



maptiler

ESA PhiWeek, ESRIN Frascati, Italy

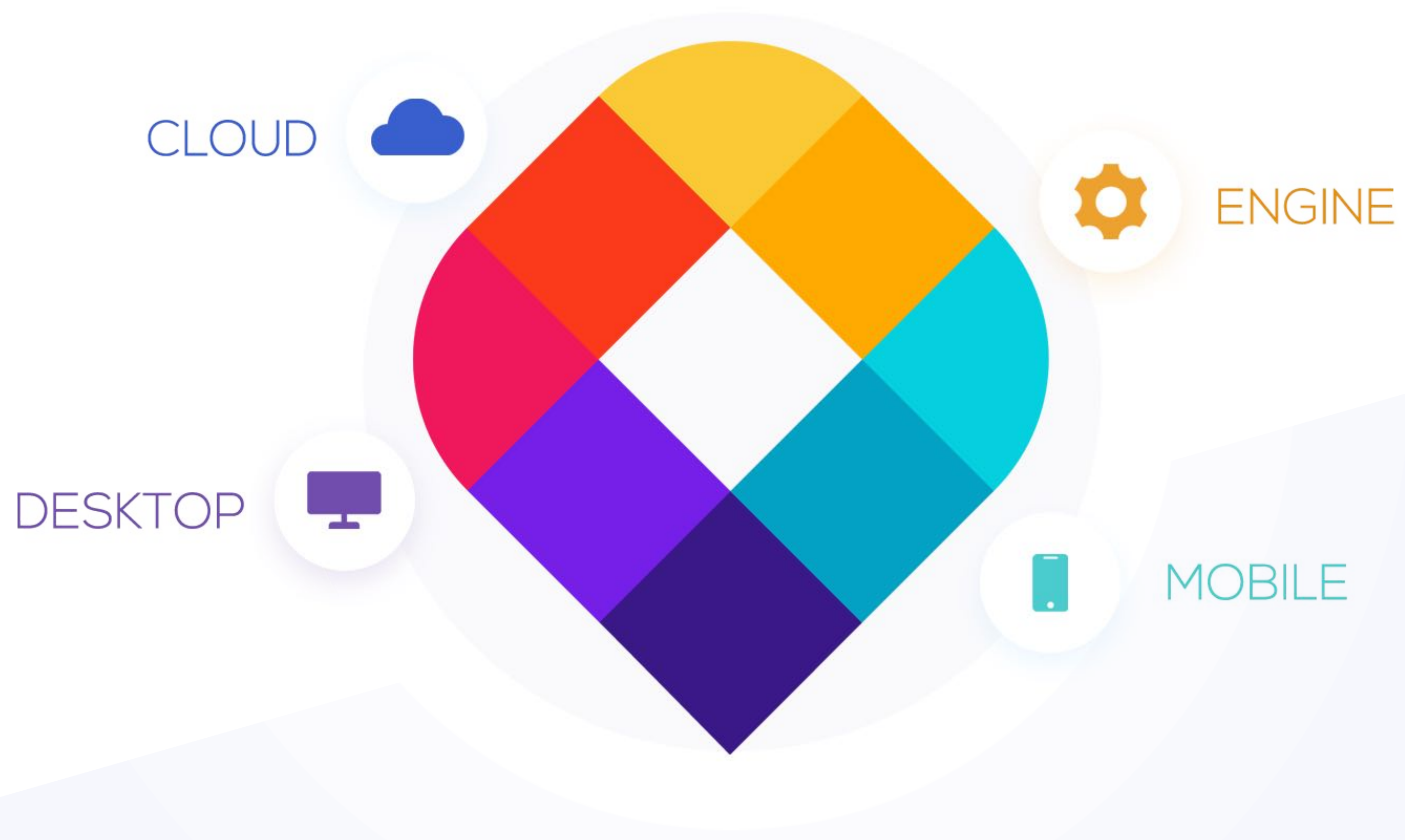
November 15th, 2018

Petr Pridal, Ph.D. <petr.pridal@klokantech.com>












M A P T I L E R

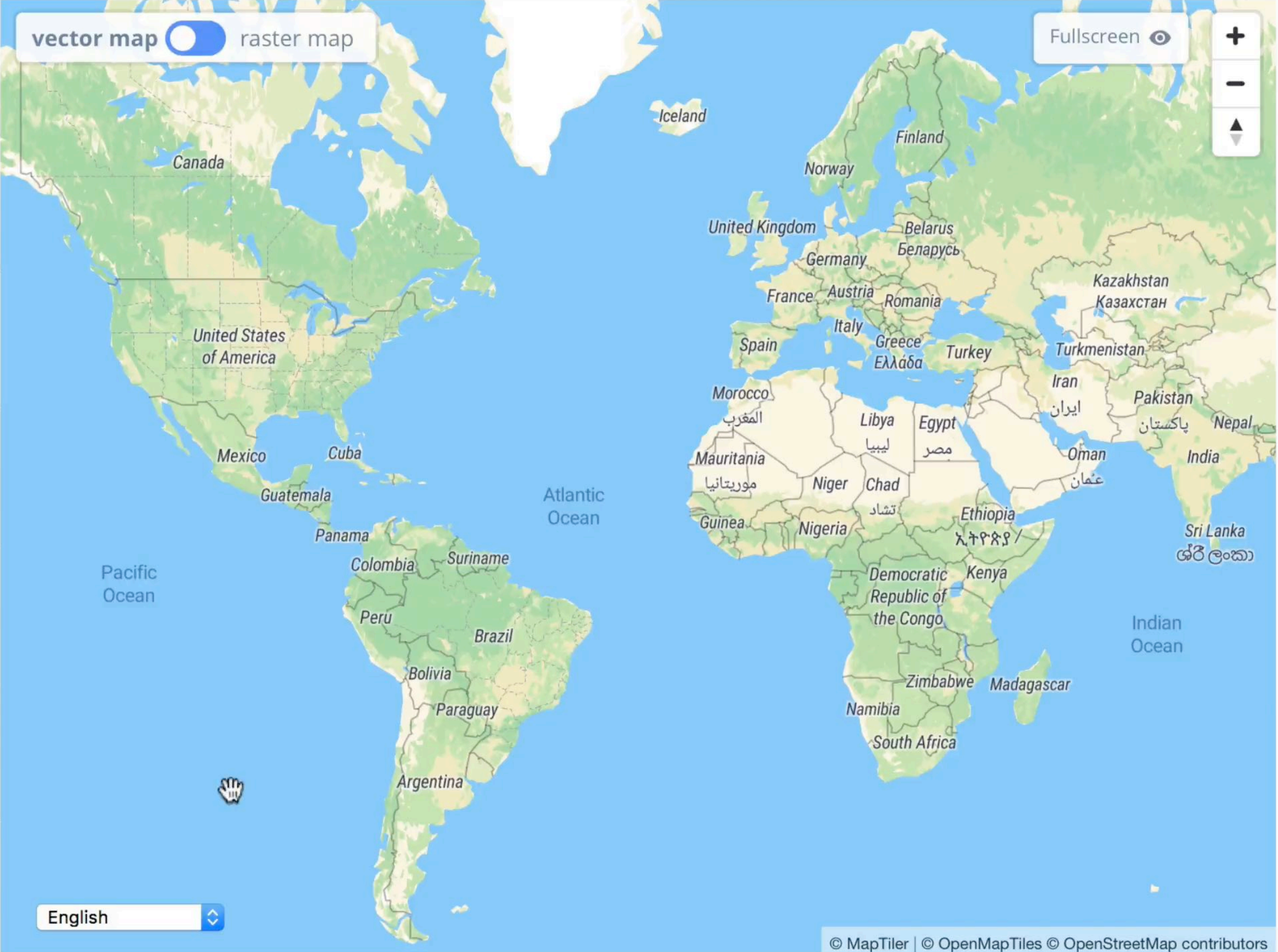


www.maptiler.com





maptiler CLOUD

	Streets
	Satellite
	Topo
	Basic
	Bright
	Positron
	Dark Matter



vector map raster map

Fullscreen 

English 

© MapTiler | © OpenMapTiles © OpenStreetMap contributors



Glasgow

UNITED KINGDOM

IRELAND

★ London

BELGIUM

★ Paris

FRANCE

Lyon

★ Lisbon

SPAIN

Seville

Valencia

ANDORRA

Barcelona

★ Algiers

Oran

GERMANY

★ Berlin

Hamburg

Munich

AUSTRIA

Milan

ITALY

Naples

Palermo

★ Valletta

★ Copenhagen

POLAND

CZECHIA

SLOVAKIA

HUNGARY

CROATIA

BOSNIA AND HERZEGOVINA

KOSOVO

ALBANIA

GREECE

★ Athens

ROMANIA

★ Bucharest

BULGARIA

Istanbul

★ Ankara

TURKEY

CYPRUS

SYRIA

★ Moscow

LITHUANIA

★ Vilnius

LATVIA

BELARUS

★ Kyiv

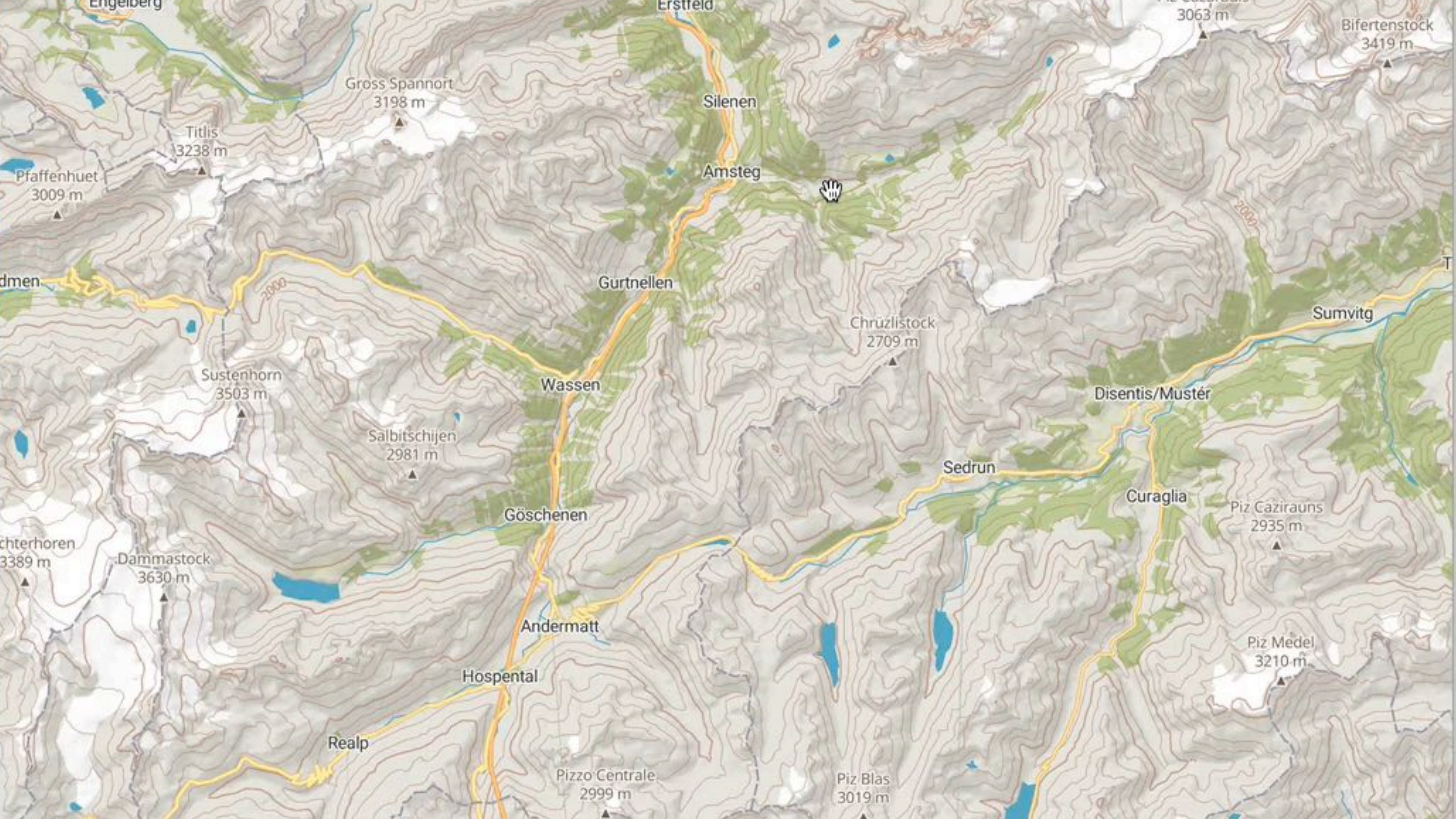
UKRAINE

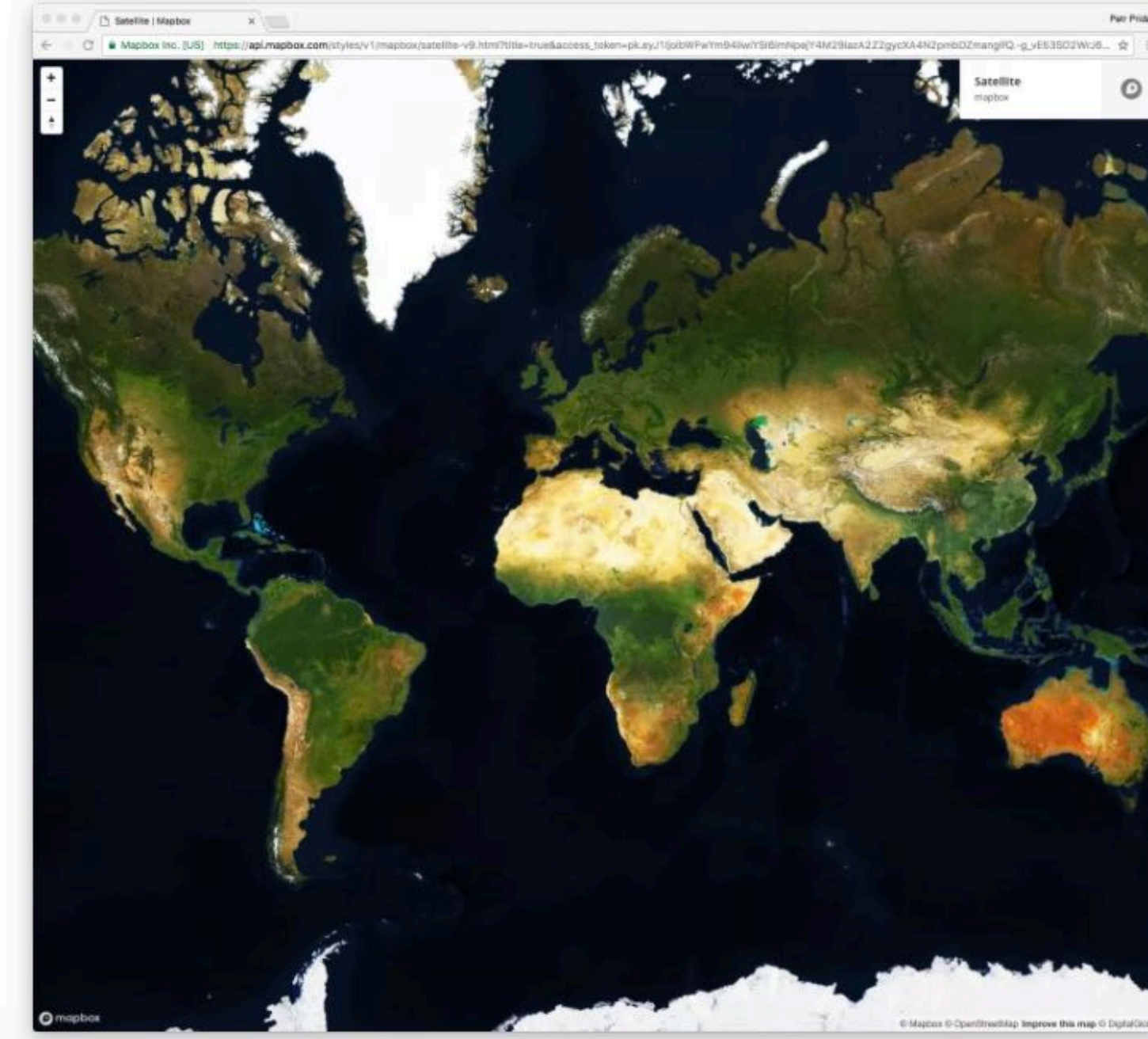
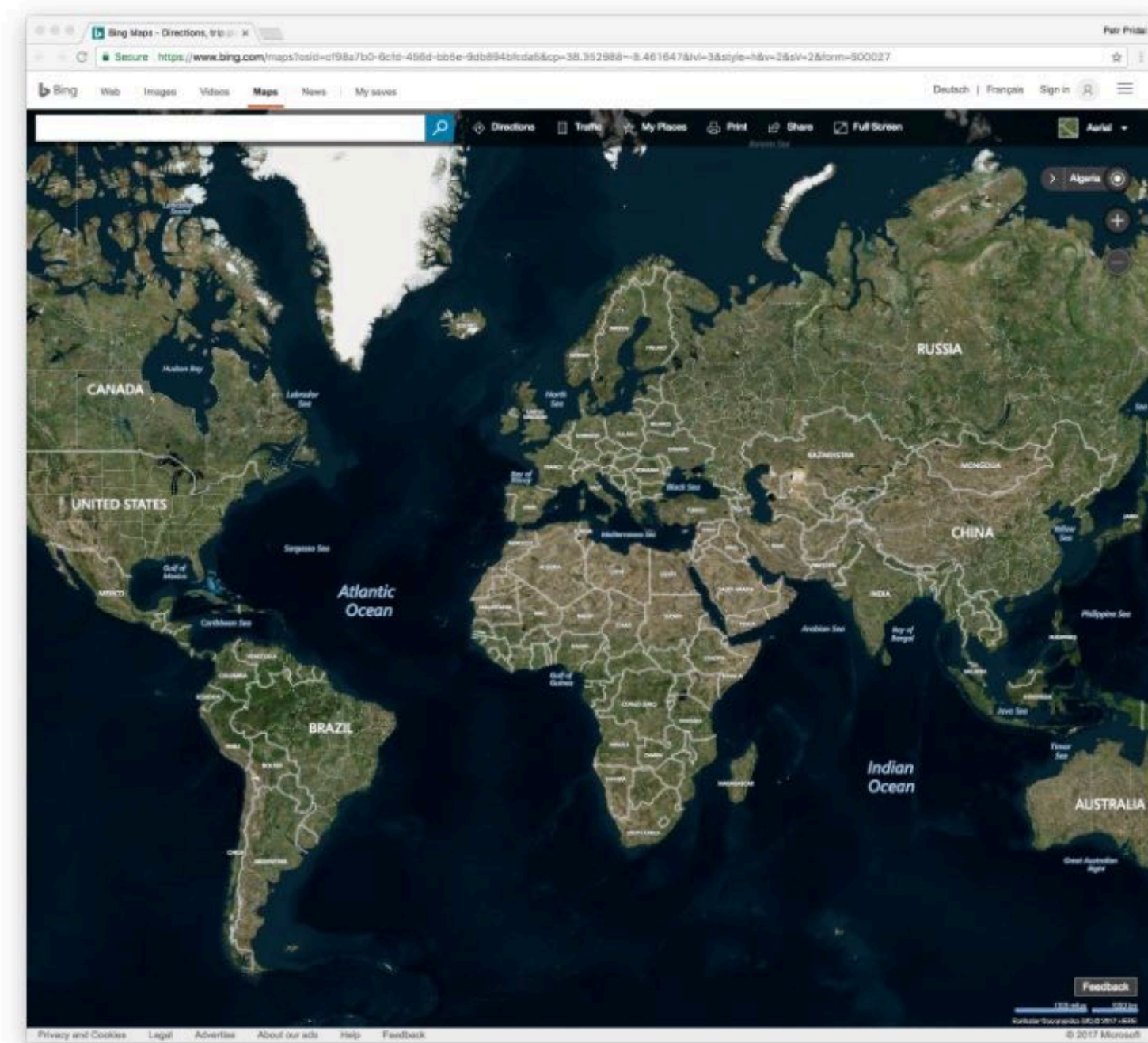
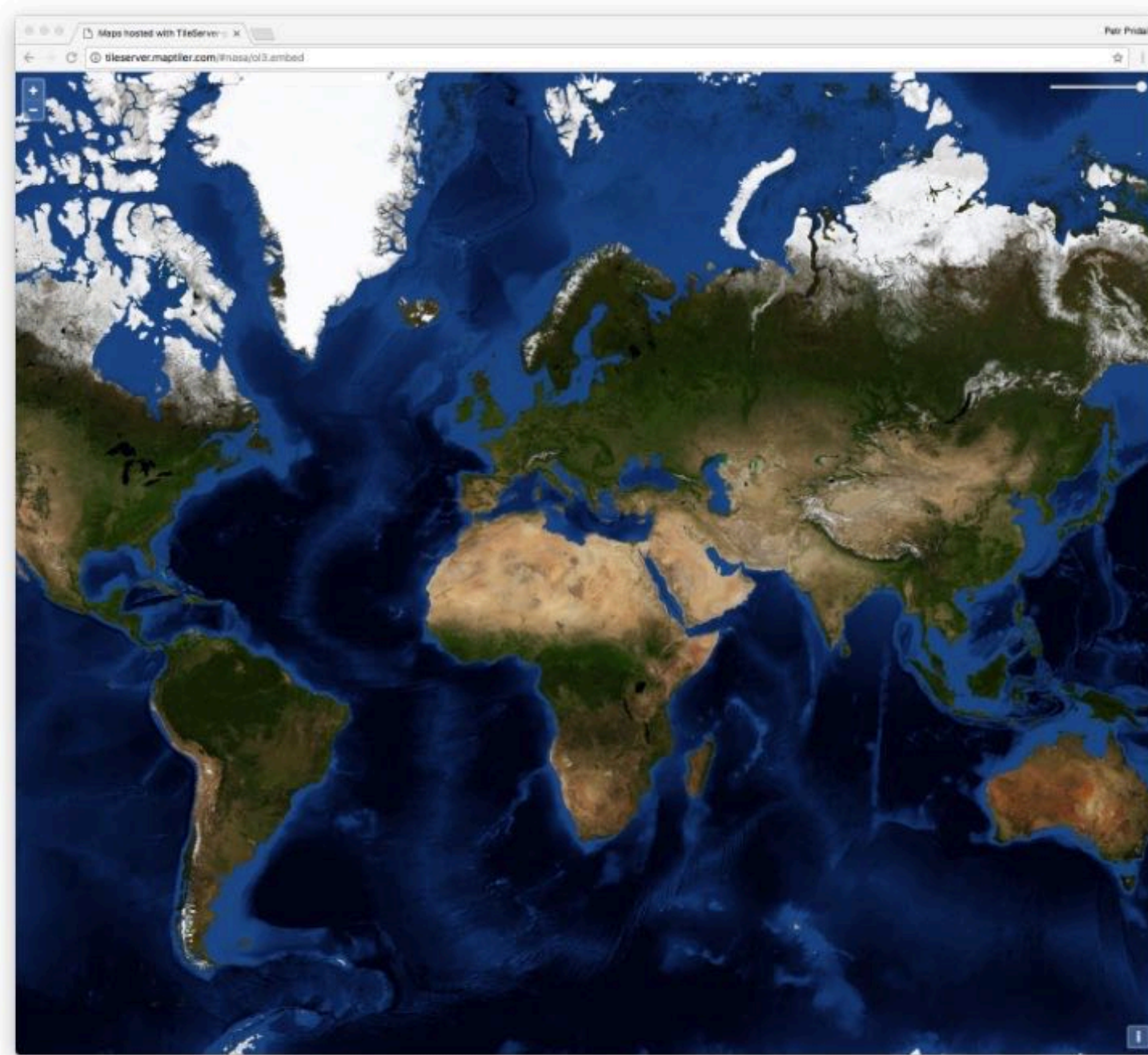
TRANSNISTRIA

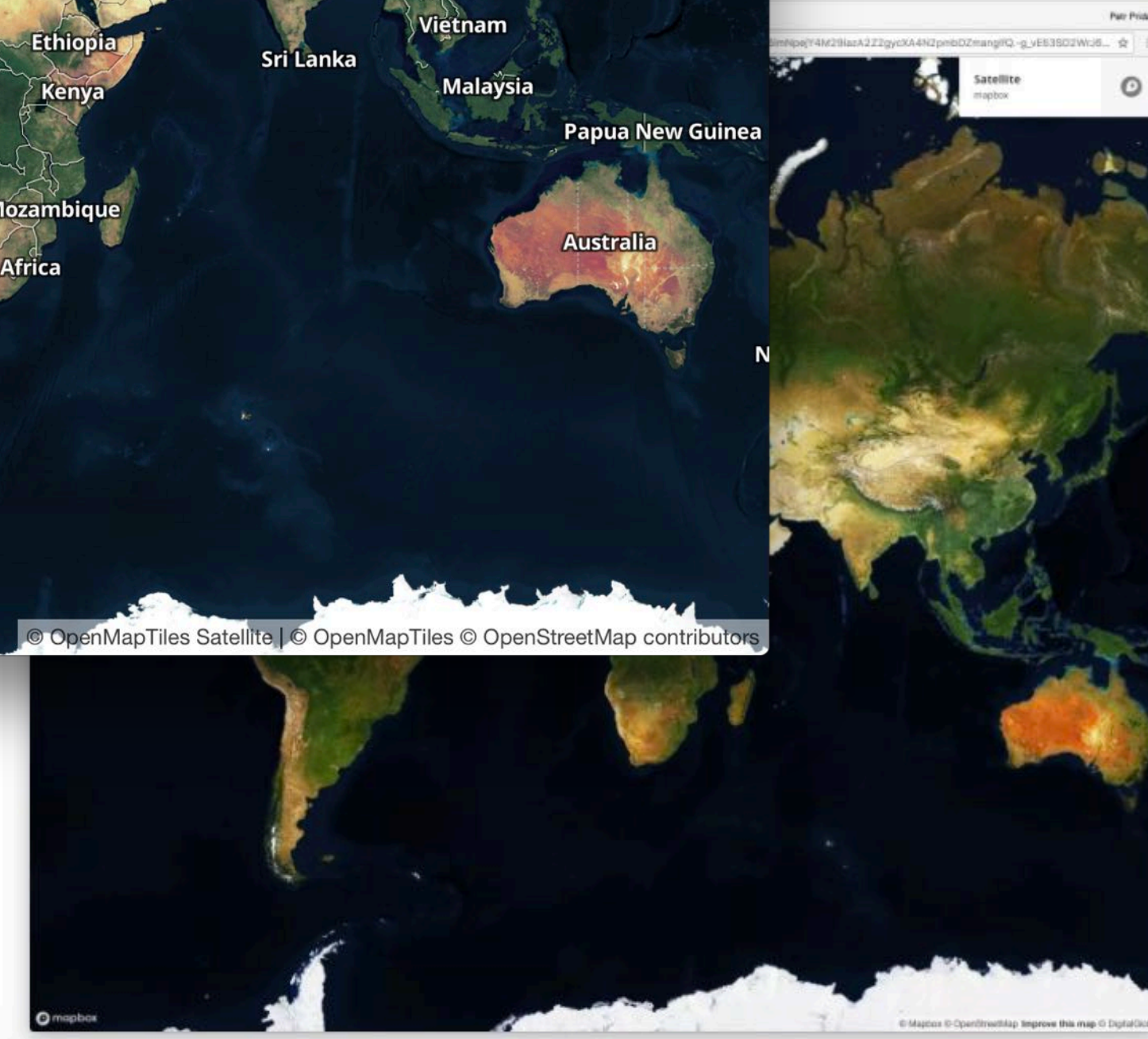
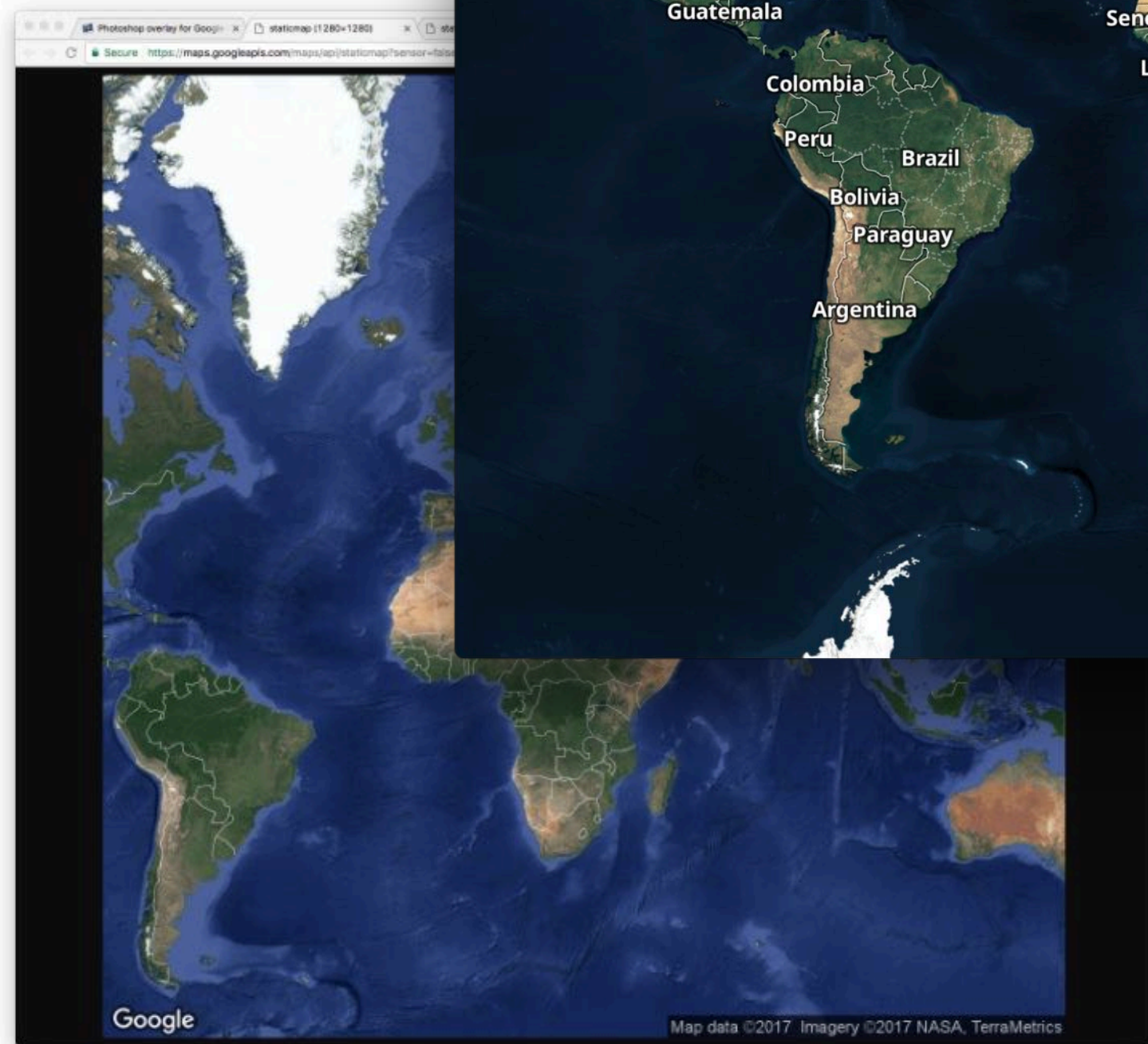
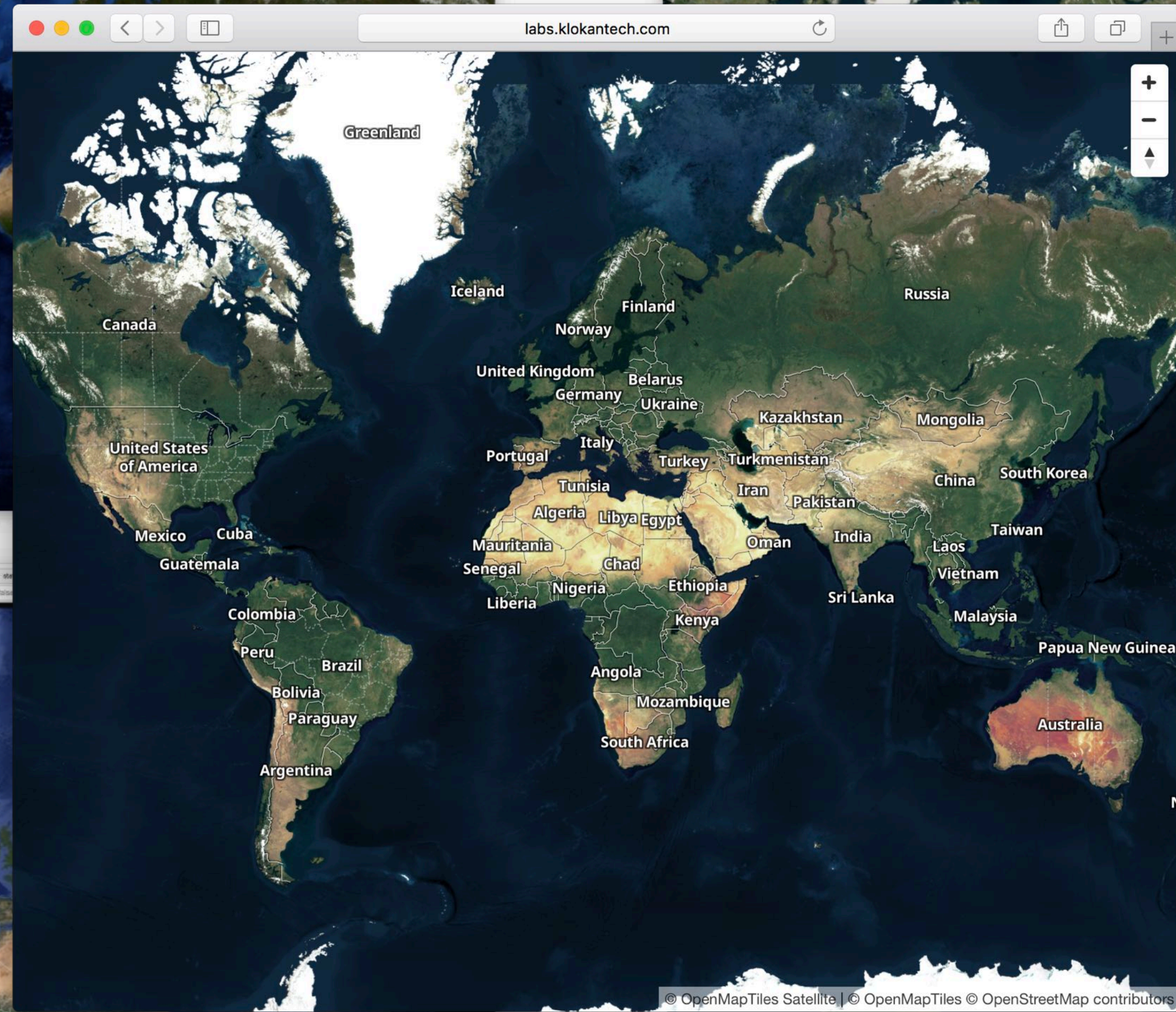
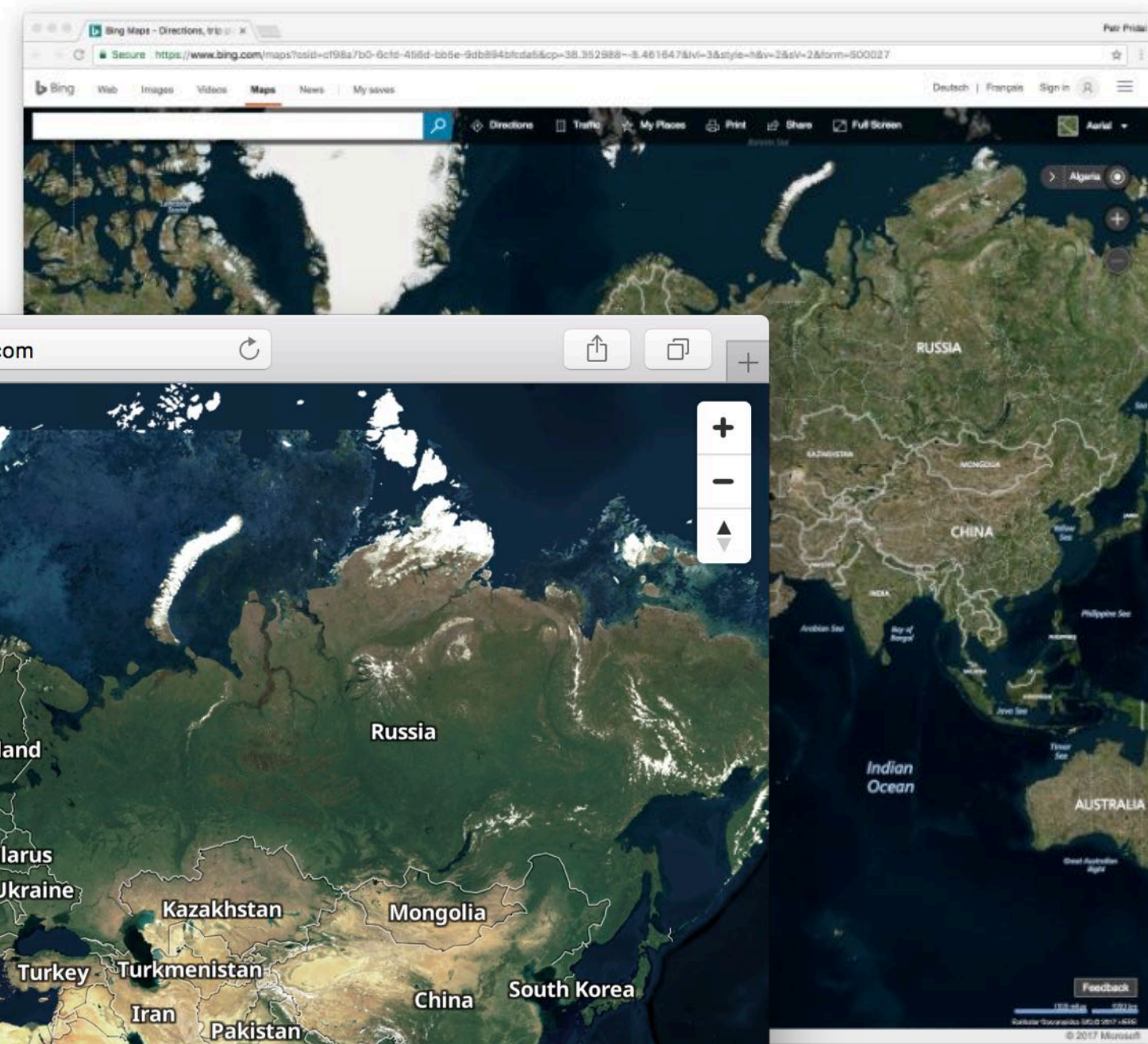
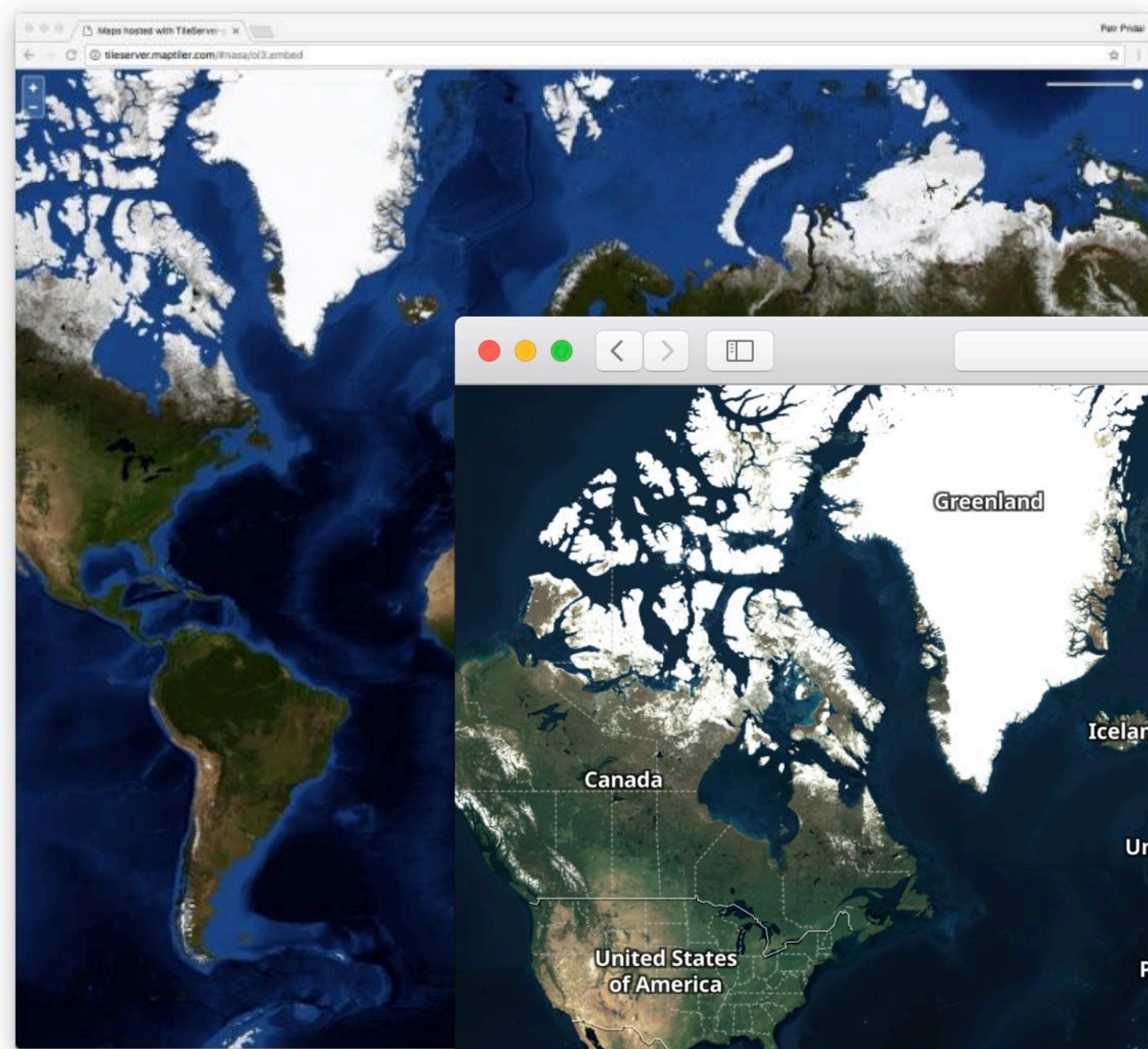
Sea of Azov

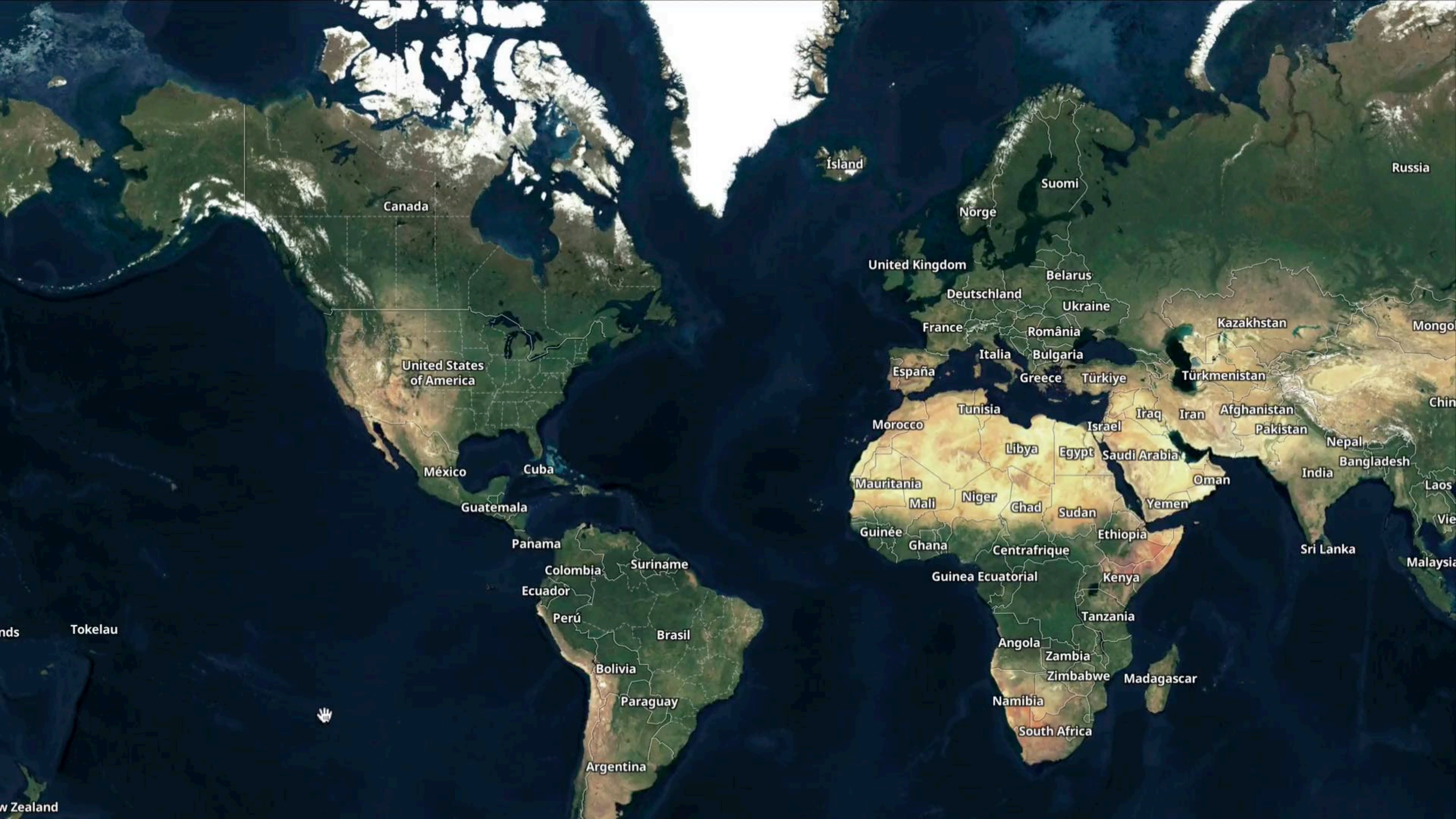
ABKH.

Aleppo









Canada

United States of America

México

Cuba

Guatemala

Panama

Colombia

Ecuador

Perú

Brasil

Bolivia

Paraguay

Argentina

Ísland

Norge

Suomi

United Kingdom

Deutschland

France

Italia

España

Belarus

Ukraine

România

Bulgaria

Greece

Türkiye

Tunisia

Morocco

Libya

Egypt

Saudi Arabia

Israel

Iraq

Iran

Afghanistan

Pakistan

Nepal

Bangladesh

India

Sri Lanka

Mauritania

Mali

Niger

Chad

Sudan

Yemen

Guinée

Ghana

Centrafrique

Ethiopia

Guinea Ecuatorial

Kenya

Tanzania

Angola

Zambia

Zimbabwe

Madagascar

Namibia

South Africa

Russia

Mongol

China

Laos

Vietnam

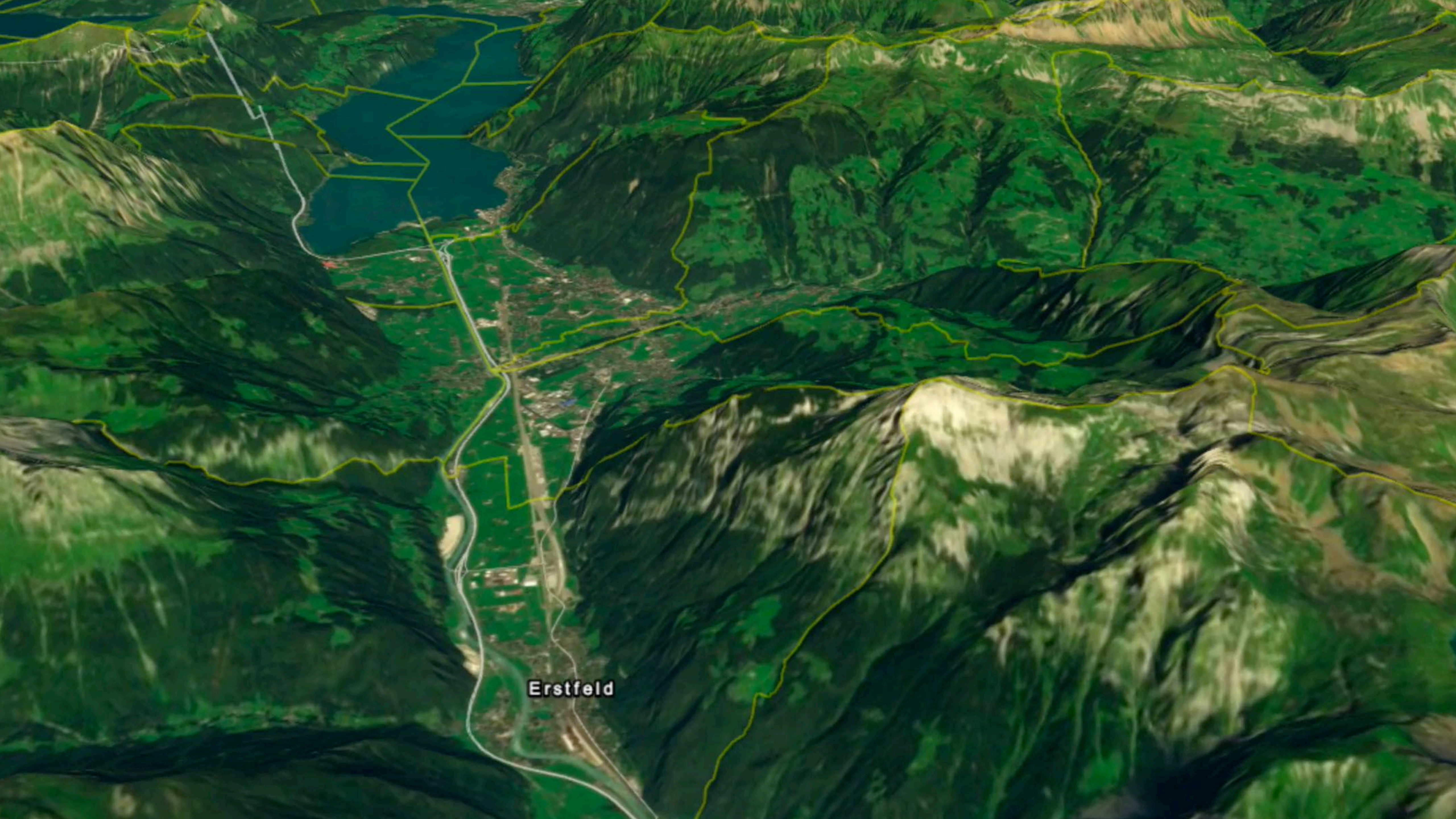
Malaysia

Islands

Tokelau

New Zealand





Erstfeld

Maps API

Powered by Copernicus Open Data





Key pain points

Map services such as Google Maps API:

- Not free (soon \$25k+ / year) for commercial use
- Leaking sensitive data about visitors
- Restricted usage (not behind login or offline)
- Extra fees for asset tracking (IoT!)
- No derivative data
- Very limited customization



MapTiler Cloud



MapTiler Server



MapTiler Cloud

FREE personal plan

Commercial use from \$20 / mo



MapTiler Server

Self-hosting

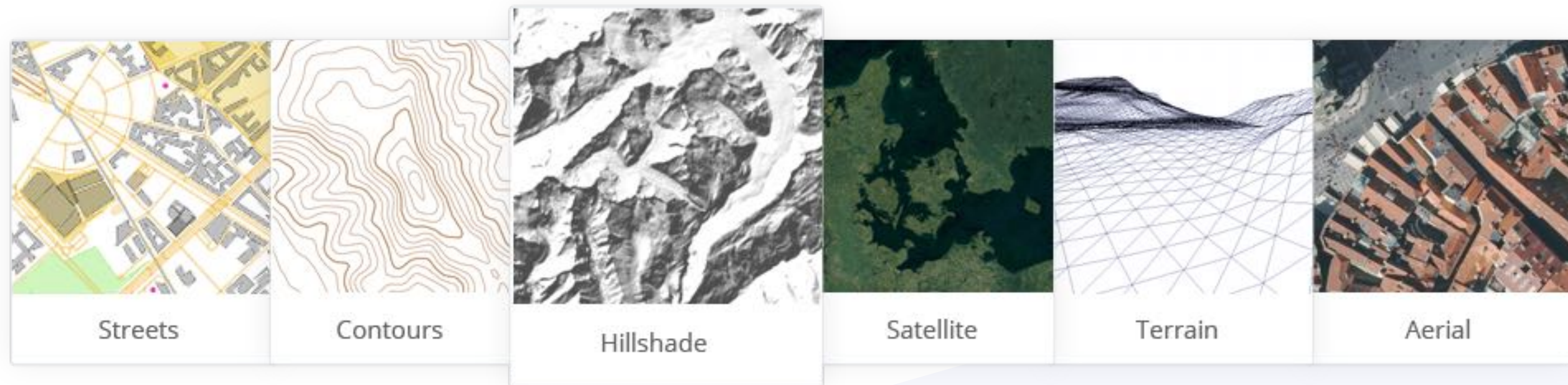
Packages from \$1024 / year

MapTiler Cloud: server infrastructure





Self-hosting data packages



Extra map tiles and preprocessed geodata

Ready to use OpenStreetMap VT with weekly updates

Support + development + assistance with production deployment

SIEMENS

+ + + **swisstopo**

IBM

 **SBB CFF FFS**

amazon

 **BOSCH**

 **AIRBUS**
DEFENCE & SPACE

 **GEOCACHING**

In about a year and a half:

25.000 registered accounts

millions of people see our maps every month

400+ companies and institutions subscribed

Monthly fees for commercial application with dynamic zoomable maps

	Google	MapTiler
1,500 views/day	\$125	\$20
3,000 views/day	\$445	\$20
10,000 views/day	\$1,650	\$56
30,000 views/day	\$5,000	\$178
100,000 views/day	\$17,000	\$605
Targeting ads to you visitors	yes	no
Customization	limited	full
Self-hosting	no	available

www.maptiler.com

FREE account

Just a few clicks to start...

cloud.maptiler.com



Get started

Maps

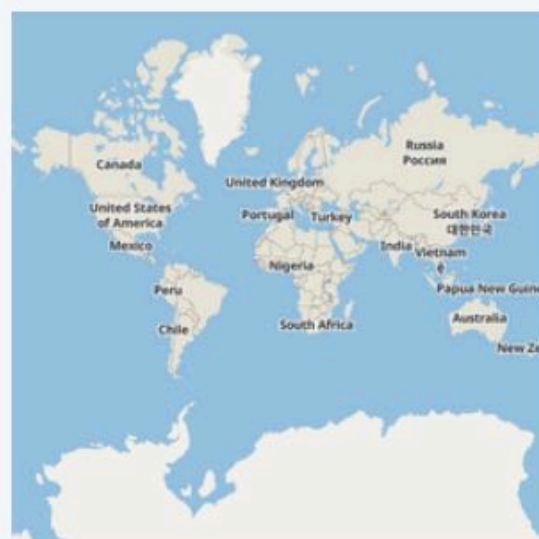
Tiles

Welcome to MapTiler Cloud

Start building and using your maps. Select one of our base maps, customize them or upload your own.

Read more [about MapTiler Cloud](#) or [about infrastructure](#).

Recommended maps



Basic



Satellite Hybrid



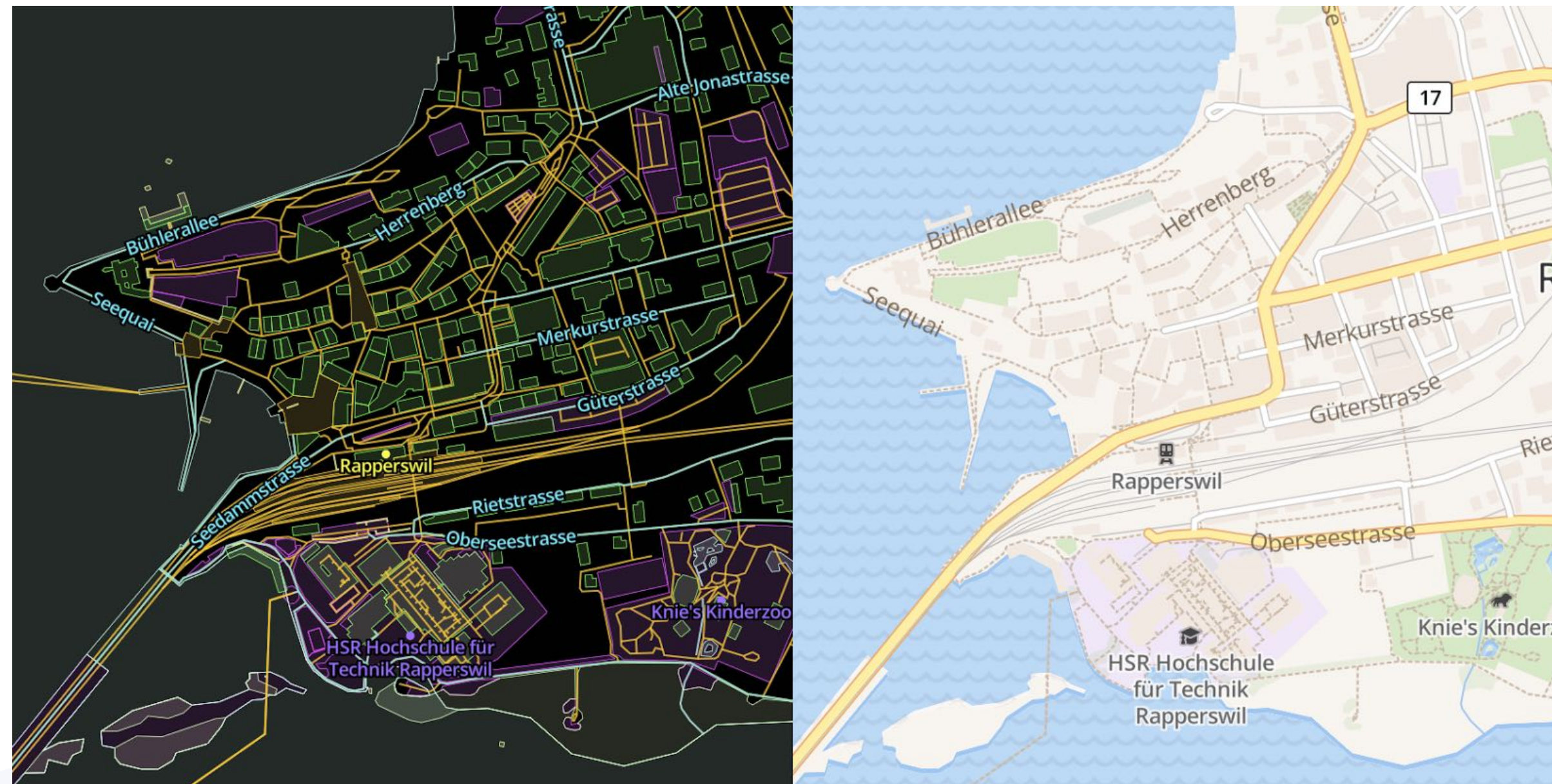
Streets



Topo

What do you want to do with the map?

Vector tile technology



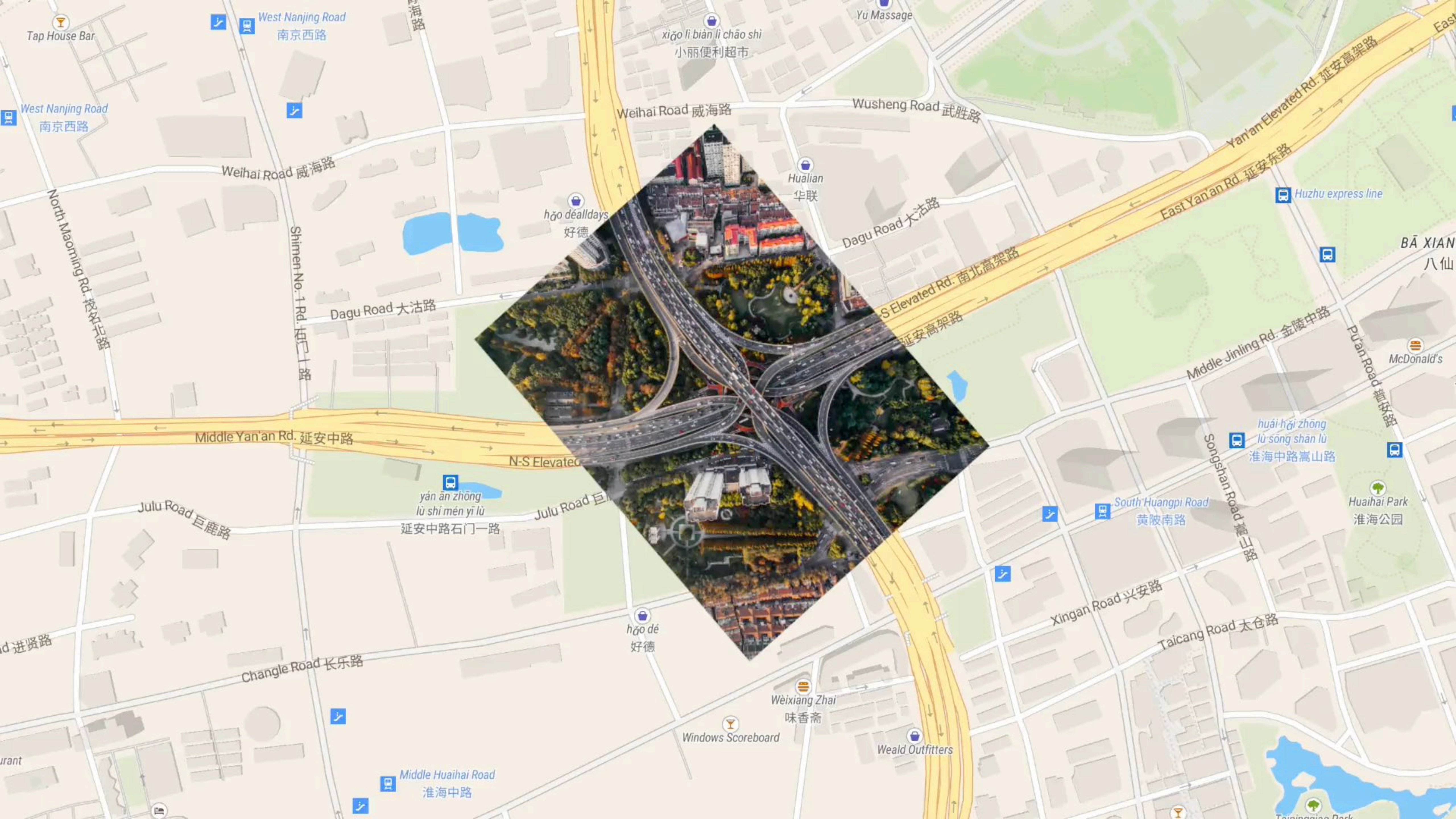
OpenMapTiles.org





WGS84

Custom Coordinate Systems
openmaptiles.com/coordinate-systems/



Tap House Bar
West Nanjing Road 南京西路

West Nanjing Road 南京西路

North Meiming Rd. 梅明北路
Shimen No. 1 Rd. 石门一路

Middle Yan'an Rd. 延安中路

Julu Road 巨鹿路

Changle Road 长乐路

Middle Huaihai Road 淮海中路

xiǎo lì biàn lì chāo shì
小丽便利超市

Weihai Road 威海路

hǎo dé all days
好德

Dagu Road 大沽路

yán ān zhōng lù shí mén yī lù
延安中路石门一路

hǎo dé
好德

Wèixiāng Zhāi
味香斋

Windows Scoreboard

Weald Outfitters

Wusheng Road 武胜路

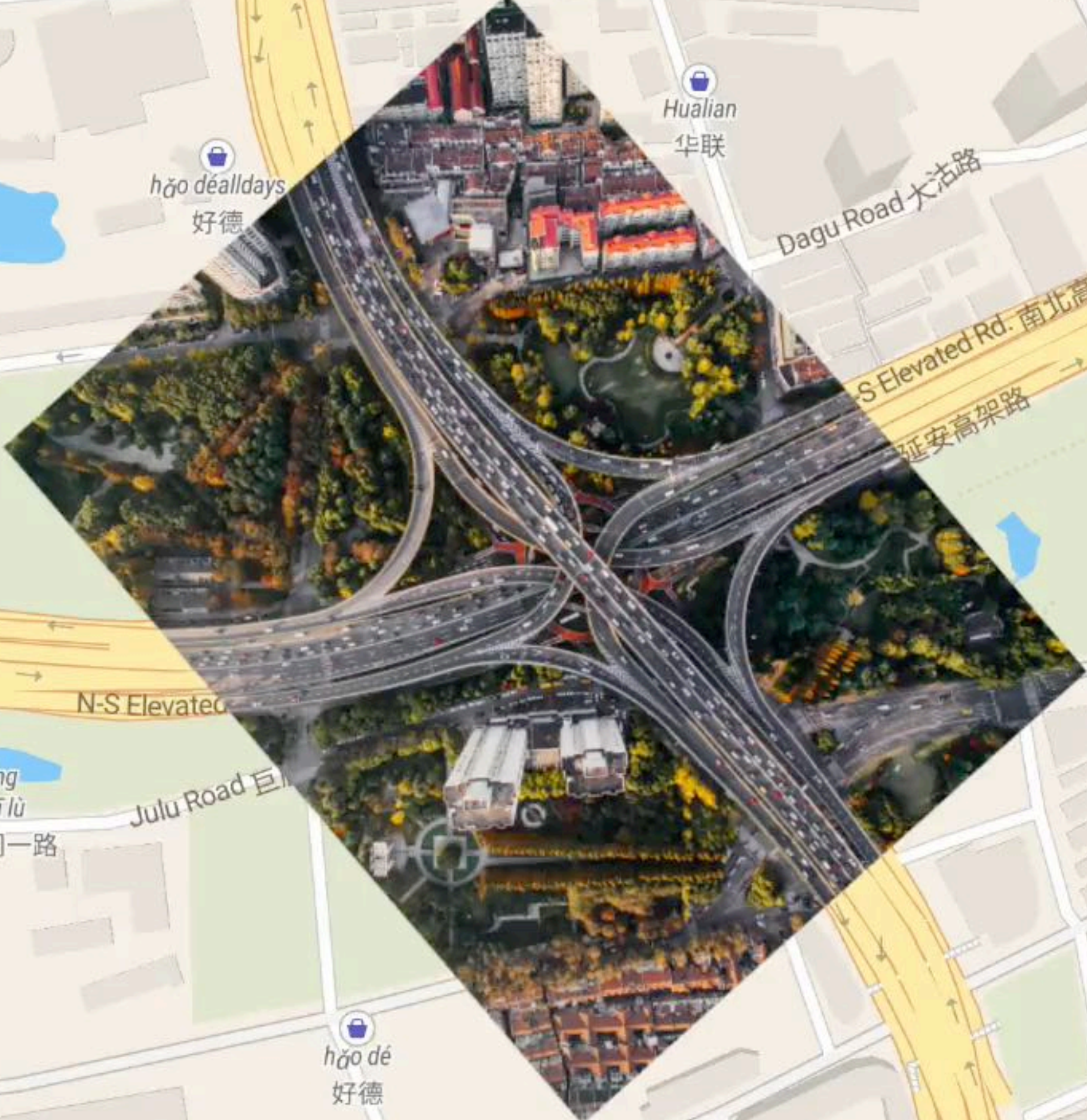
Hualian 华联

Dagu Road 大沽路

S Elevated Rd. 南北高架路

延安高架路

N-S Elevated



Yu Massage

Yanan Elevated Rd. 延安高架路

East Yan'an Rd. 延安东路

Huzhu express line

BĀ XIĀN
八仙

Middle Jinling Rd. 金陵中路

McDonald's

huái hǎi zhōng lù sōng shān lù
淮海中路嵩山路

Songshan Road 崧山路

Huaihai Park 淮海公园

South Huangpi Road 黄陂南路

Xingan Road 兴安路

Taicang Road 太仓路

Taijingiao Park



PURCHASE UPGRADE




Standard Tiles

Spherical Mercator
for GIS & mobile apps



Advanced Tiles

Custom coordinate systems
Geodetic, Baidu, S-JTSK / Krovak
UK Ordnance Survey, Swiss CH1903



Google Earth

KML SuperOverlay & Garmin



Raster Tiles

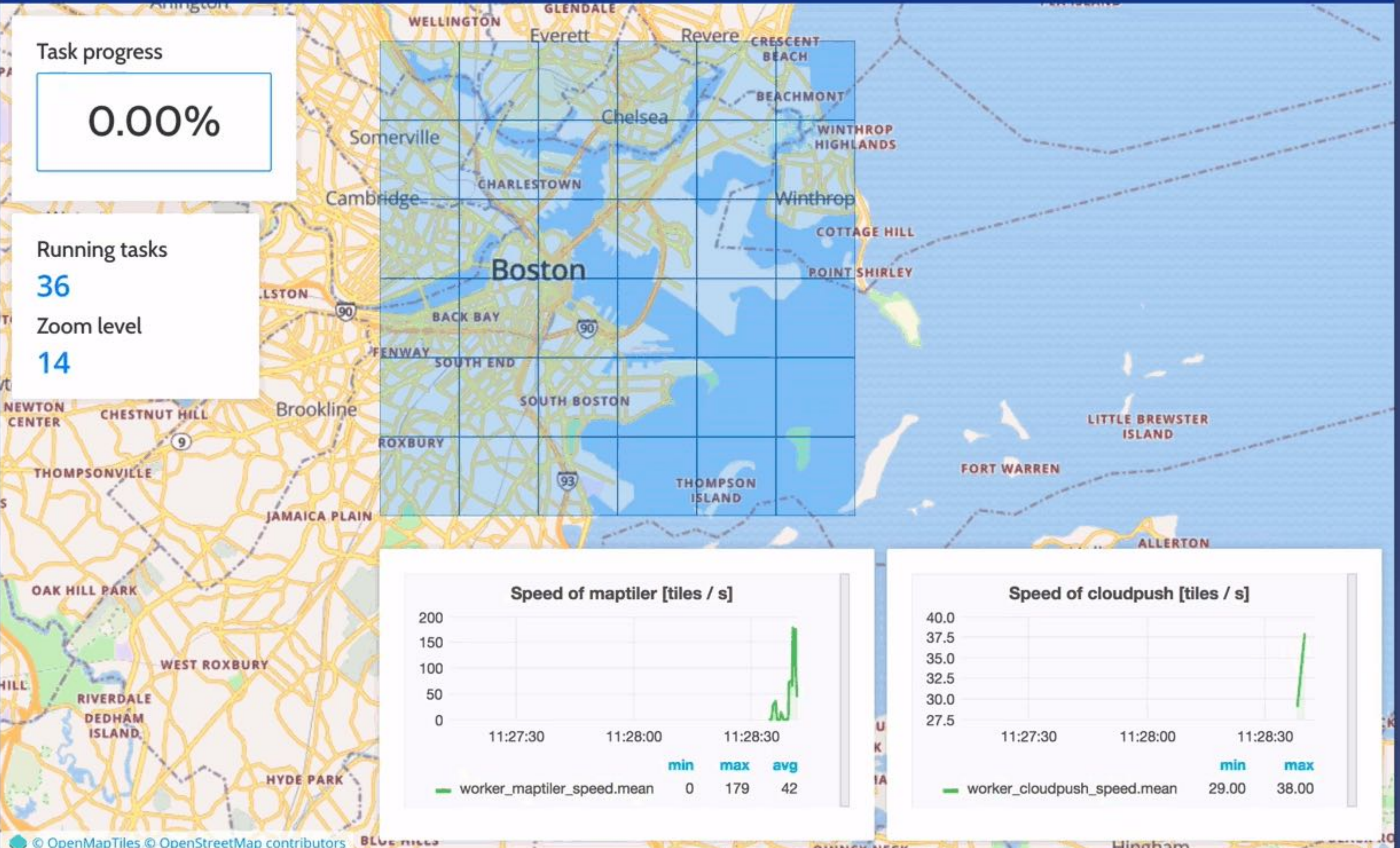
Not georeferenced images

Retina / HiDPI Tiles

GO BACK

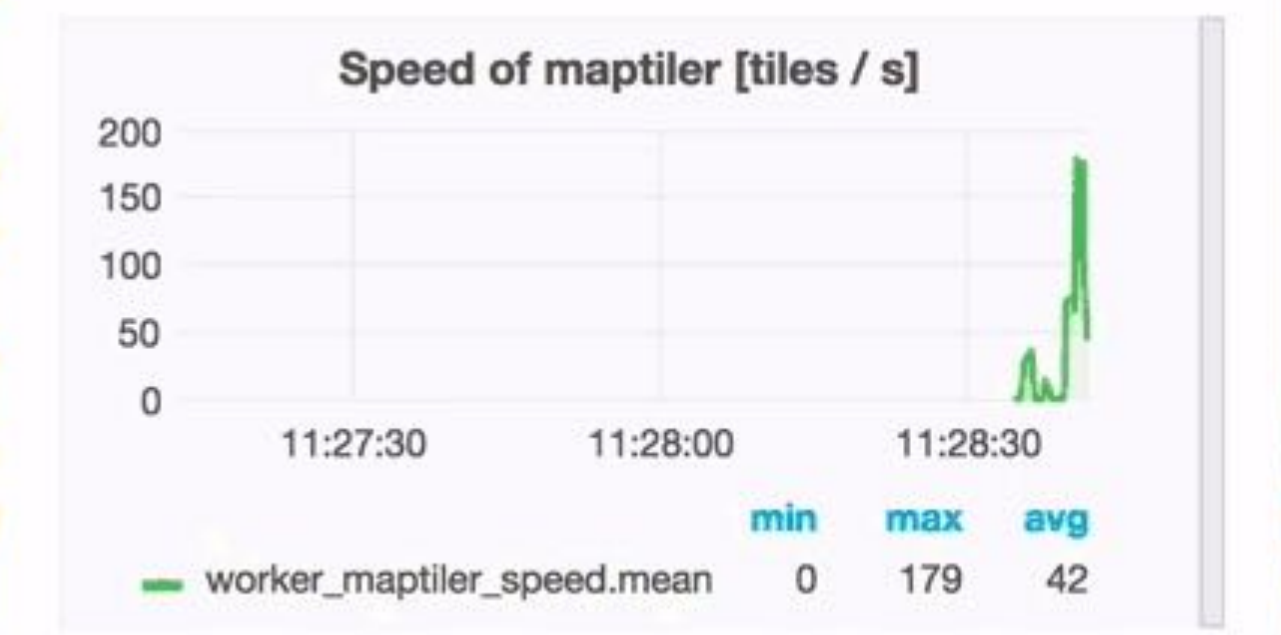
CONTINUE

maptiler CLUSTER



Task progress
0.00%

Running tasks
36
Zoom level
14





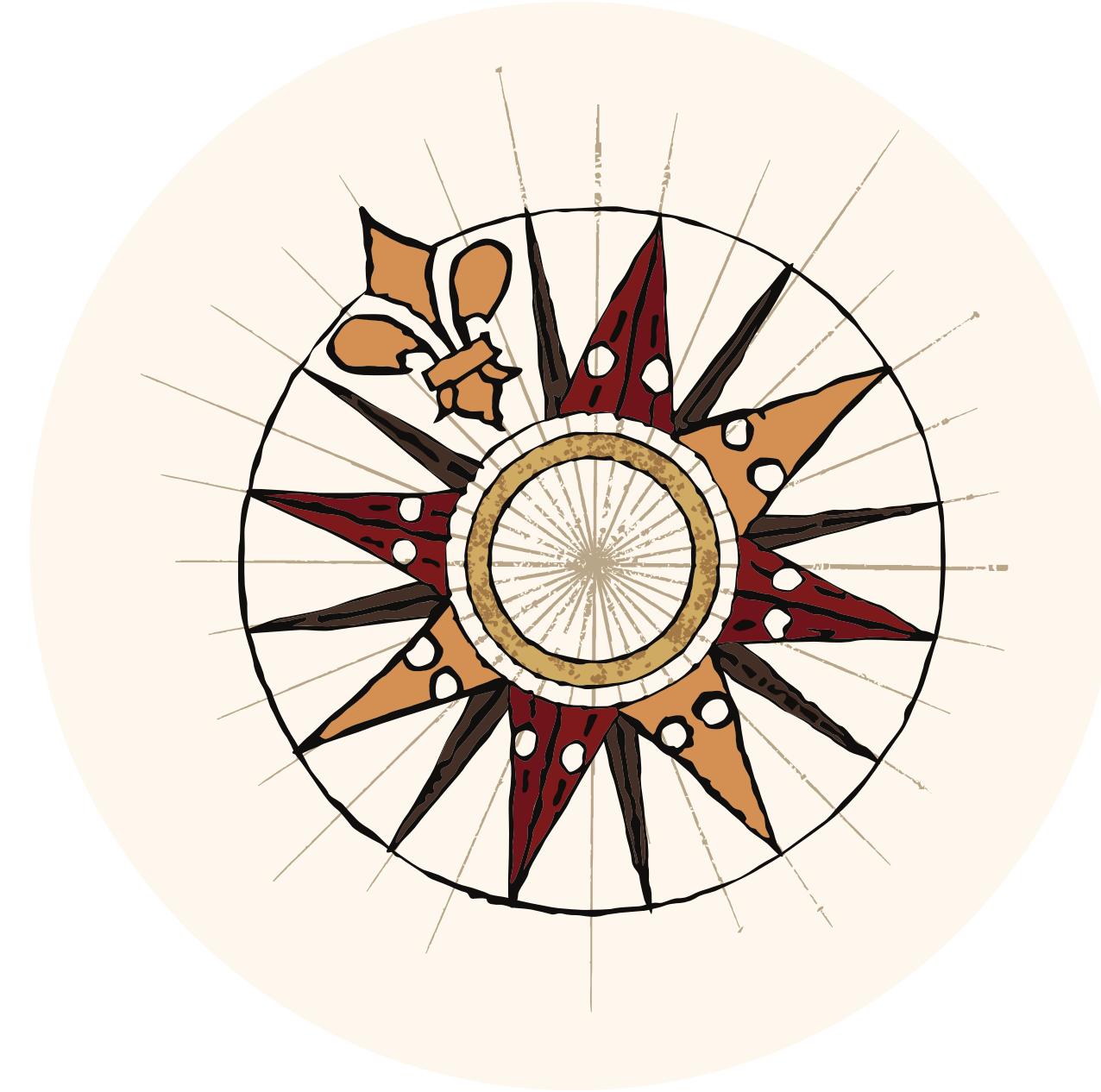
Company story

From cultural heritage to space and EO...

MapTiler.com



OldMapsOnline.org



Old Maps Online



www.oldmapsonline.org



The search engine for historical maps

www.oldmapsonline.org





OLD MAPS ONLINE

Europe

Timeline

Attributes

Search About News Mobile Get involved

Share    

Europe.
Carey, Mathew 1825 1:27 000 000

Europe.
Carey, Mathew 1820 1:28 000 000

Elementary Map.
Melish, John 1820 1:26 611 200

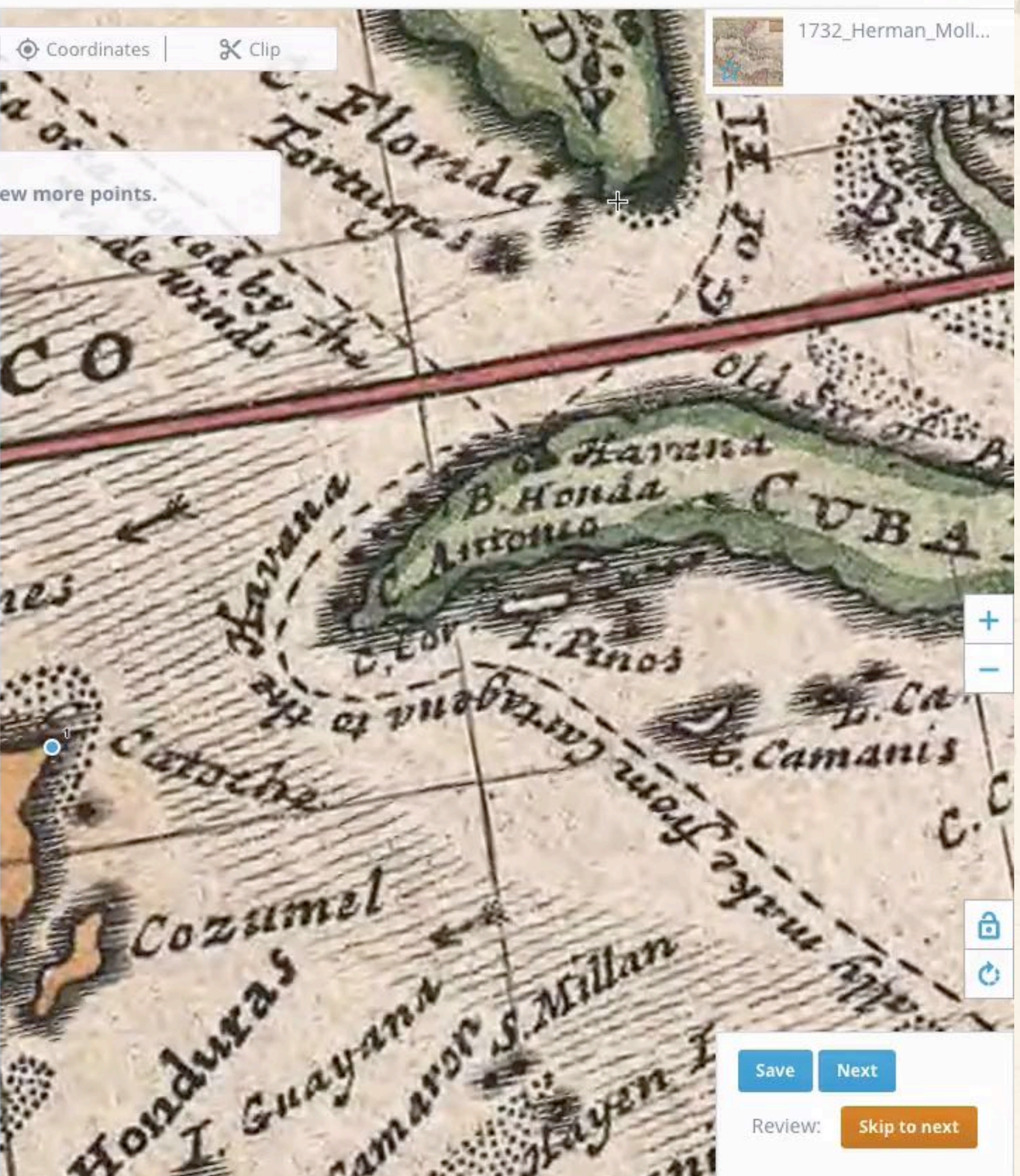
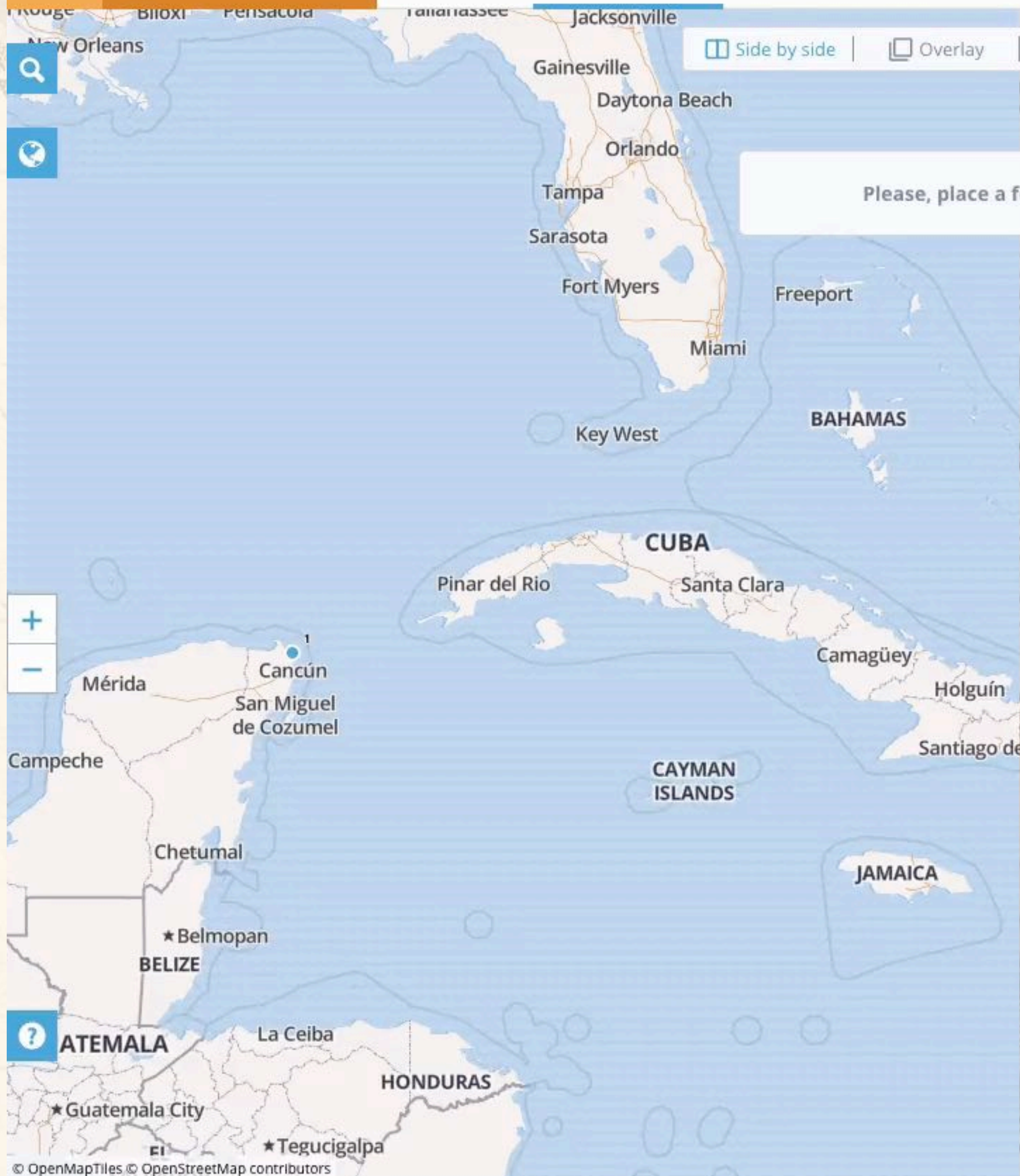
Verbreitung der Mammalia od...
Berghaus, Heinrich 1844 1:15 000 000

Europe.
Melish, John 1820 1:20 275 200

Versuch Einer Ubersicht Der G...
Berghaus, Heinrich 1849

Europa.
Brudin, J. L.; Stieler, Adolf 1852 1:50 000

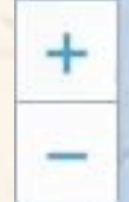
www.oldmapsonline.org



Side by side Overlay Coordinates Clip

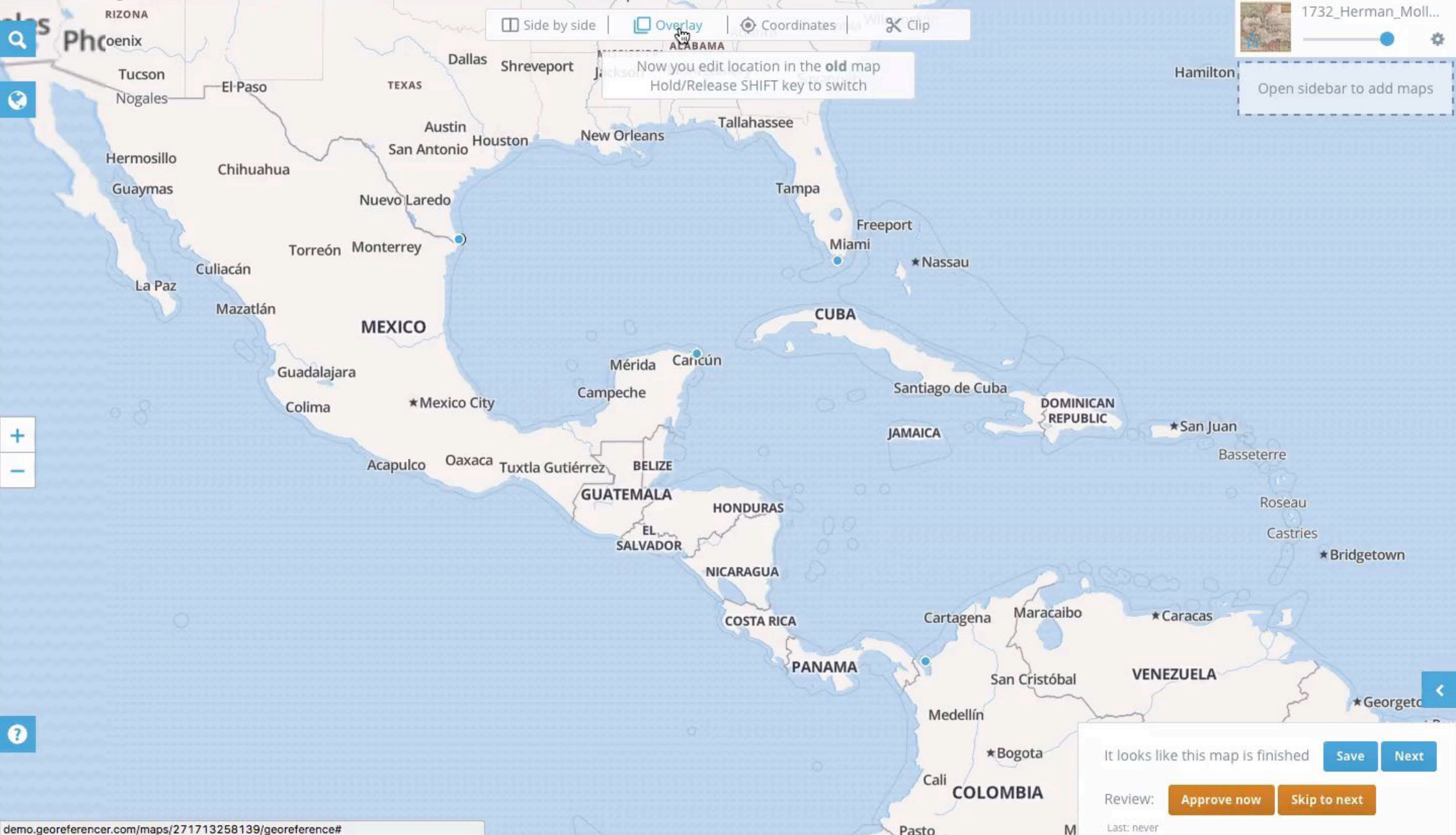
1732_Herman_Moll...

Please, place a few more points.



Save Next

Review: Skip to next



Side by side Overlay Coordinates Clip

Now you edit location in the old map Hold/Release SHIFT key to switch

1732_Herman_Moll...
Open sidebar to add maps

It looks like this map is finished Save Next
Review: Approve now Skip to next
Last: never

Search...

Map navigation controls: +, -, up/down arrows, 3D, and a menu icon.

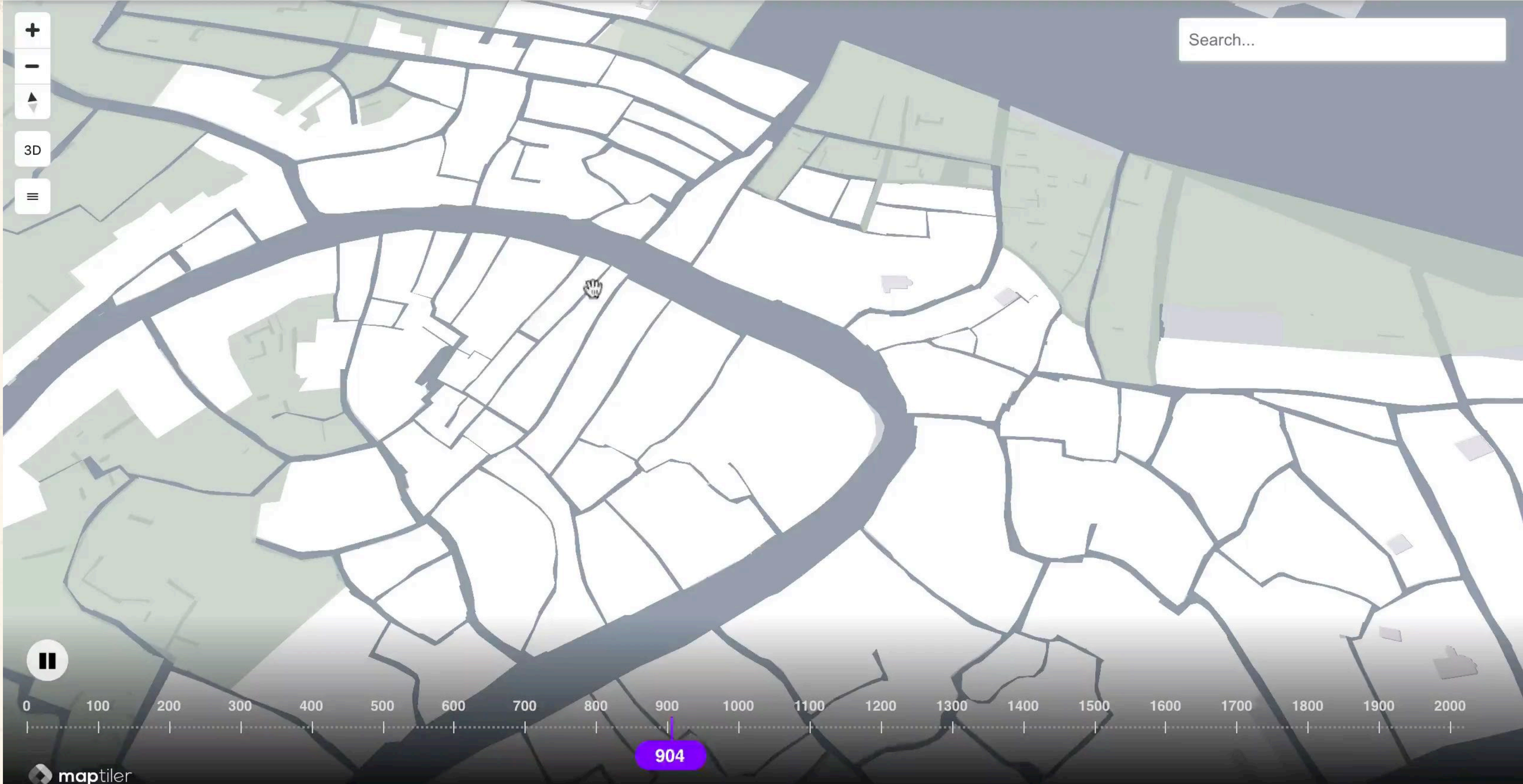


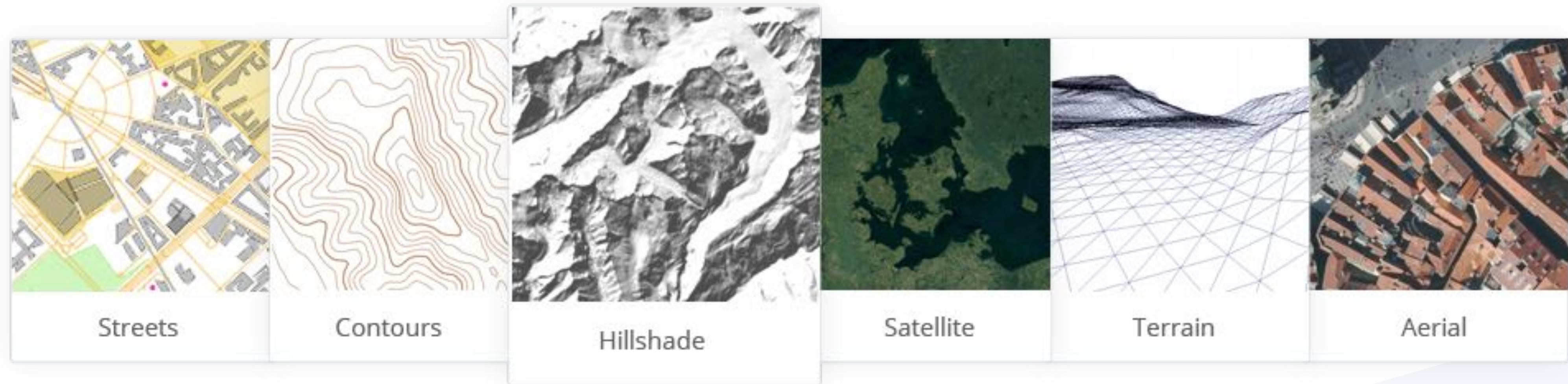
0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

2018

Search...

Map navigation controls: zoom in (+), zoom out (-), pan (arrow), 3D view, and menu (hamburger icon).





Let's build great maps together...

www.maptiler.com



Revolution in web cartography.
Powered by Copernicus open data!

www.maptiler.com