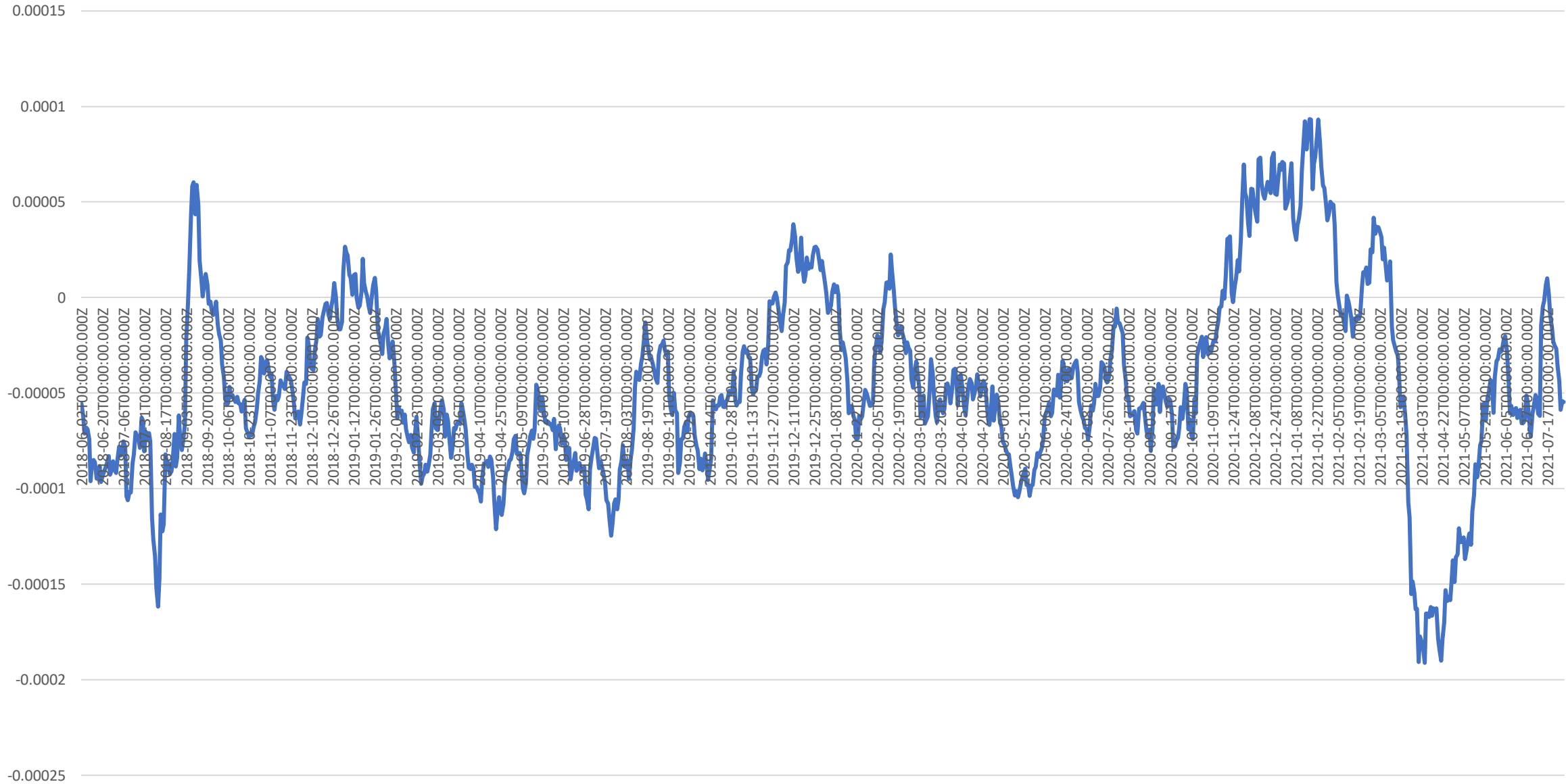
2.09 km²

Ban Wang

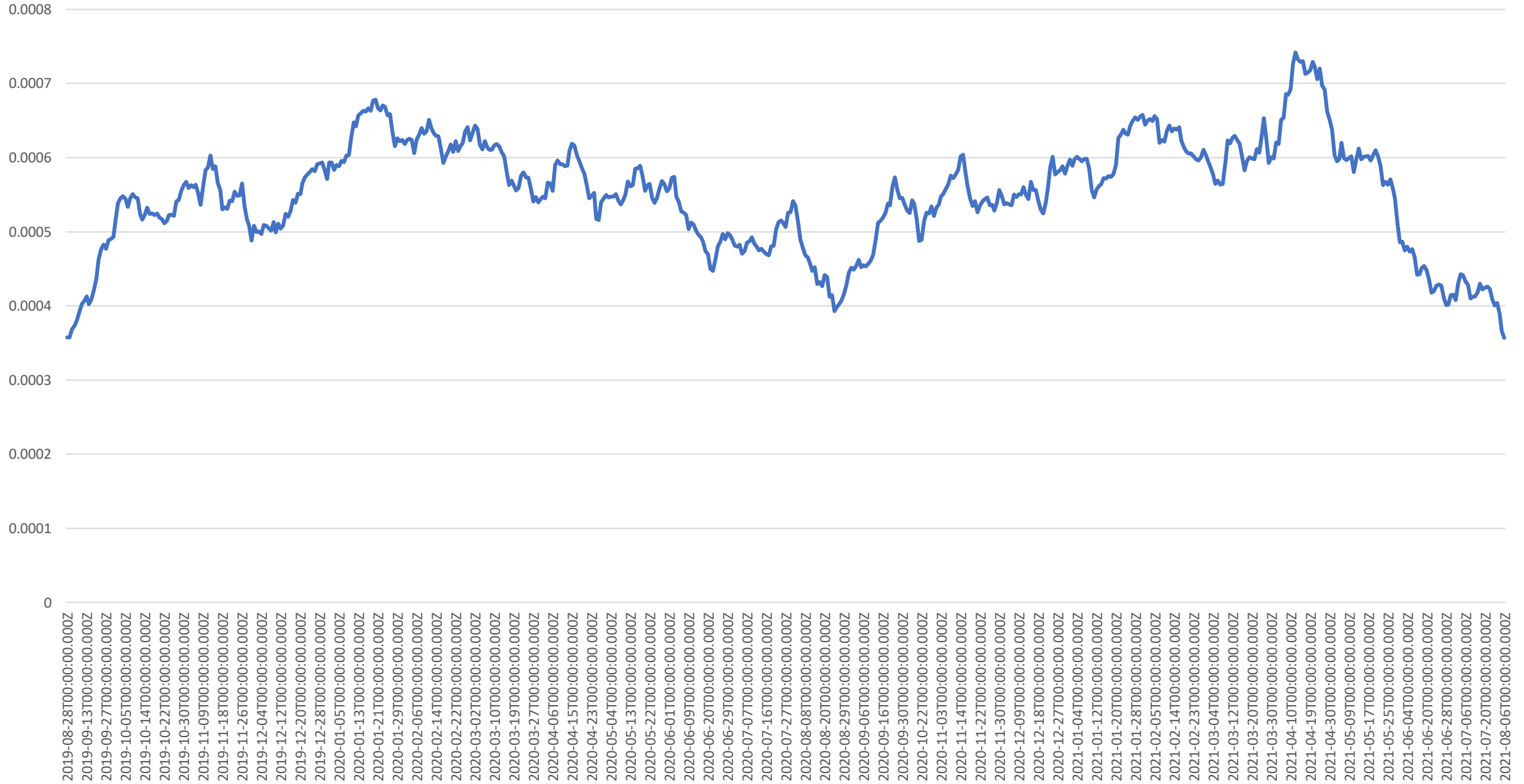
Ban Na Yom

Ban Nong Saeng

SO2 density (30-day moving average) -- Bangkok



HCHO density (30-day moving average) - Bangkok



HCHO density การเปลี่ยนแปลง (%) จากวันเดียวกันของปีที่แล้ว - Bangkok

