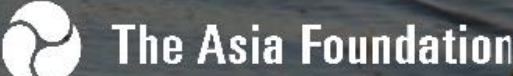




# Mekong Infrastructure Tracker



ACEF Side Event  
Stimson Center



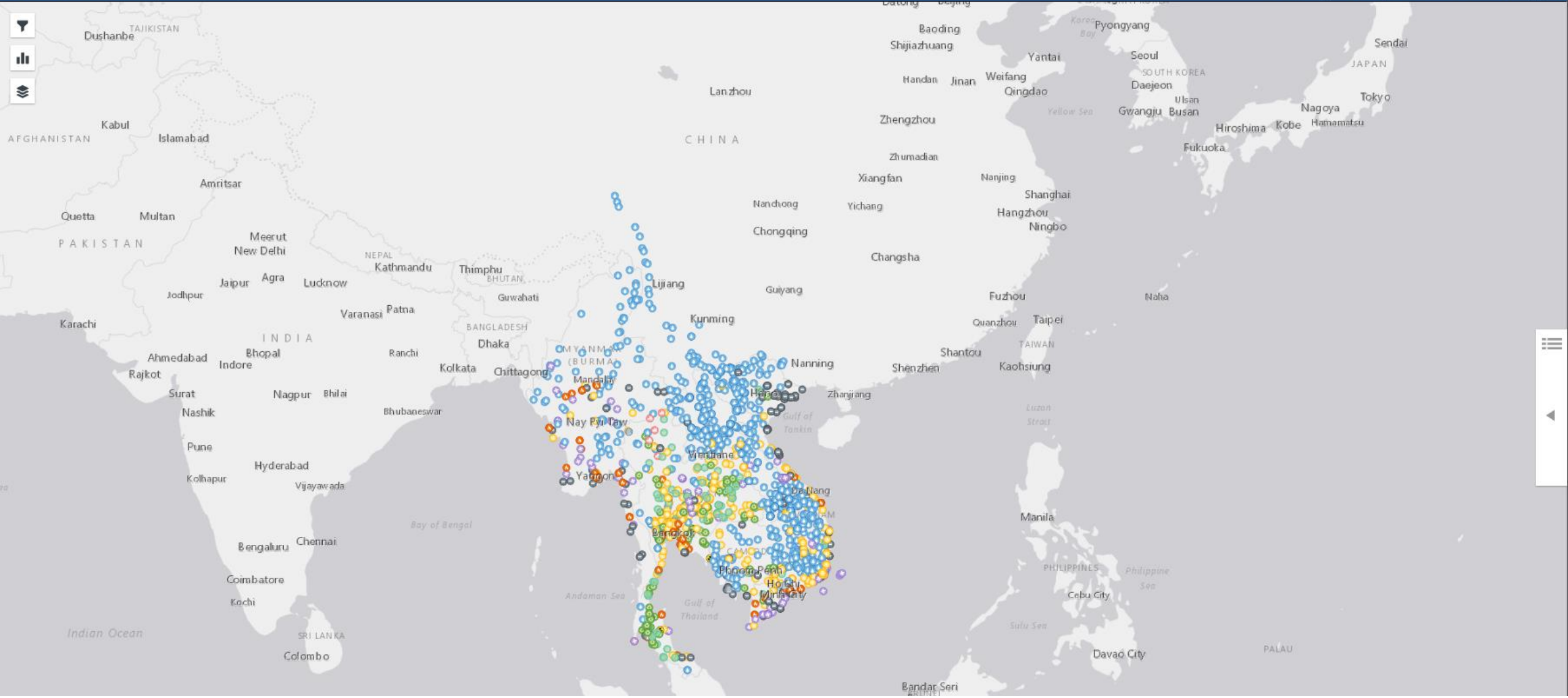
STIMSON



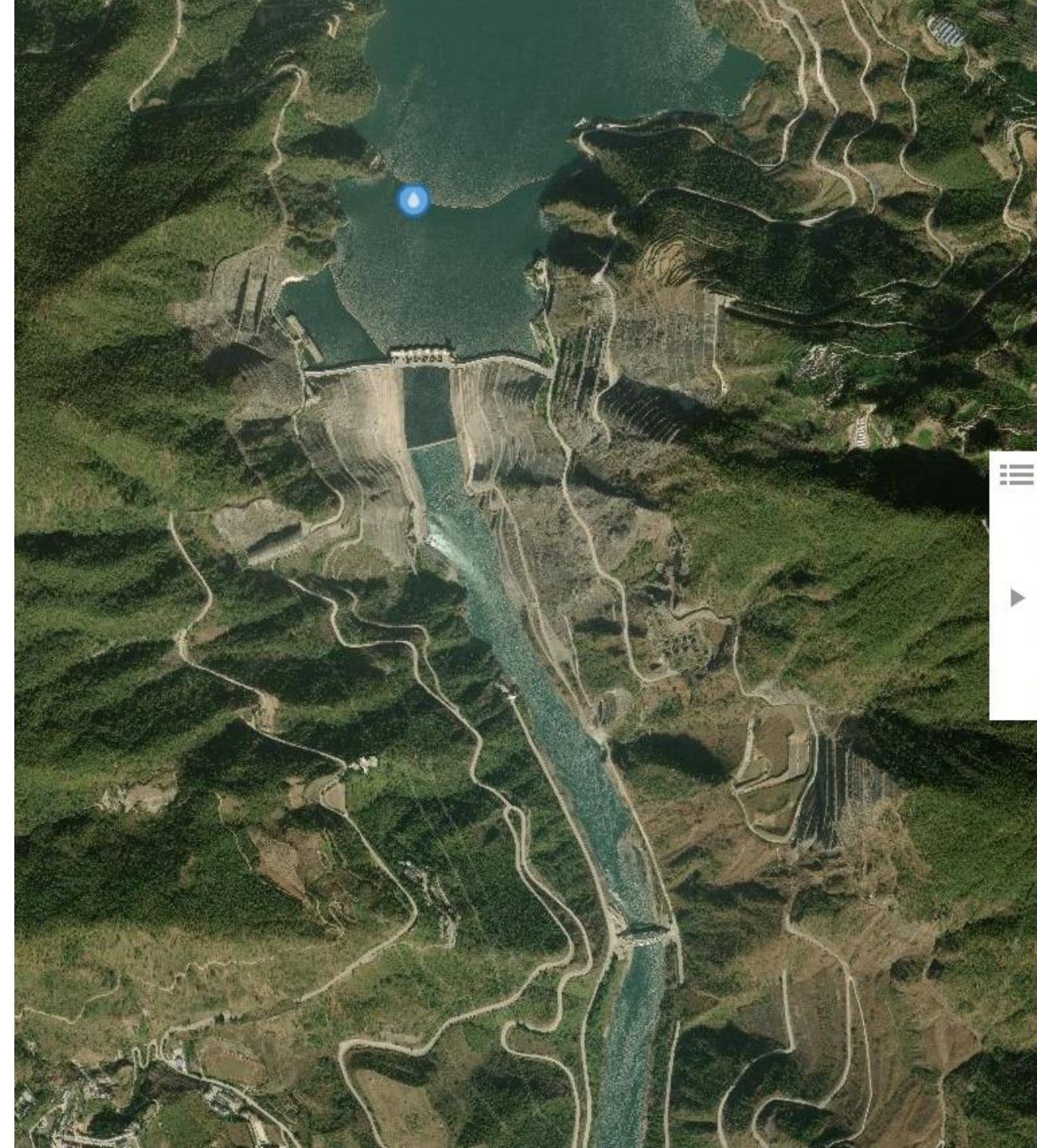
# Mekong Infrastructure Tracker Dashboard

POWER GENERATION | ROAD, RAIL, AND WATERWAYS | INDUSTRIAL SPACES

[Submit Project Data](#) | [Overview and Methodology](#)







## Info Listing

### Xiaowan

Hydro

Operational

▼ Info

Capacity (MWh)	4200
Year of completion	2010
Cost (million USD)	-
Country list of sponsor/developer/owner	China
Sponsor/developer/owner	Huaneng Lancang Hydropower Co Ltd
Country list of lender/financier	China
Lender/financier	-
Country list of construction company/EPC participant	China
Construction company/EPC participant	China Huaneng Group; PowerChina
Country	Southwest China Transboundary Projects
Province/State/Municipality	Yunnan
Locality/District	Lincang
Watershed	Mekong-Lancang
Tributary	Mekong Mainstem - China
Latitude	24.70855
Longitude	100.0909
Proximity	-
Avg annual output (MWh)	-
Capacity factor (%)	-
Data Source	RCC Dams
Announcements/more information	-
Link	<a href="https://en.wikipedia.org/wiki/Xiaowan_Dam">https://en.wikipedia.org/wiki/Xiaowan_Dam</a>
Latest Update	-







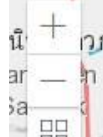
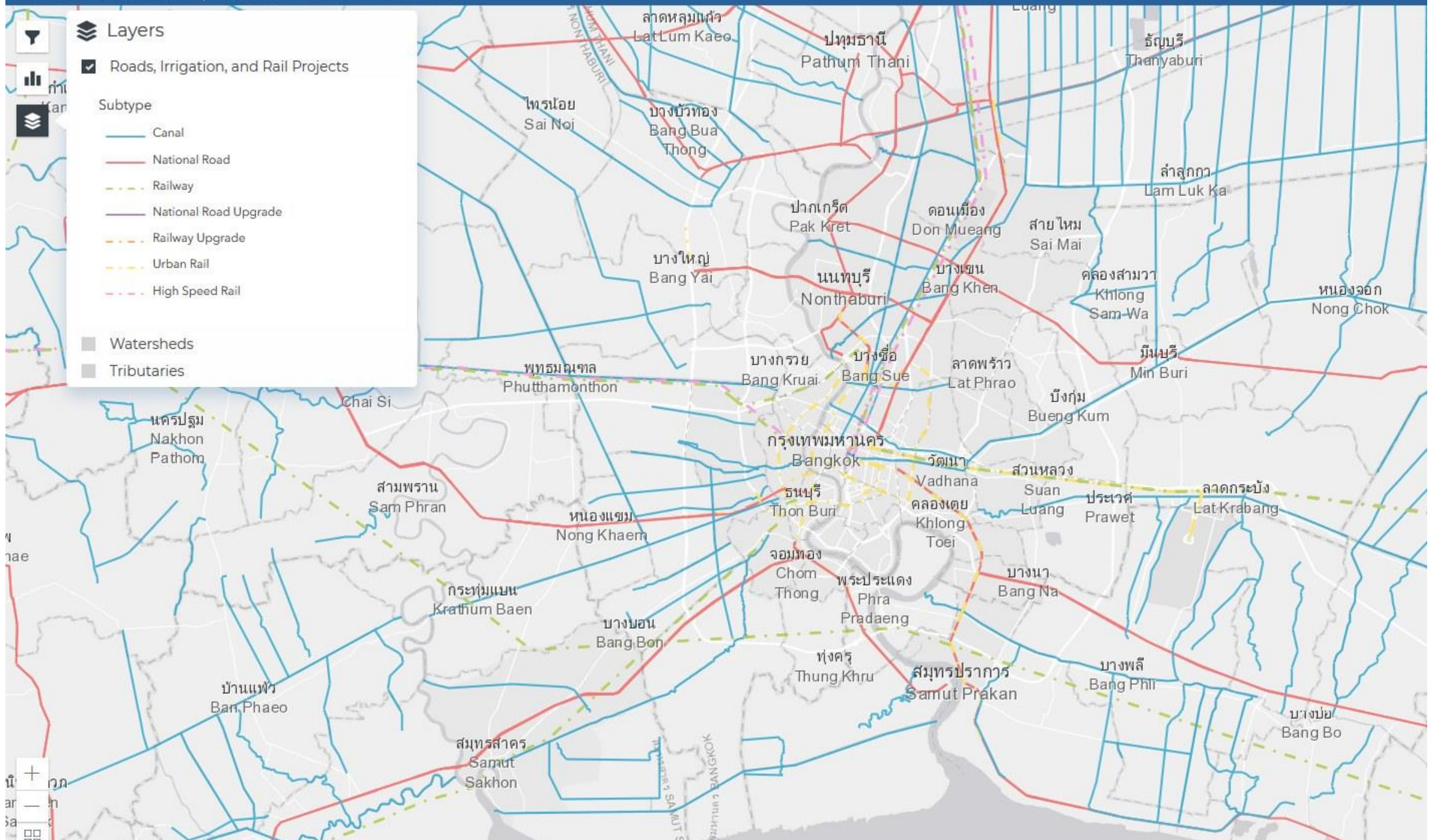
Layers

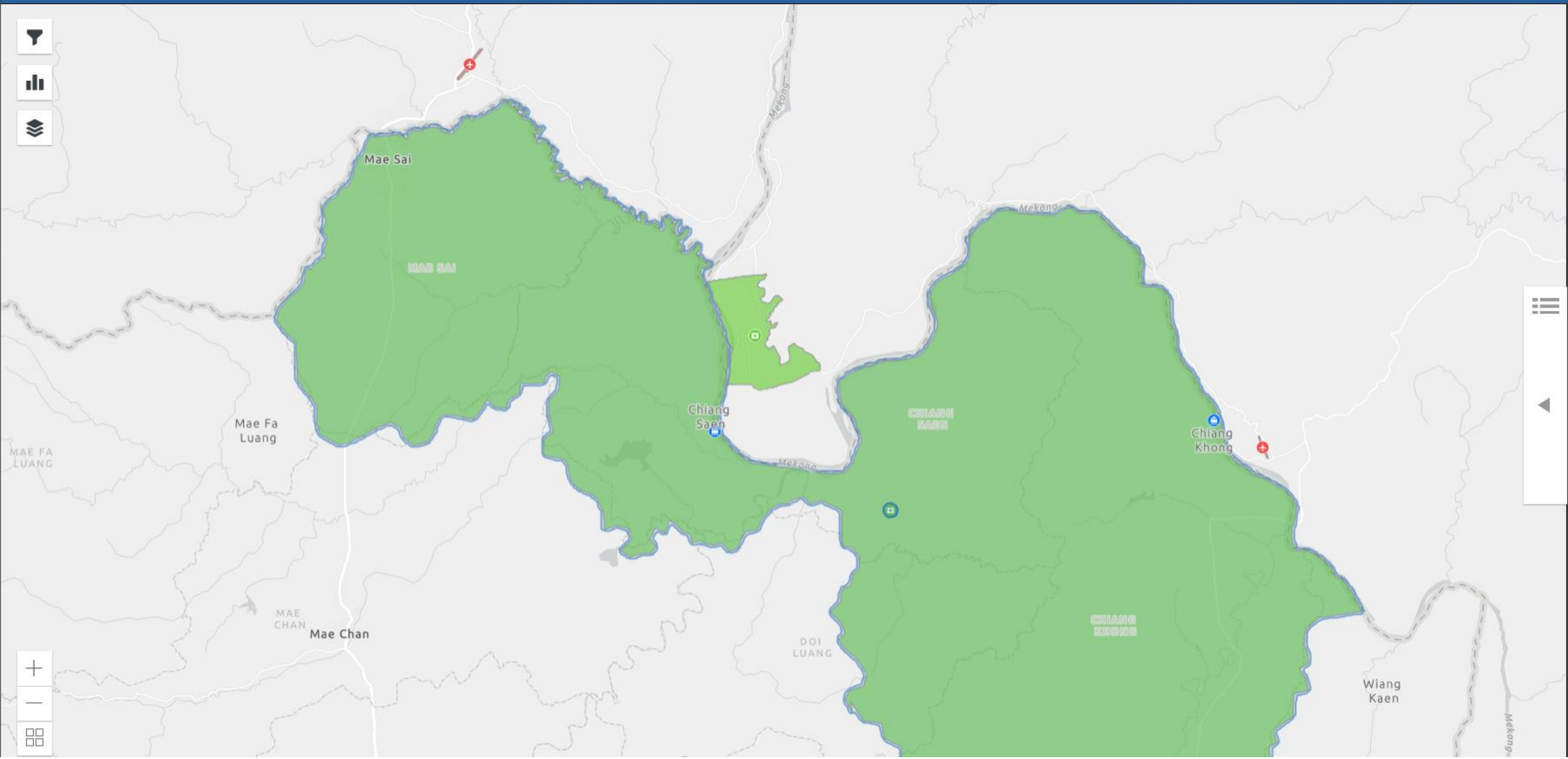
Roads, Irrigation, and Rail Projects

Subtype

-  Canal
-  National Road
-  Railway
-  National Road Upgrade
-  Railway Upgrade
-  Urban Rail
-  High Speed Rail

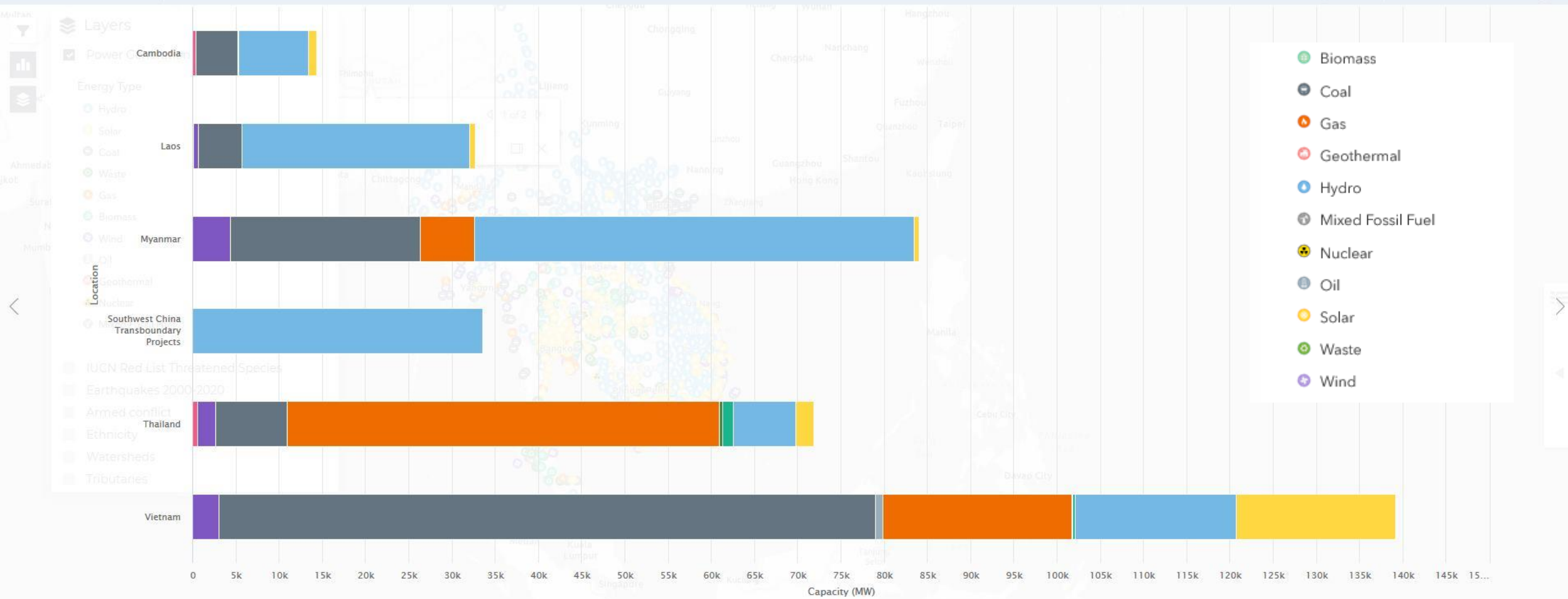
-  Watersheds
-  Tributaries



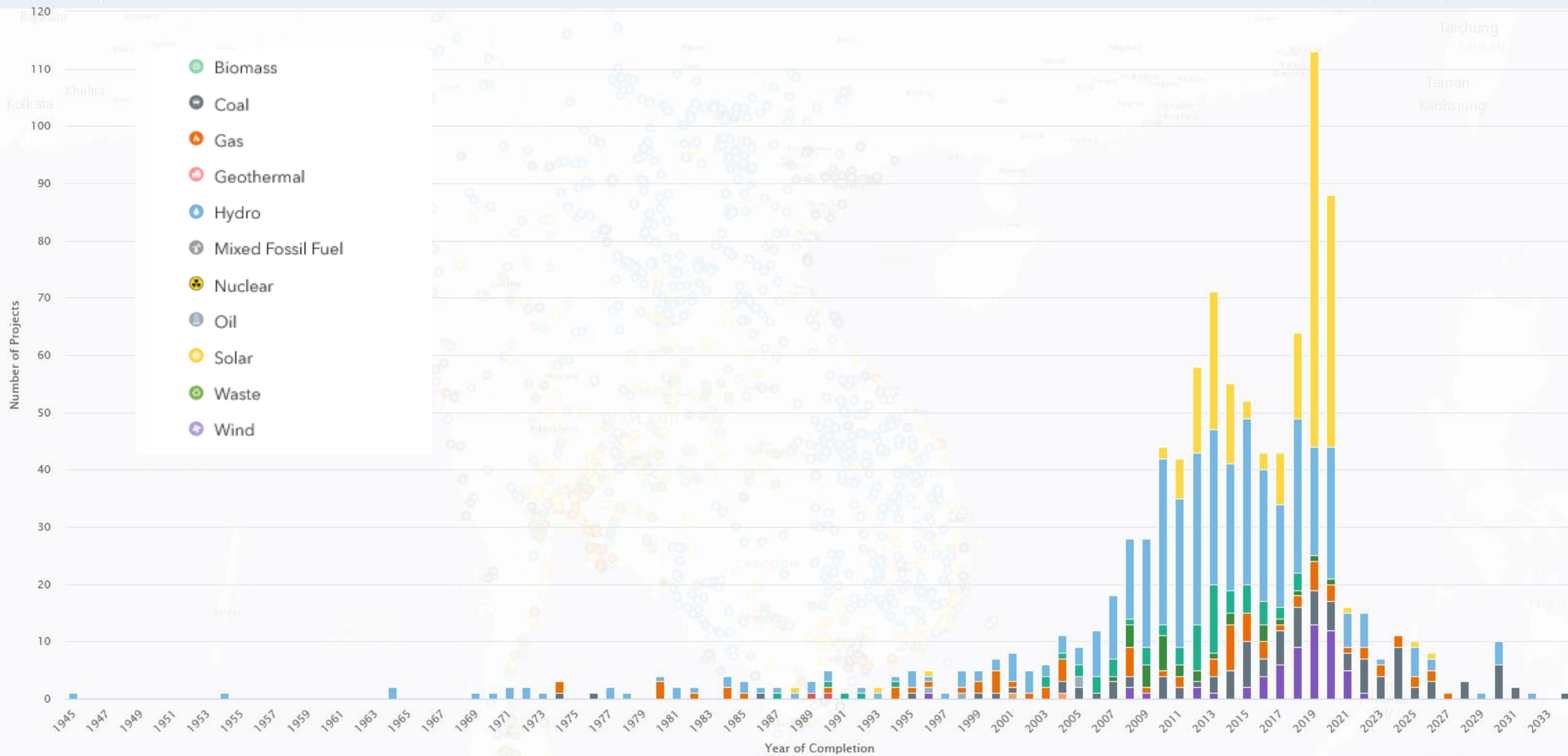




### Capacity (MW) by Location and Energy Type

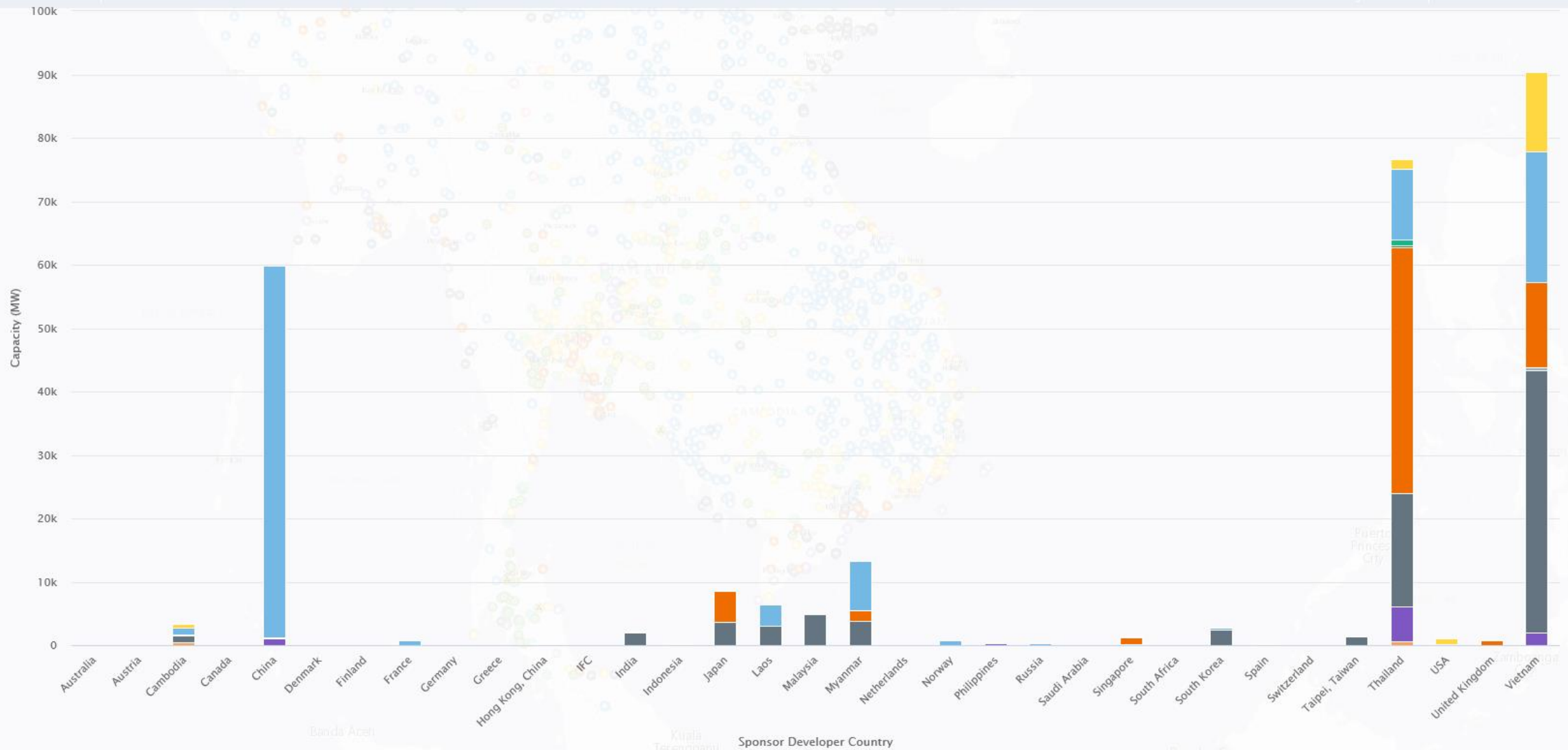


### Number of Projects by Year of Completion and Energy Type



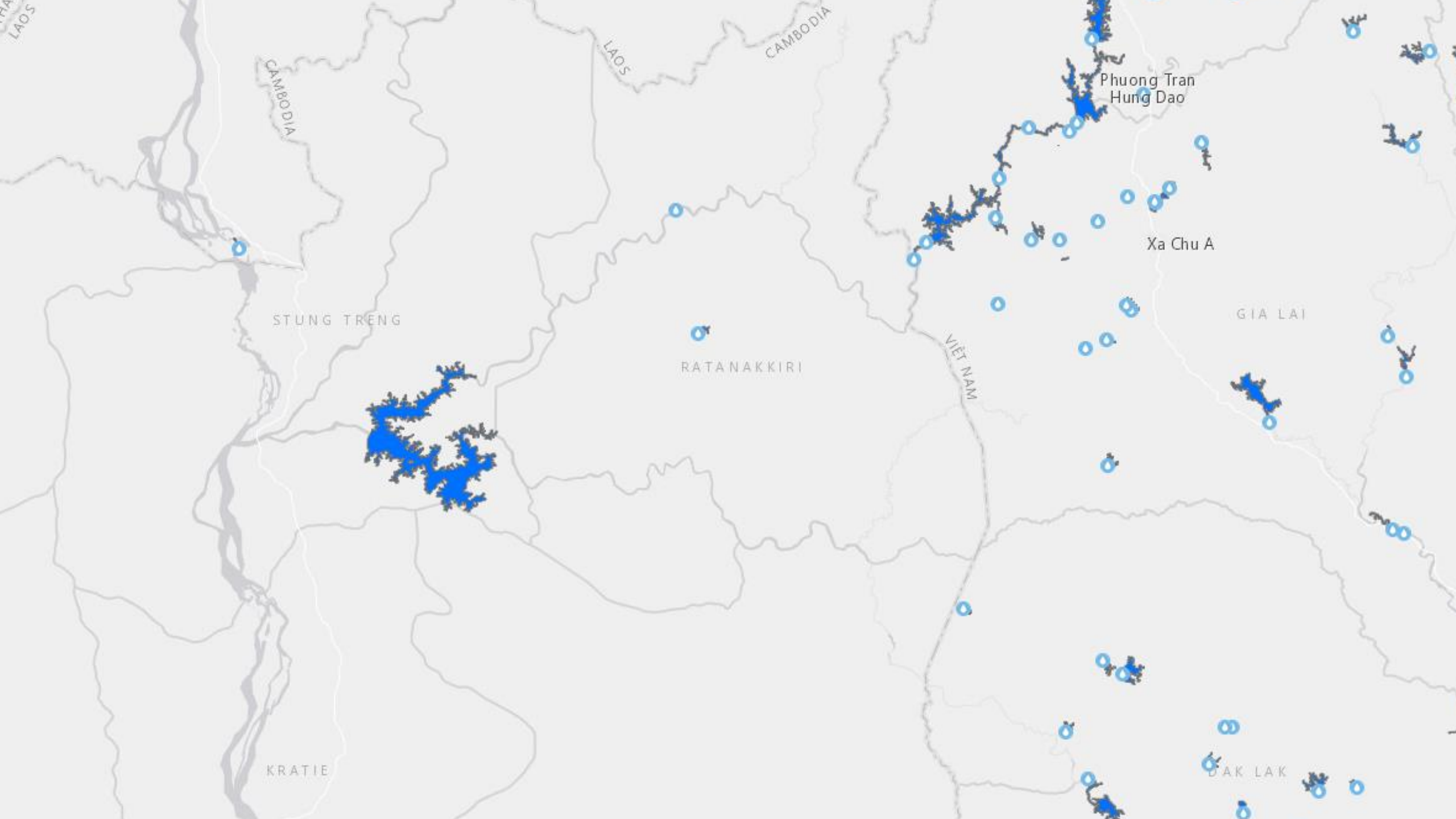
Capacity (MW) by Sponsor Developer Country and Energy Type

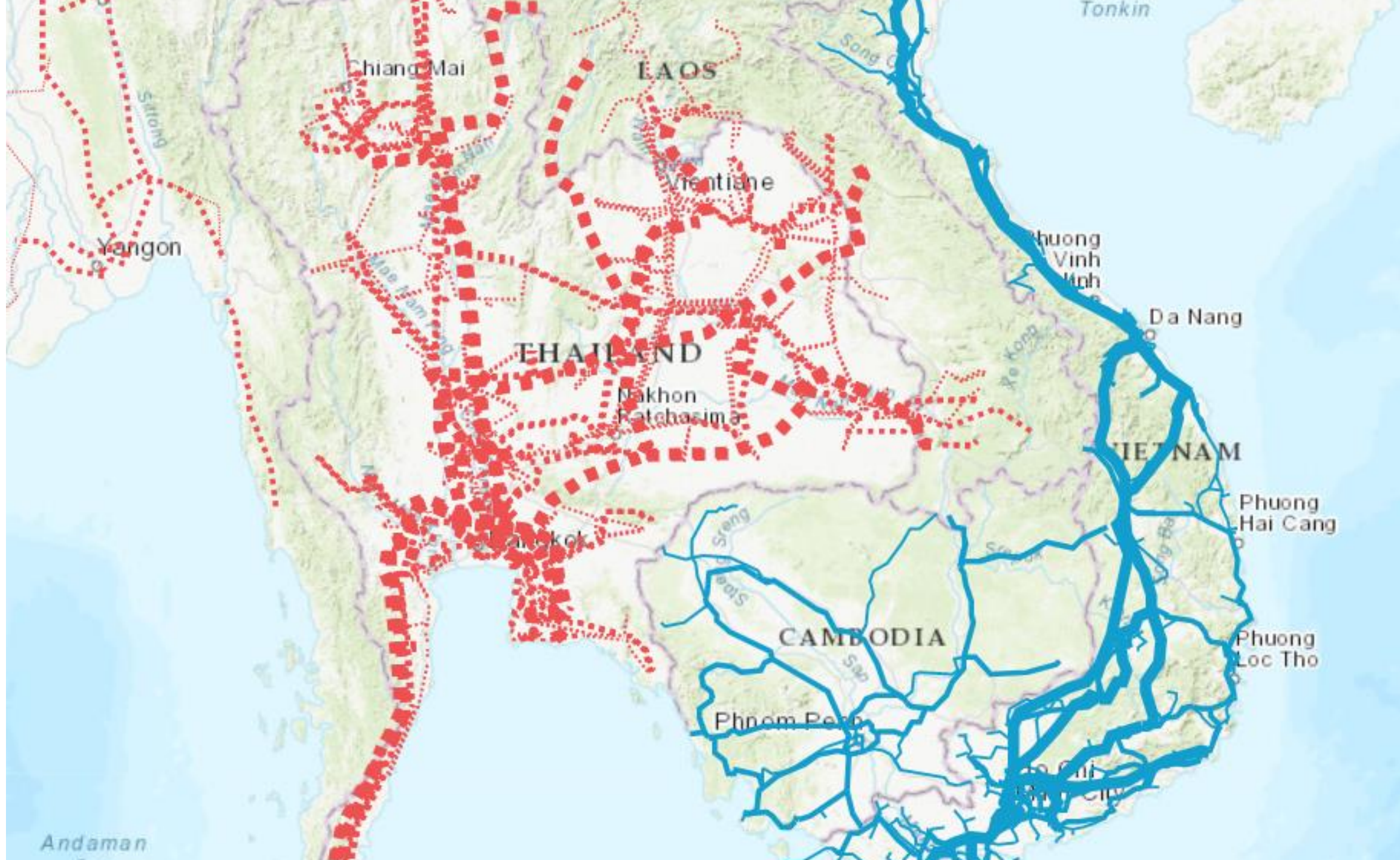
Submit Project Data | Overview and Methodology



Mekong Infrastructure Tracker curated by the Stimson Center and supported by USAID & The Asia Foundation, June 25, 2020









Area of Interest 

Draw Shapefile Coordinates

Select draw mode



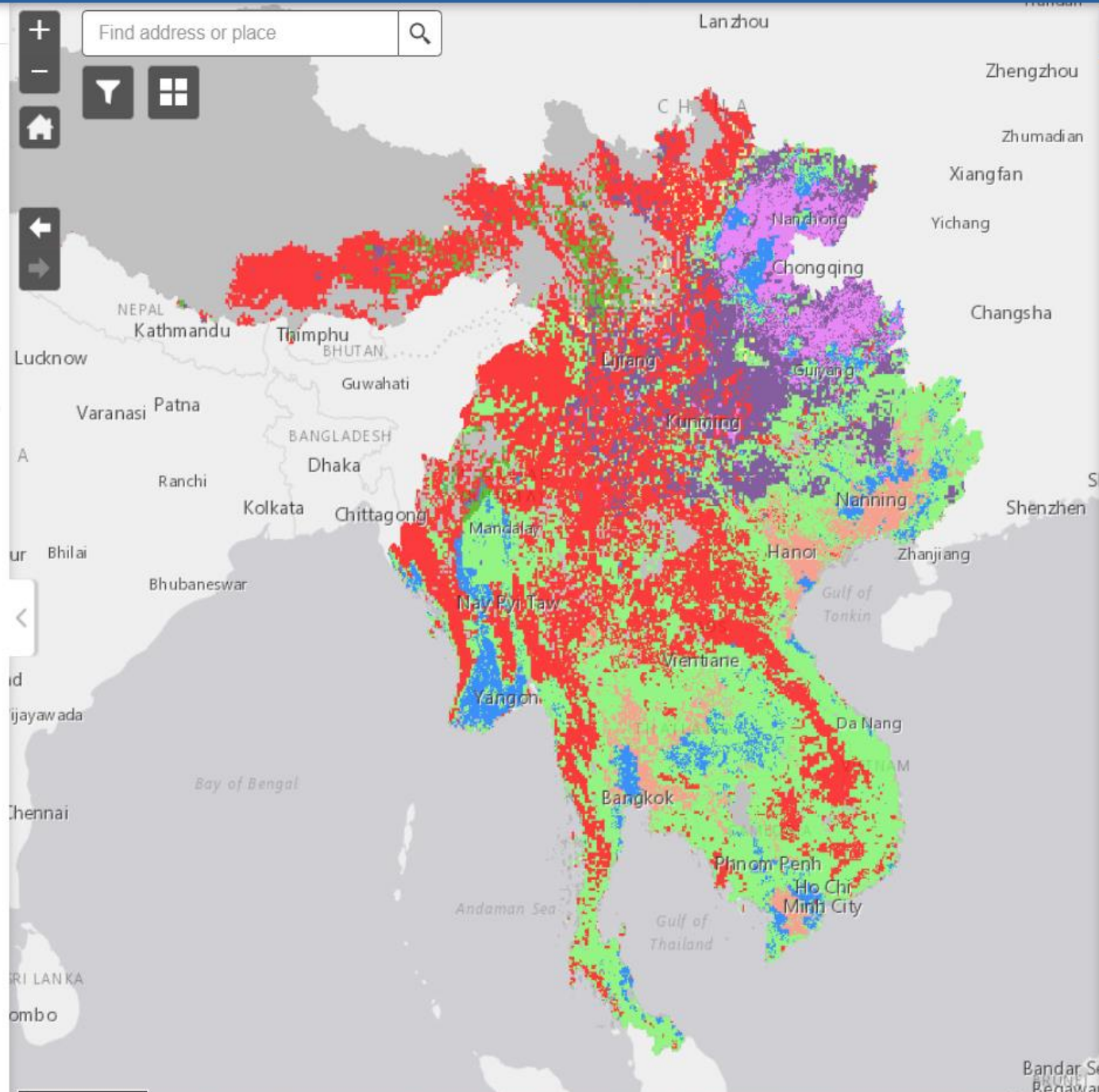
Buffer distance (optional)

Show results within

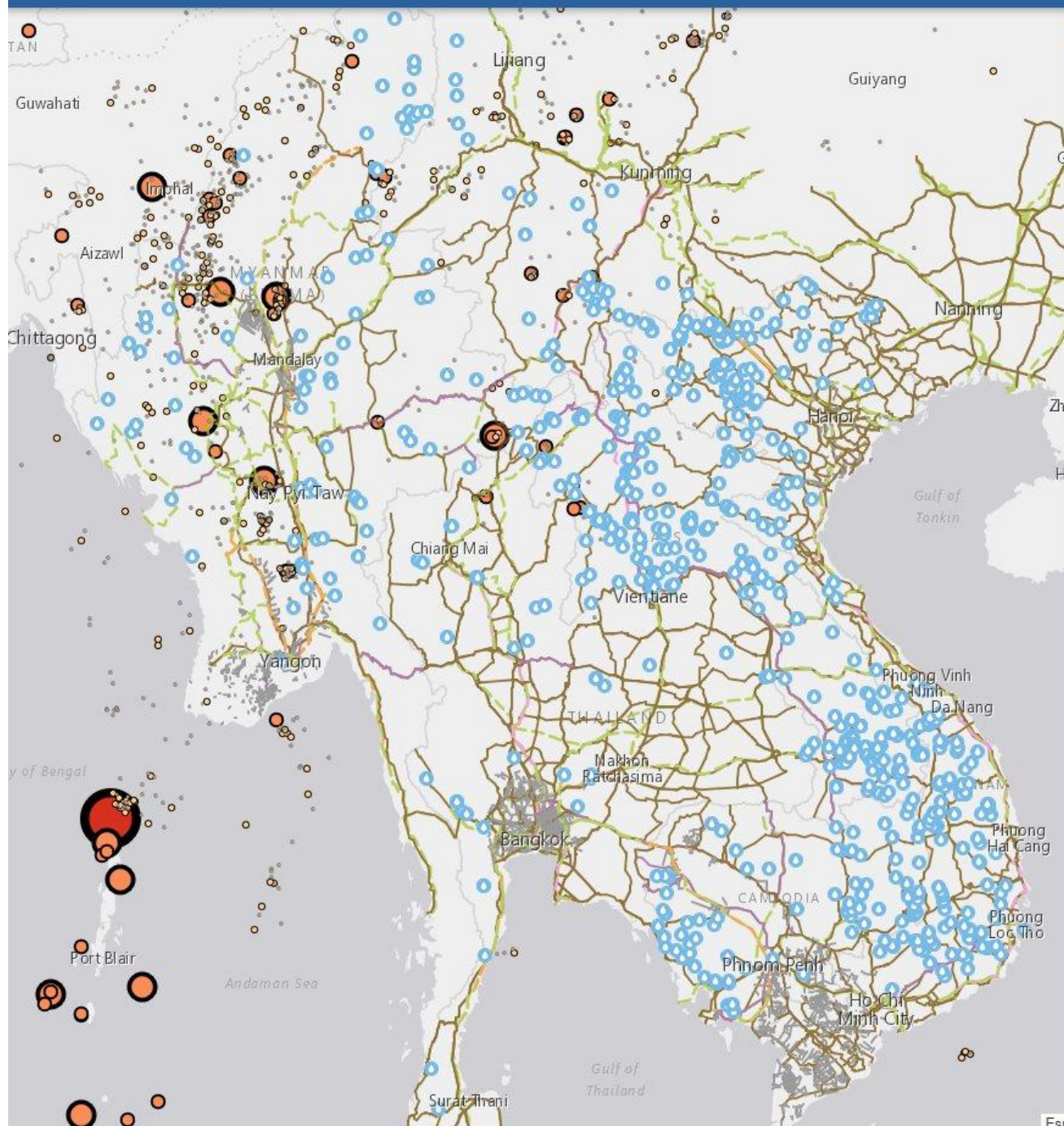
 Miles

Report

Start Over

Legend 

- Crop dominance (1 km)**
- Crop dominance (1 km)
- Wheat/rice (Irrigated)
  - Wheat/rice/barley/soybeans (Irrigated mixed crops)
  - Wheat/rice/cotton/orchards (Irrigated mixed crops)
  - Wheat/rice/soybeans/sugarcane/corn/cassava (Rainfed)
  - Wheat/barley (Rainfed)
  - Corn/soybeans (Rainfed)
  - Wheat/corn/rice/barley/soybeans (Rainfed mixed crops)
  - Wheat/corn/rice/barley/soybeans (Fractions of mixed crops)
  - Non-cropland



### Layer List

Layers

- Energy Infrastructure
- Linear Infrastructure
- Mekong WDPAs Polygons
- IUCN Red List Threatened Species
- Mekong Key Biodiversity Areas (KBAs)
- Armed conflict
- Ethnic Groups
- Major Earthquakes (2000 - 2020)

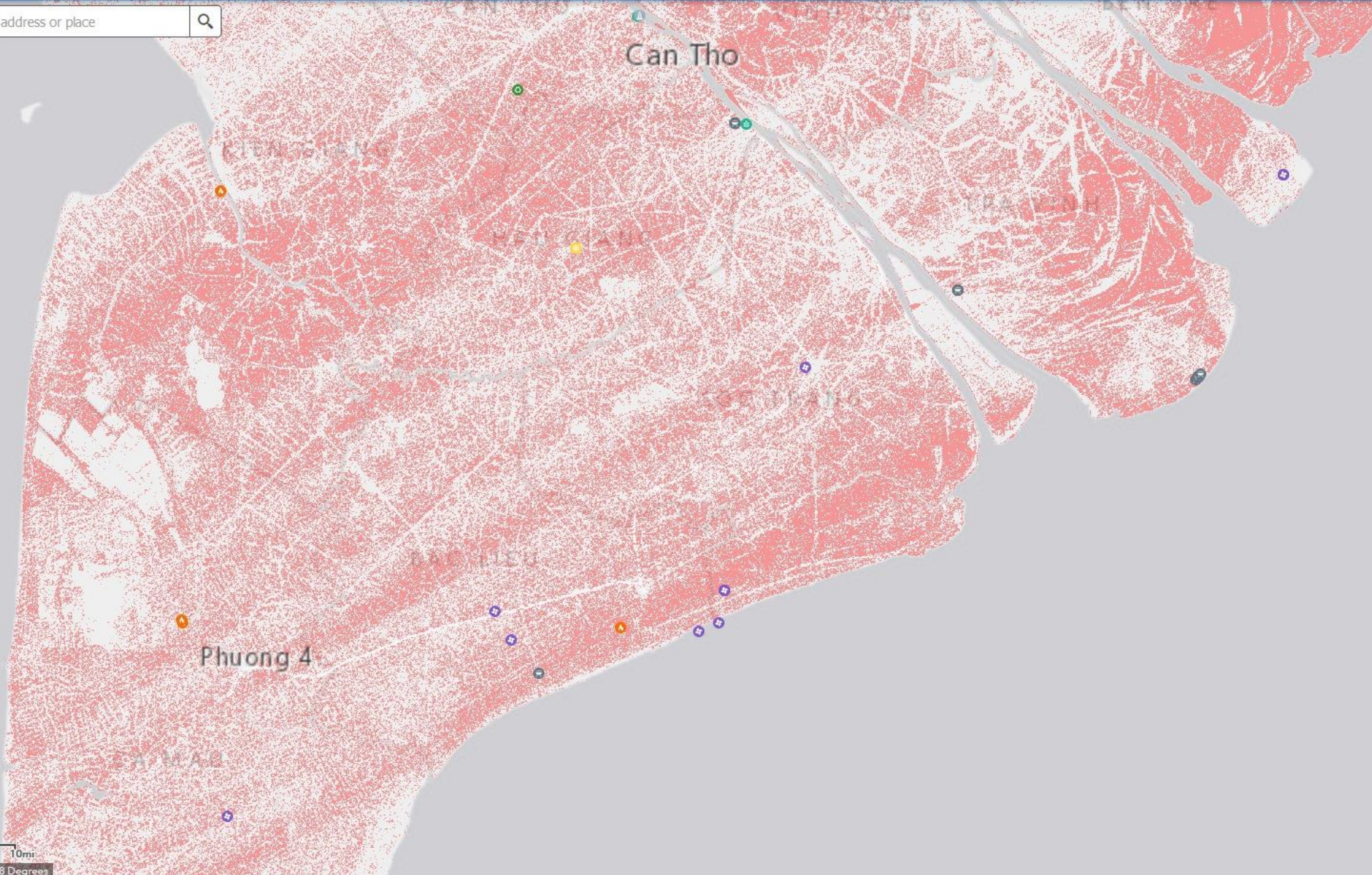
Magnitude

- ≤9.100000
- ≤7.100000
- ≤6.400000
- ≤5.600000
- ≤4.800000

- Population Density (Worldpop)
- Crop dominance (1 km)
- Forest Loss (2000 - 2018)
- Tree Cover, 2000 (GFW)
- Sea Level Rise (1m, SRTM)
- Sea Level Rise (2m, SRTM)
- Sea Level Rise (1m, CoastalDEM)
- Sea Level Rise (2m, CoastalDEM)



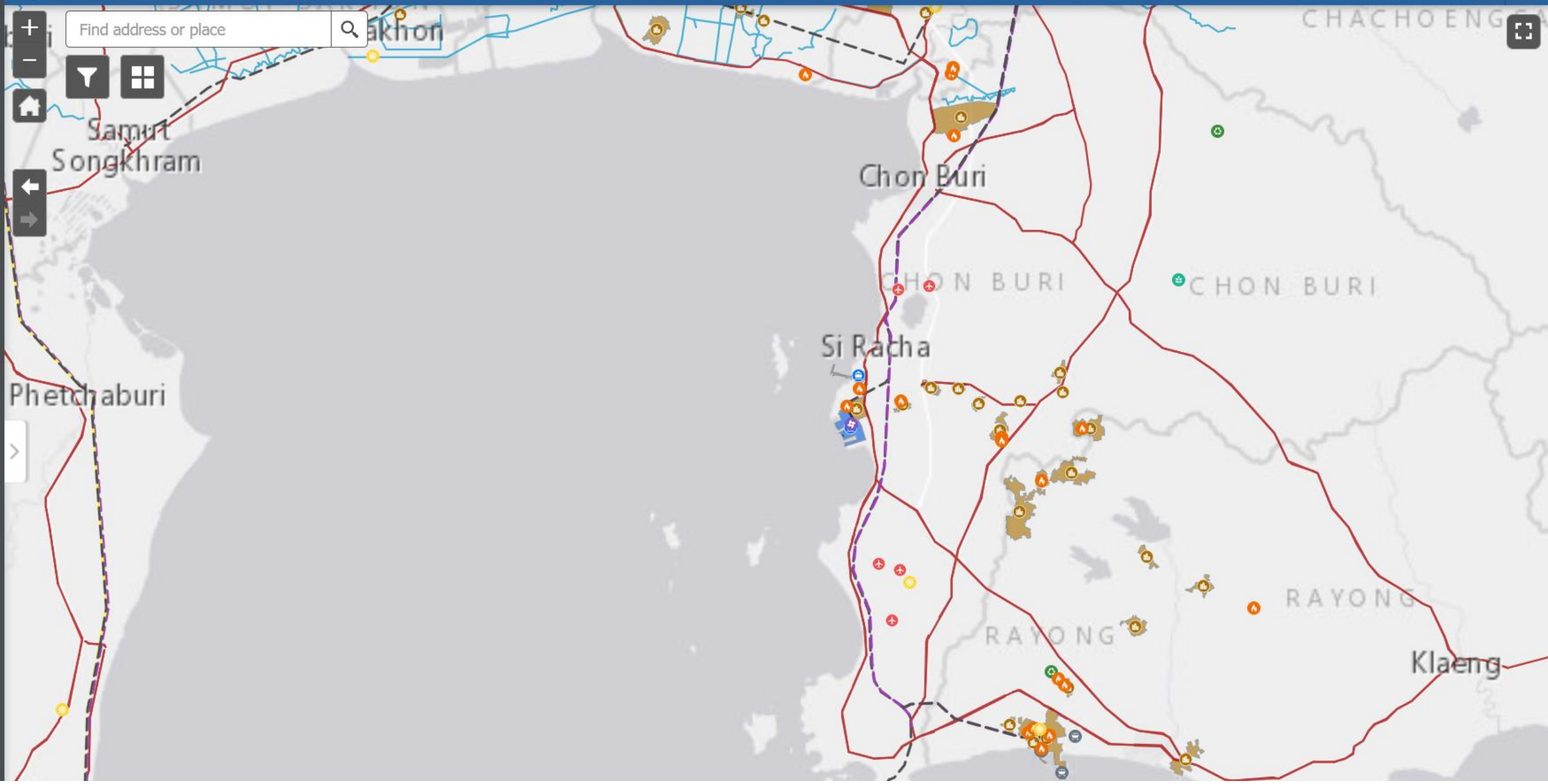
Find address or place



Layer List

- Energy Infrastructure
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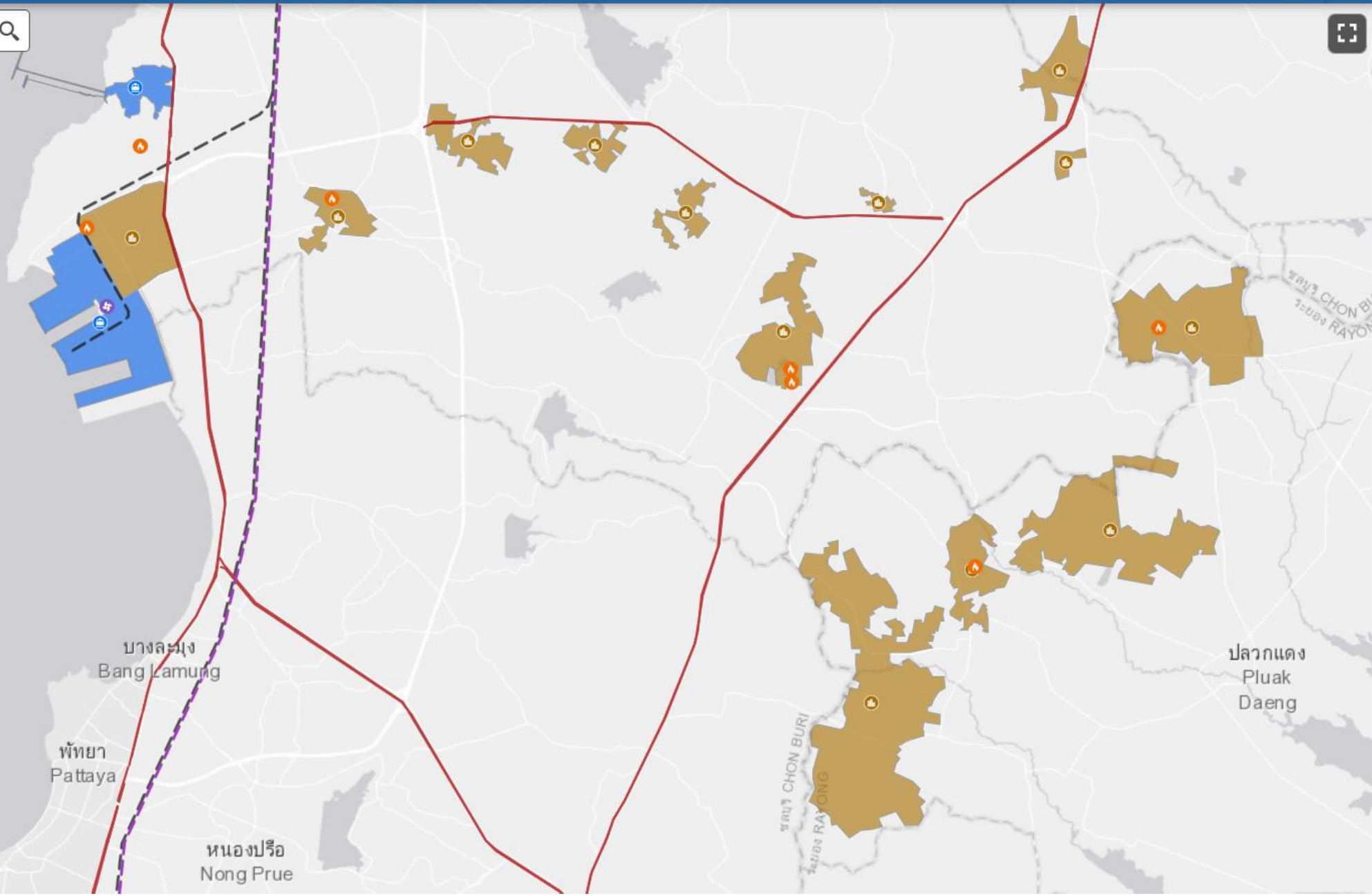




Find address or place



Gulf Of Thailand



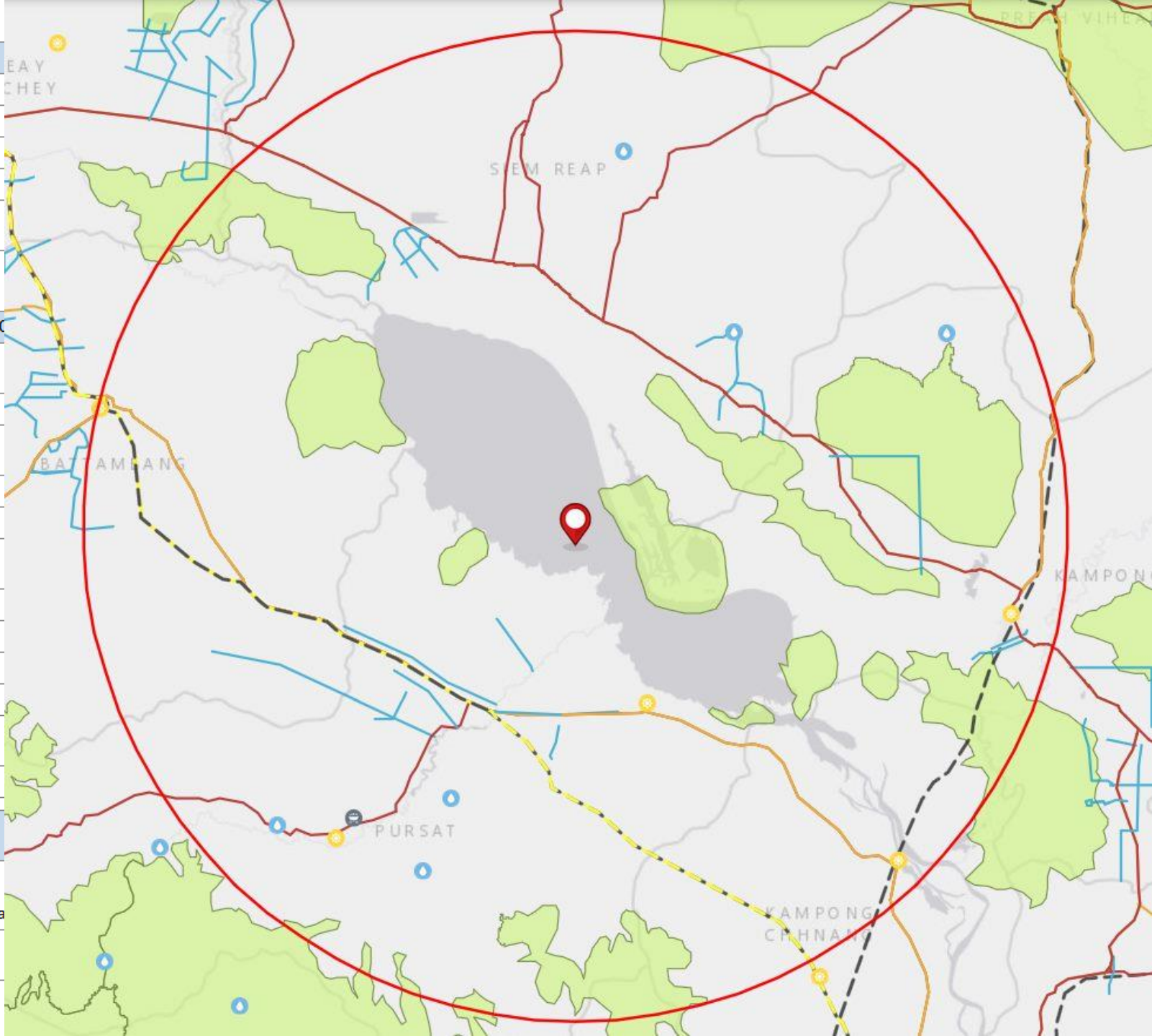
## Summary

Name	Count	Area(ft <sup>2</sup> )
Power Generating Infrastructure	12	N/A
Linear Infrastructure	33	N/A
WDPA Protected Areas	12	85,562,436,557.12
Threatened Species	3	525,726,447,458.76
Major earthquakes, 2000 - 2020 (>4.5 mag)	0	N/A

## Power Generating Infrastructure

#	Project Name	Type of Project	Current Status	Year of C
1	Kampong Chhnang 60 MW Solar (SchneiTec)	Solar	Planned	No Data
2	Stung Pursat IV	Hydro	Planned	No Data
3	National Solar Park Project	Solar	Planned	No Data
4	Stung Pursat II	Hydro	Planned	No Data
5	Stung Pursat V	Hydro	Planned	No Data
6	Krakor 60 MW Solar (SchneiTec)	Solar	Planned	No Data
7	Soma Energy 5MW	Solar	Operational	No Data
8	Stung Staung	Hydro	Planned	No Data
9	Stung Chikreng	Hydro	Planned	No Data
10	Stung Siem Reap	Hydro	Planned	No Data
11	Battambang 60 MW Solar	Solar	Planned	No Data
12	PLANT AI	Coal	Planned	2,024

#	Country	Province/State /Municipality	Locality/District	Main Basin	Tributary
1	Cambodia	Kâmpóng Chhnang	Tuek Phos	Mekong-Lancang	Mekong Mainstrem - Lower Tonle Sa
2	Cambodia	Pouthisat	Phnum Kravanh	Mekong-Lancang	Steng Pursat
3	Cambodia	Kâmpóng Chhnana	Kampong Chhnana	Mekong-Lancang	Mekong Mainstrem -



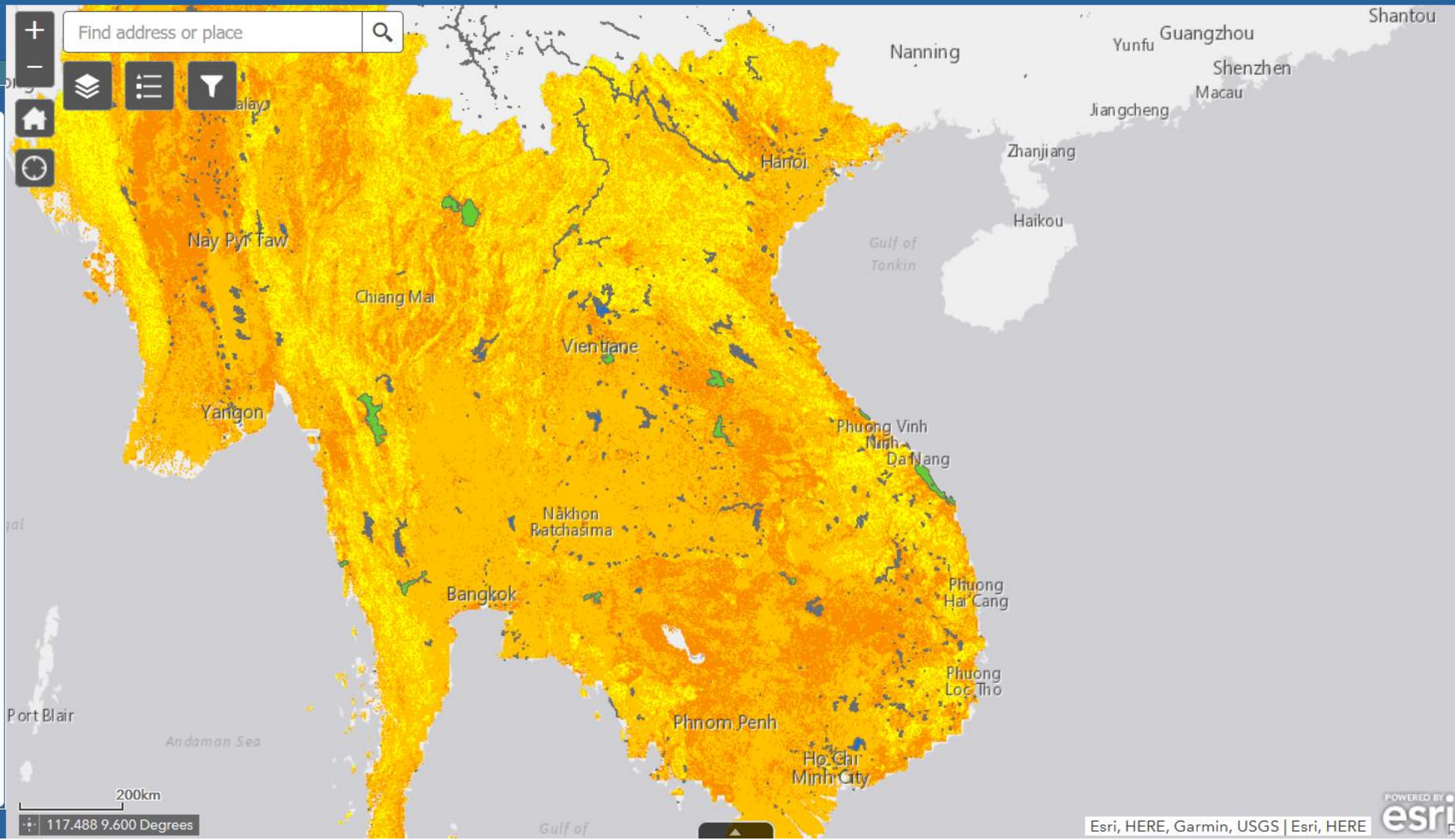


Renewable Energy Suitability Modeler

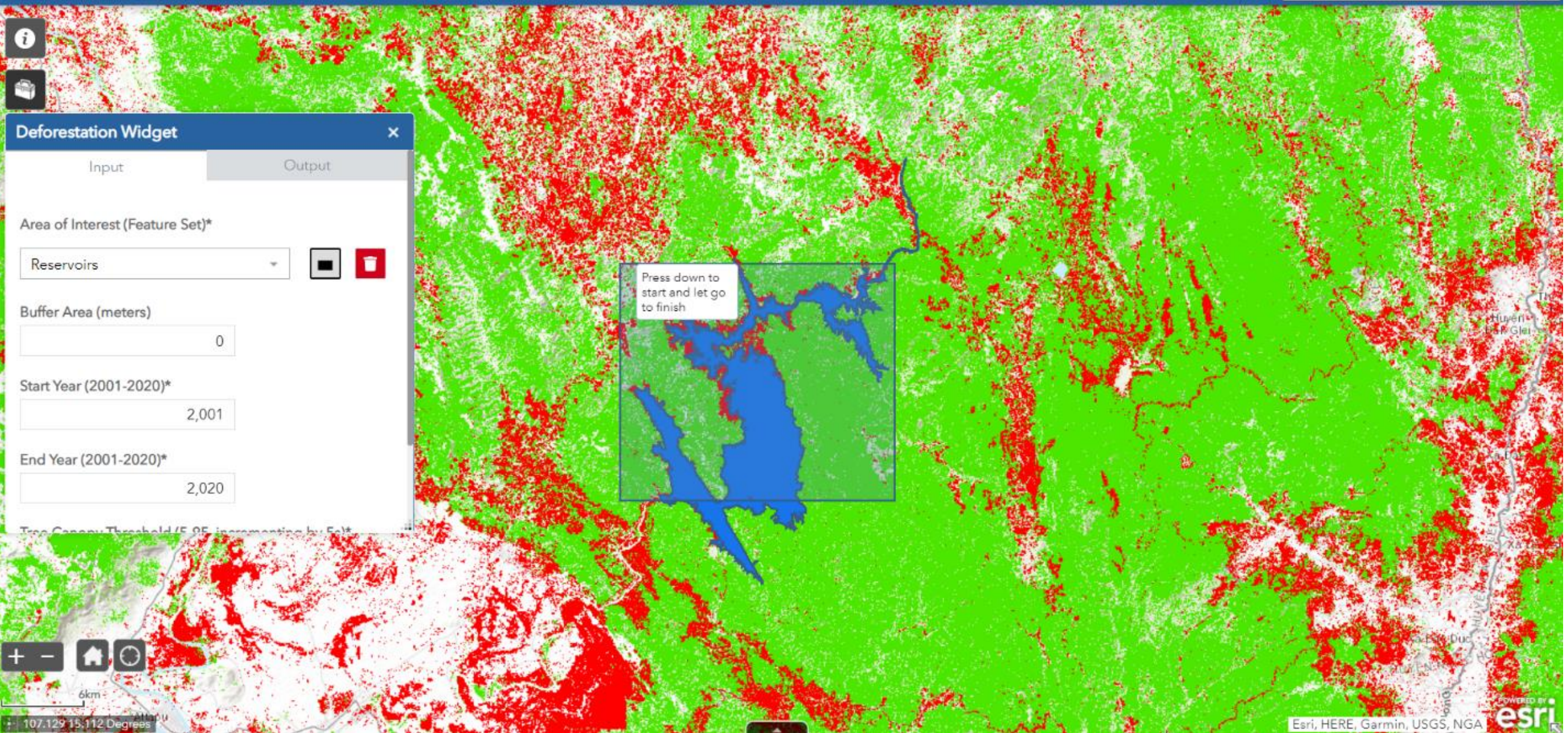
Layers **Model** Chart

**2 Design Model** Low High

Solar PV Power Potential (kWh/kWp)		<input type="text" value="50"/>	%
Species Richness & Rarity		<input type="text" value="20"/>	%
Slope		<input type="text" value="10"/>	%
Population Density		<input type="text" value="10"/>	%
Land Cover		<input type="text" value="10"/>	%
<b>Total:</b>		<b>100 %</b>	







### Deforestation Widget

Input Output

Area of Interest (Feature Set)\*

Reservoirs

Buffer Area (meters)

0

Start Year (2001-2020)\*

2,001

End Year (2001-2020)\*

2,020

Tree Canopy Threshold (5-95 increments) 5%

Map navigation controls: zoom in (+), zoom out (-), home, and refresh. A scale bar indicates 6km. Coordinates: 107.129 15.112 Degrees.



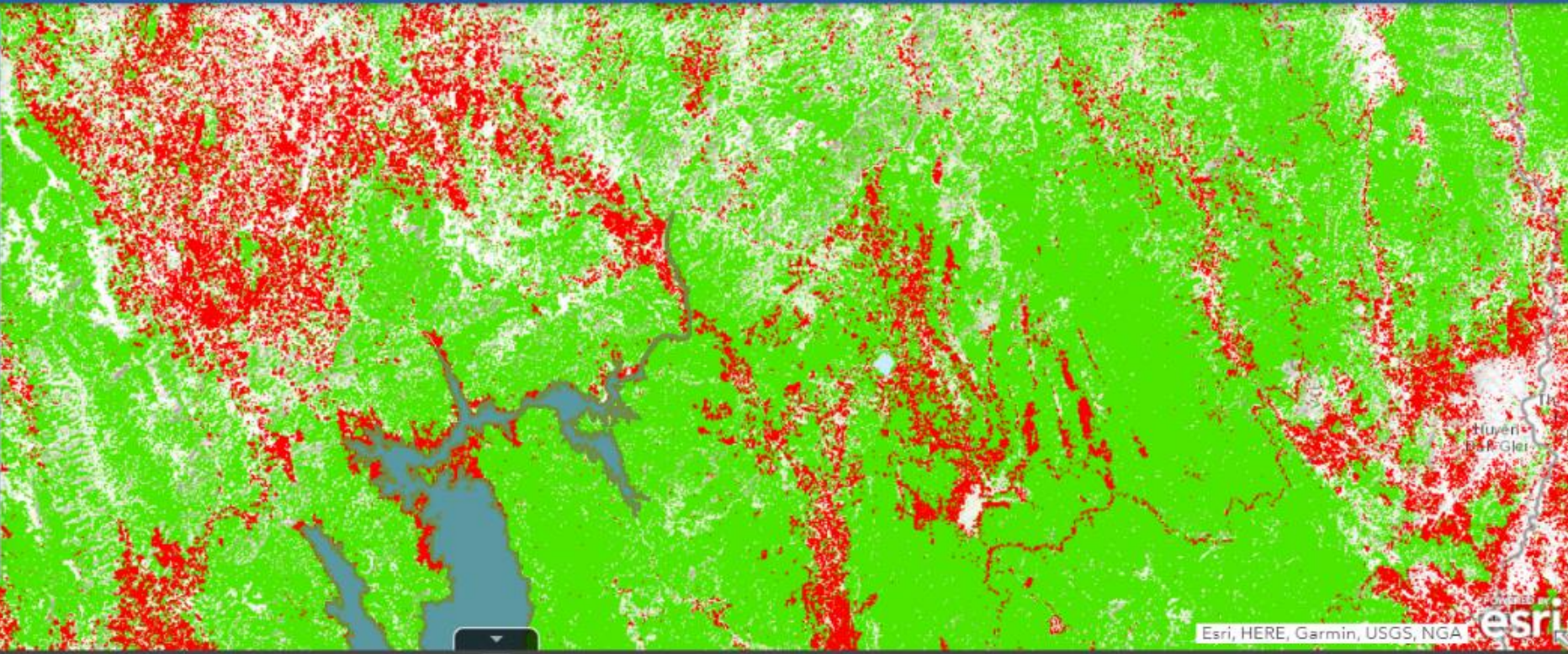
### Deforestation Widget

Input
Output

**Results (Yearly Loss in Hectares)**

The result is drawn on the map. ... ✕

deforestationCSV  
<https://gis.stimson.org/server/rest/directories/arcgisjobs/deforestationCSV>



Forest Loss, by year
Tree Cover, by class
Results (Yearly Loss in Hectares) ✕

Options
Filter by map extent
Zoom to
Clear selection
Refresh

2008	Forest_Loss_2009	Forest_Loss_2010	Forest_Loss_2011	Forest_Loss_2012	Forest_Loss_2013	Forest_Loss_2014	Forest_Loss_2015	Forest_Loss_2016	Forest_Loss_2017	Forest_Loss_2018	Forest_Loss_2019	Forest_Loss_2020	IntactForest	Shape_Length	Shape_Area
55.47	8.51	9.68	6.09	15.76	555.58	2,509.73	2,127.97	747.16	95.08	9.09	0.58	491.52	273,825.10	103,560,696.54	