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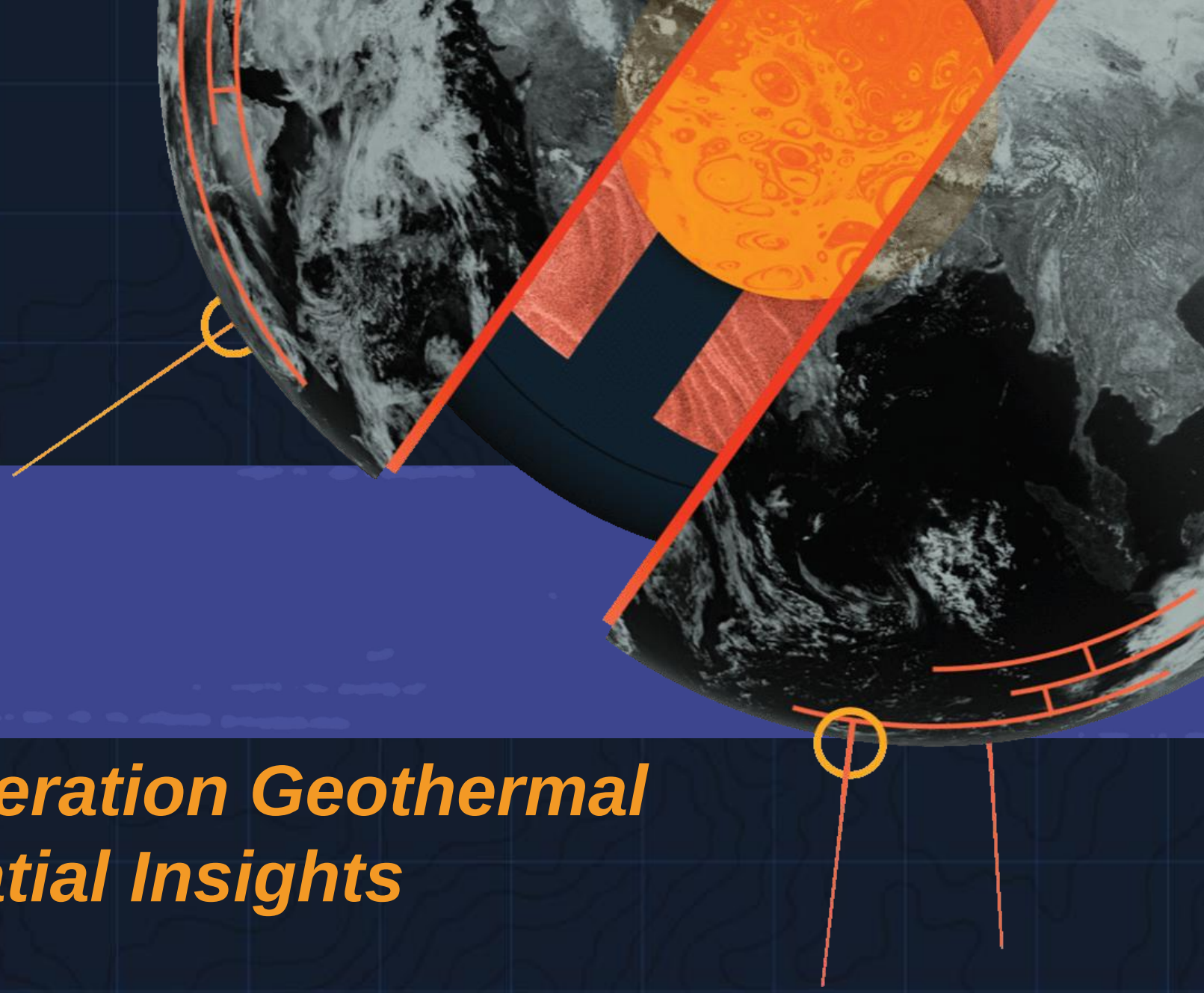
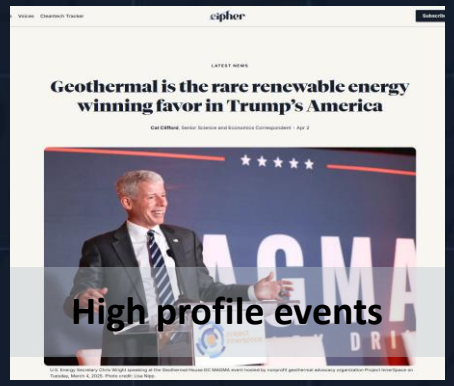


GeoMap™

Enabling Next-Generation Geothermal Power Through Spatial Insights

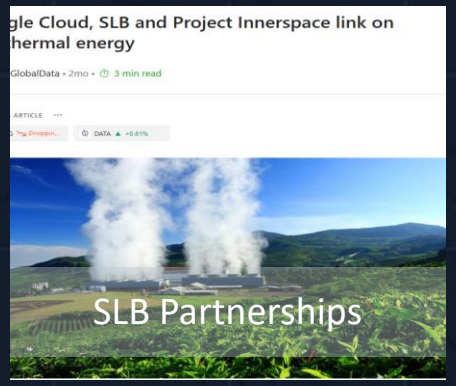
GEMS - 2025

Project InnerSpace

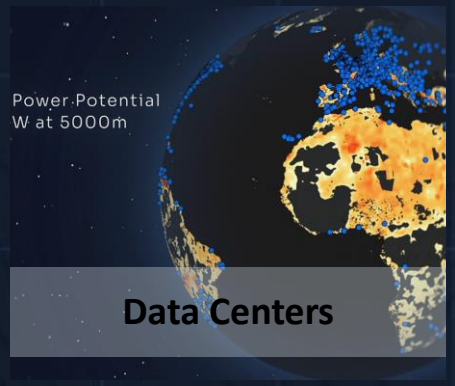


High profile events

Davos WEF

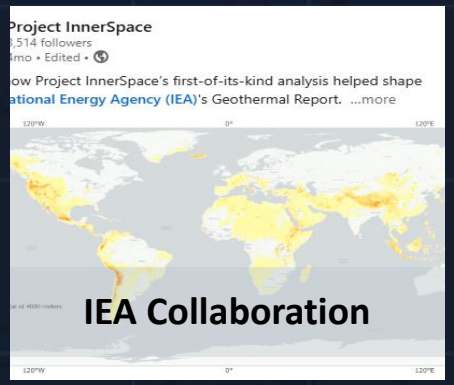


SLB Partnerships



Data Centers

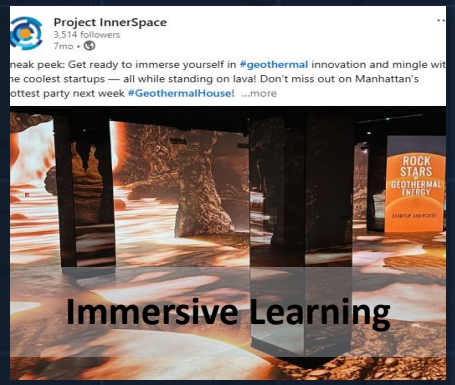
Giving Green



IEA Collaboration

Climate Impact Funds

Continent Demos

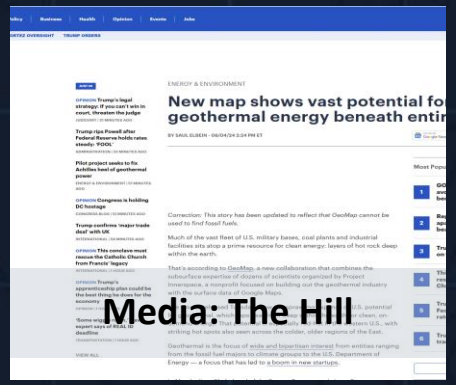


Immersive Learning

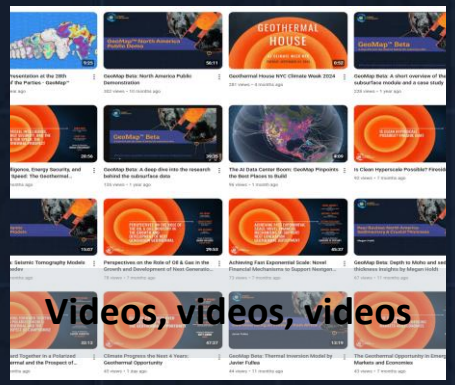

COP Launch

Google Partnership

IEA Report



Media: The Hill



Videos, videos, videos


GeoMap

GeoMap - Exploration Triangle

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GeoMap™ Beta

Prospect Portfolio
Prospect Risk
Resource Estimation

Prospect

Prospect Specific

Play Inventory
Combined favorability
Detailed formation analysis
Reservoir property maps
Formation temperature maps
Basin architecture

Deeper Dives

Basin Specific

Funded Research

Tectonic Framework
Thermal Events (Igneous)
Surface Evidence of Advection
Seismicity, fault dilation
Sediment Thickness

Global Heat in Place Model

KNOWING.EARTH

TECTONKNOW

RM

Heat flow
Crustal Thickness
Lithosphere thickness
Composition of Crust
Lithosphere thermal model

Lithosphere Heat Flow

UNIVERSIDAD COMPLUTENSE MADRID

IUGG

IHFC INTERNATIONAL HEAT FLOW COMMISSION

GFZ Helmholtz Centre Potsdam

KNOWING.EARTH

TECTONKNOW

Phase 1 Mapping

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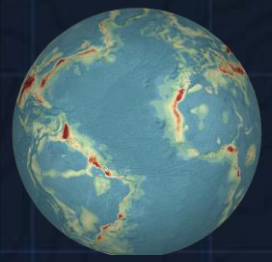
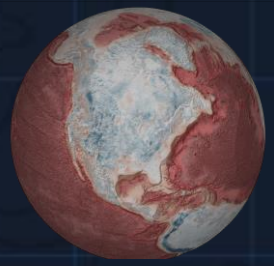
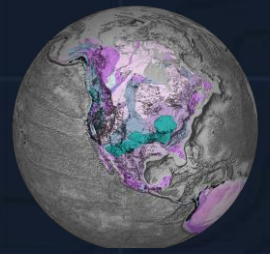
Input Data

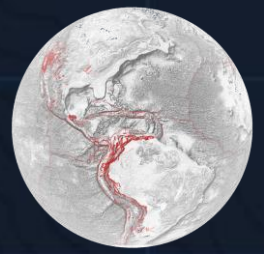
GeoMap™ Beta

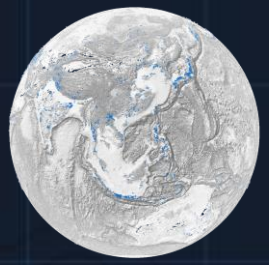

Shearwave

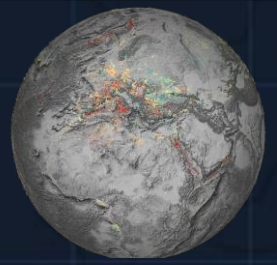

Sediment Thickness

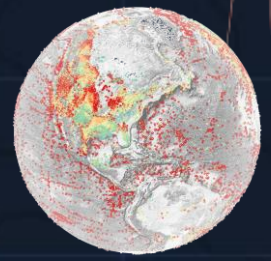

Crustal Thickness


Tectonics

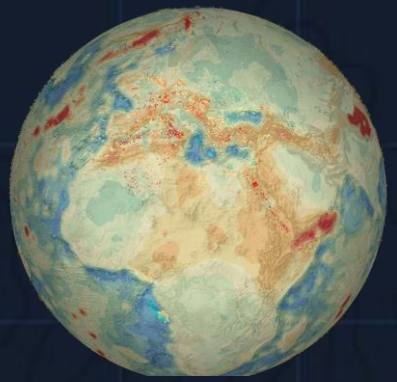

Active Faults

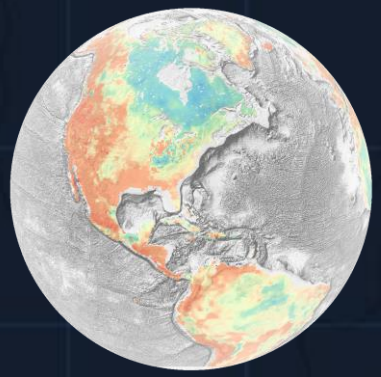

Thermal Springs

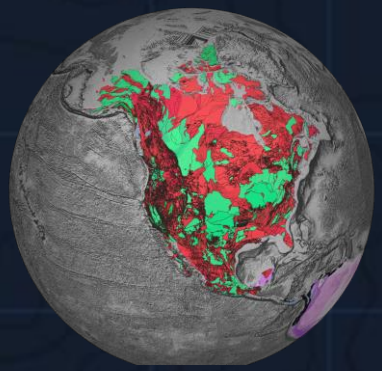

Heatflow


Borehole Temperature

Subsurface Models


Thermal Inversion


Geothermal Gradient


Fault Block Stress

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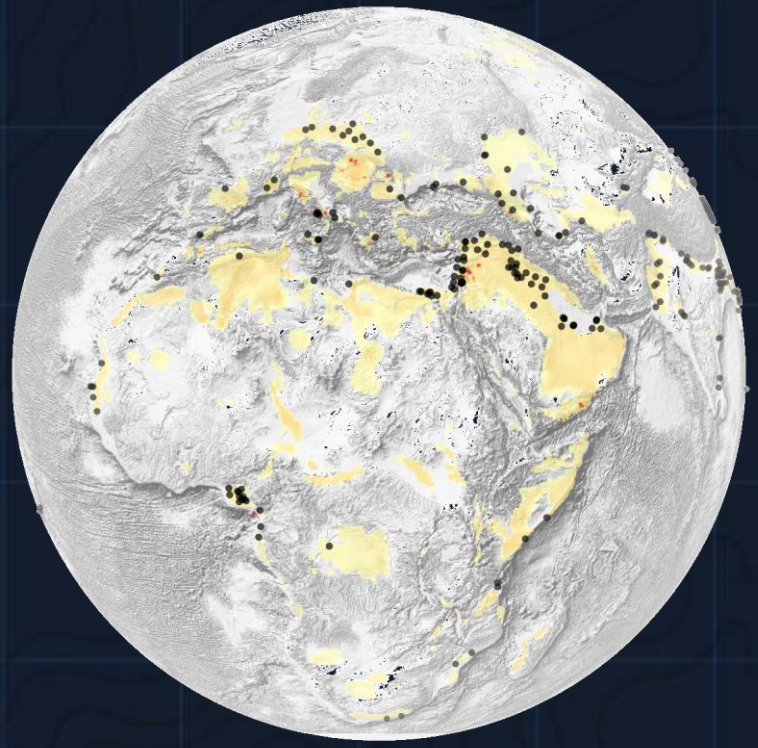
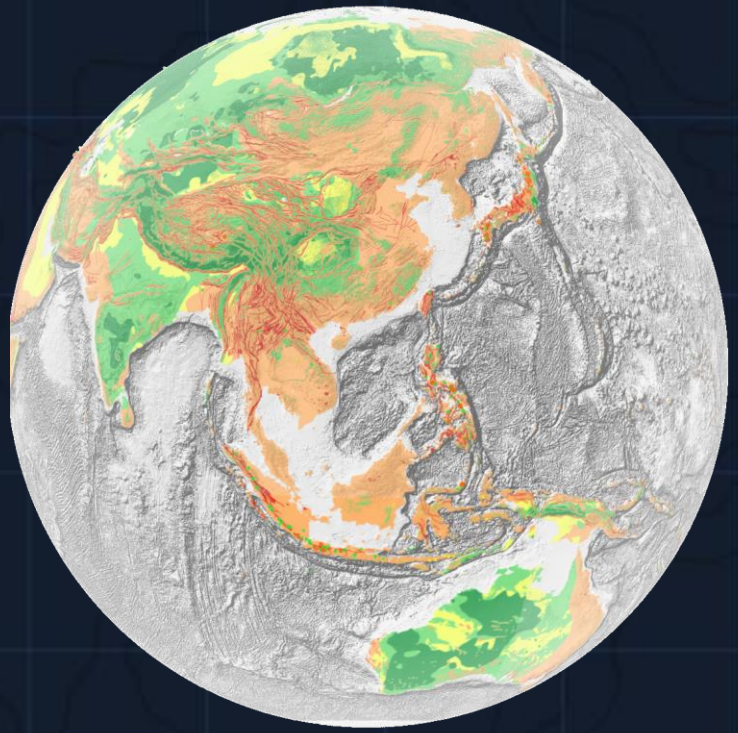
Analytics

GeoMap™ Beta



Global HIP Volume

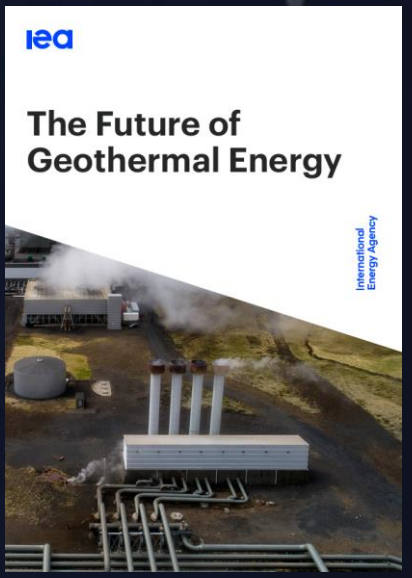


ML/WOA
Favorability

SHR Screening

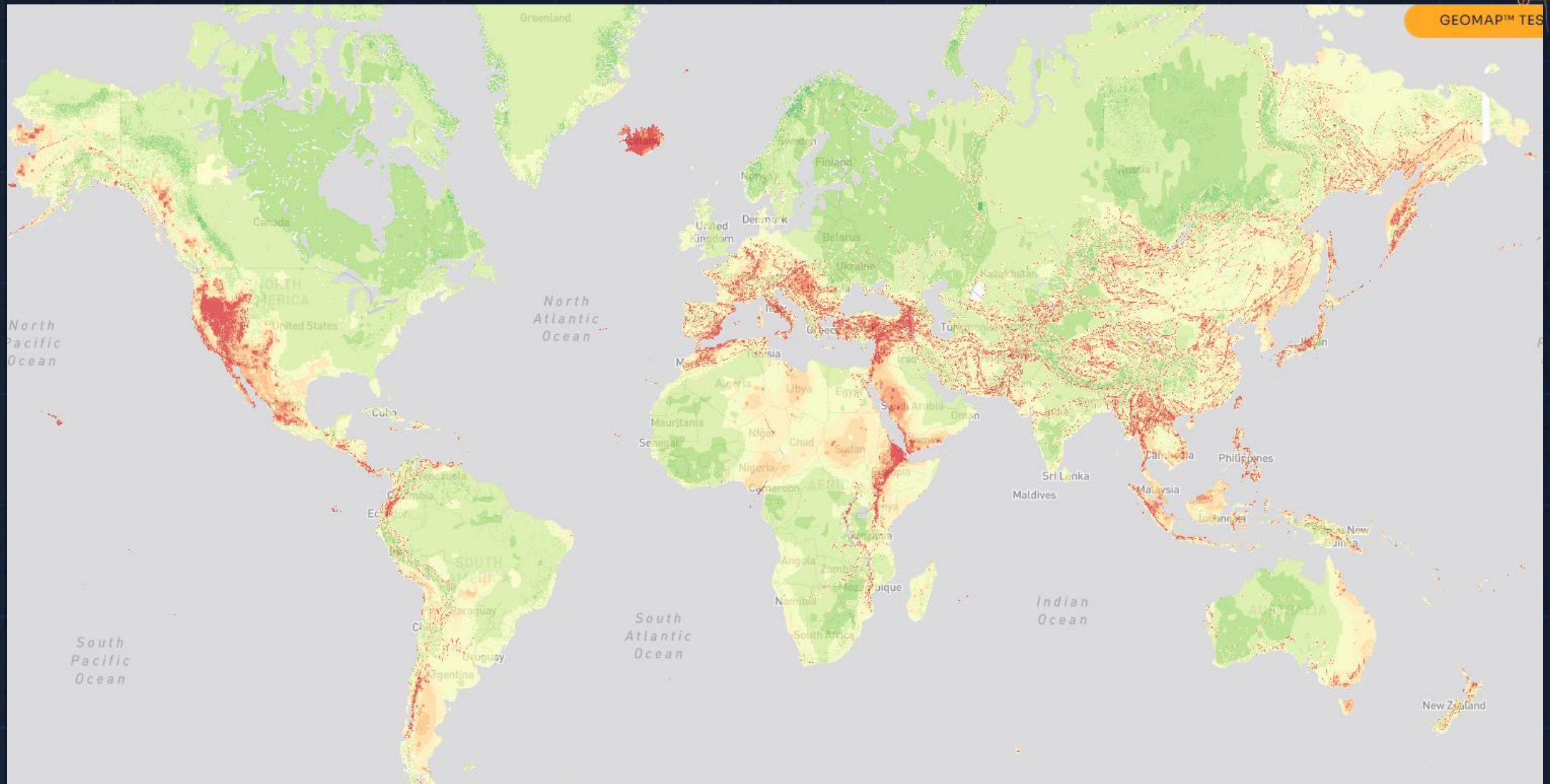
Global Heat-in-Place Model

Featured in IEA Report published Dec 2024



https://www.iea.org/reports/the-future-of-geothermal-energy

Weighted Overlay Analysis Module



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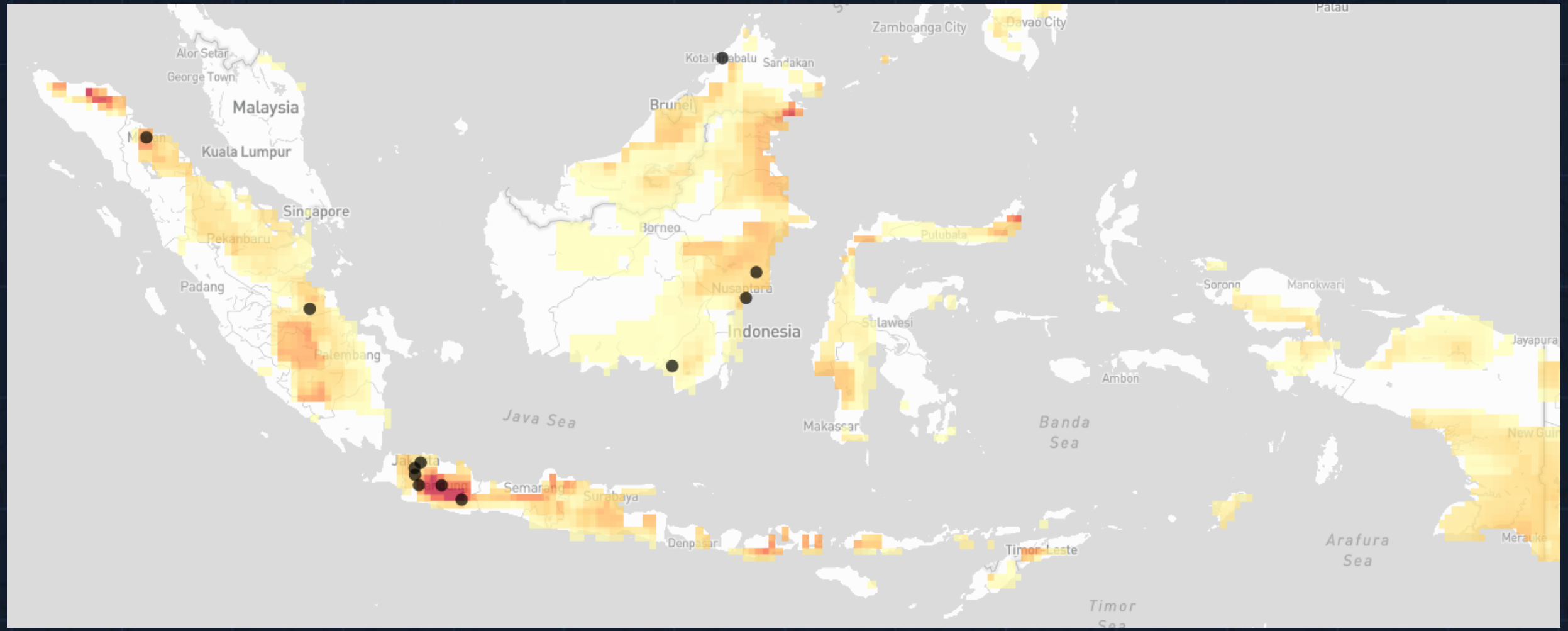
Spatial Cooling Module

GeoMap™ Beta



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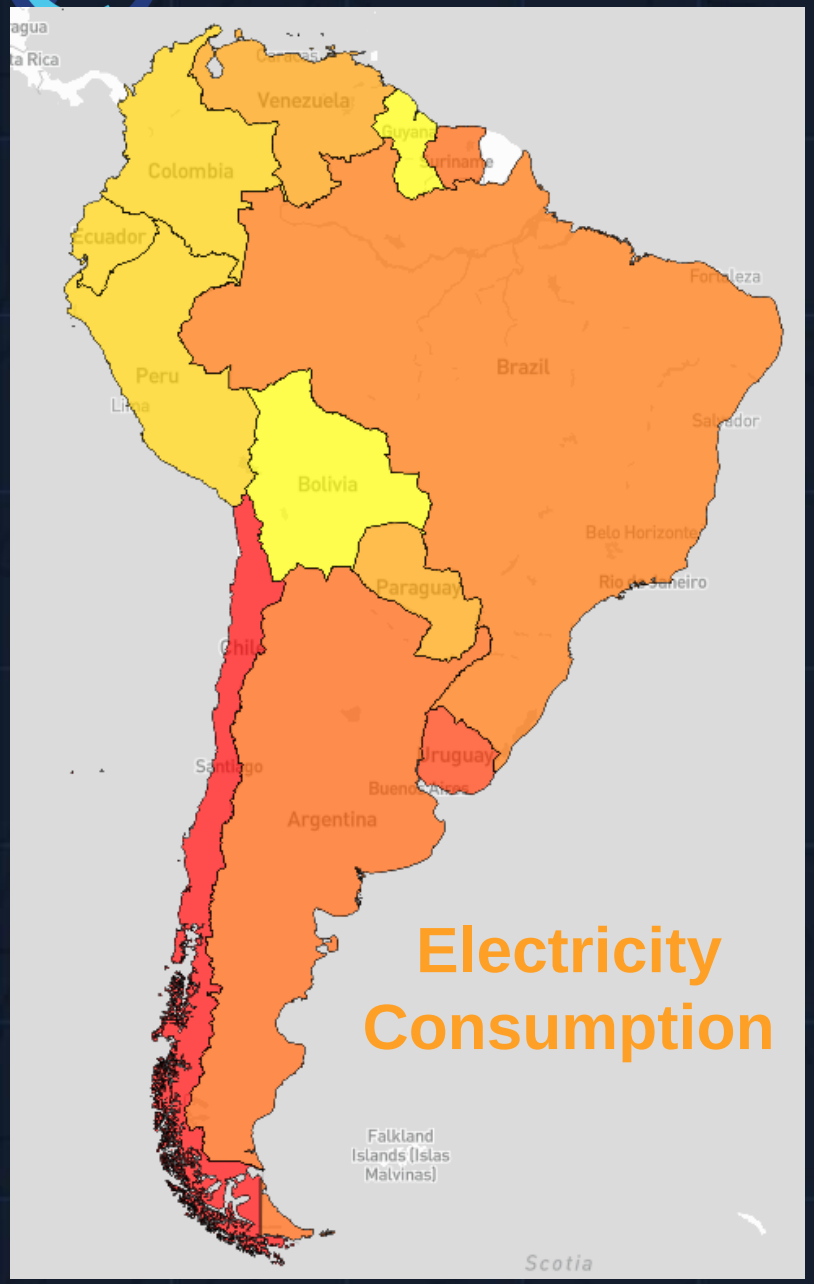
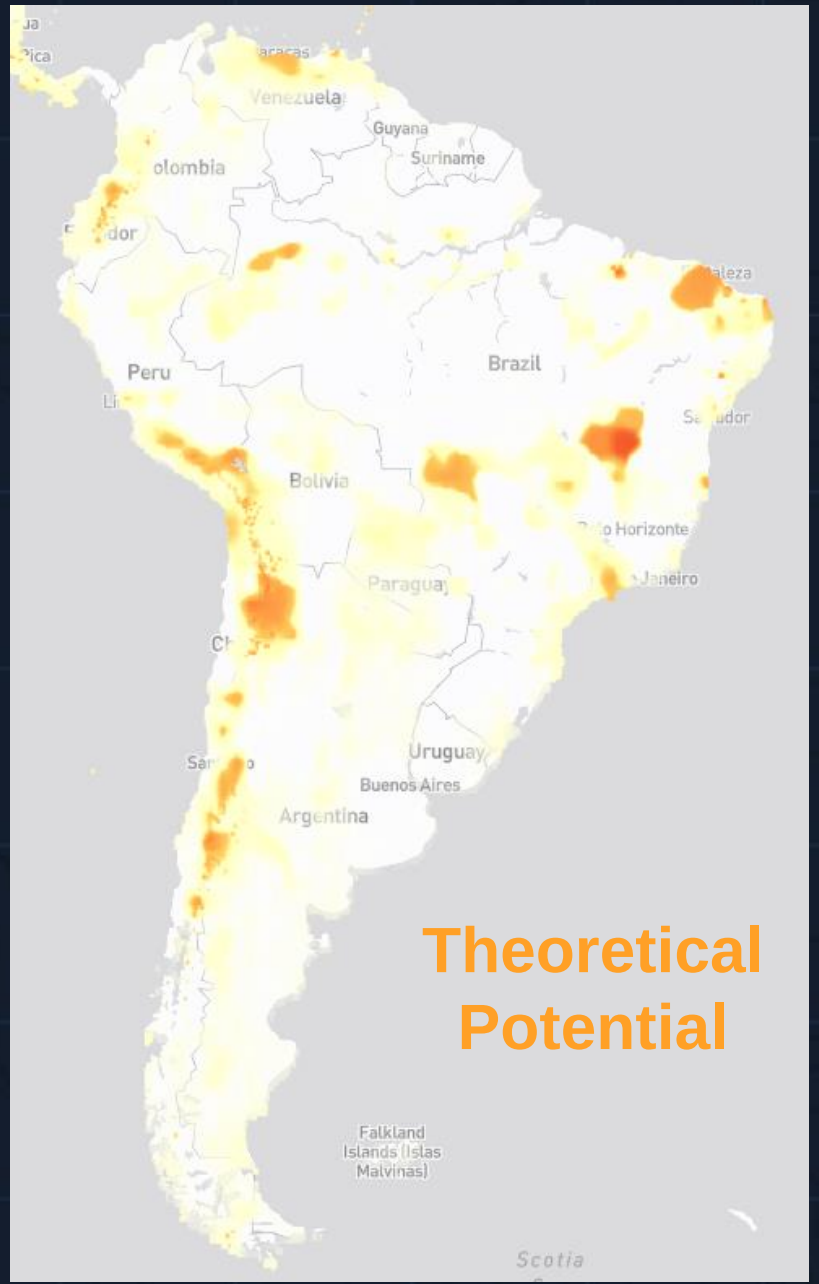
Multiple Module Screening

GeoMap™ Beta



Electricity Consumption



Theoretical Potential

Power Lines

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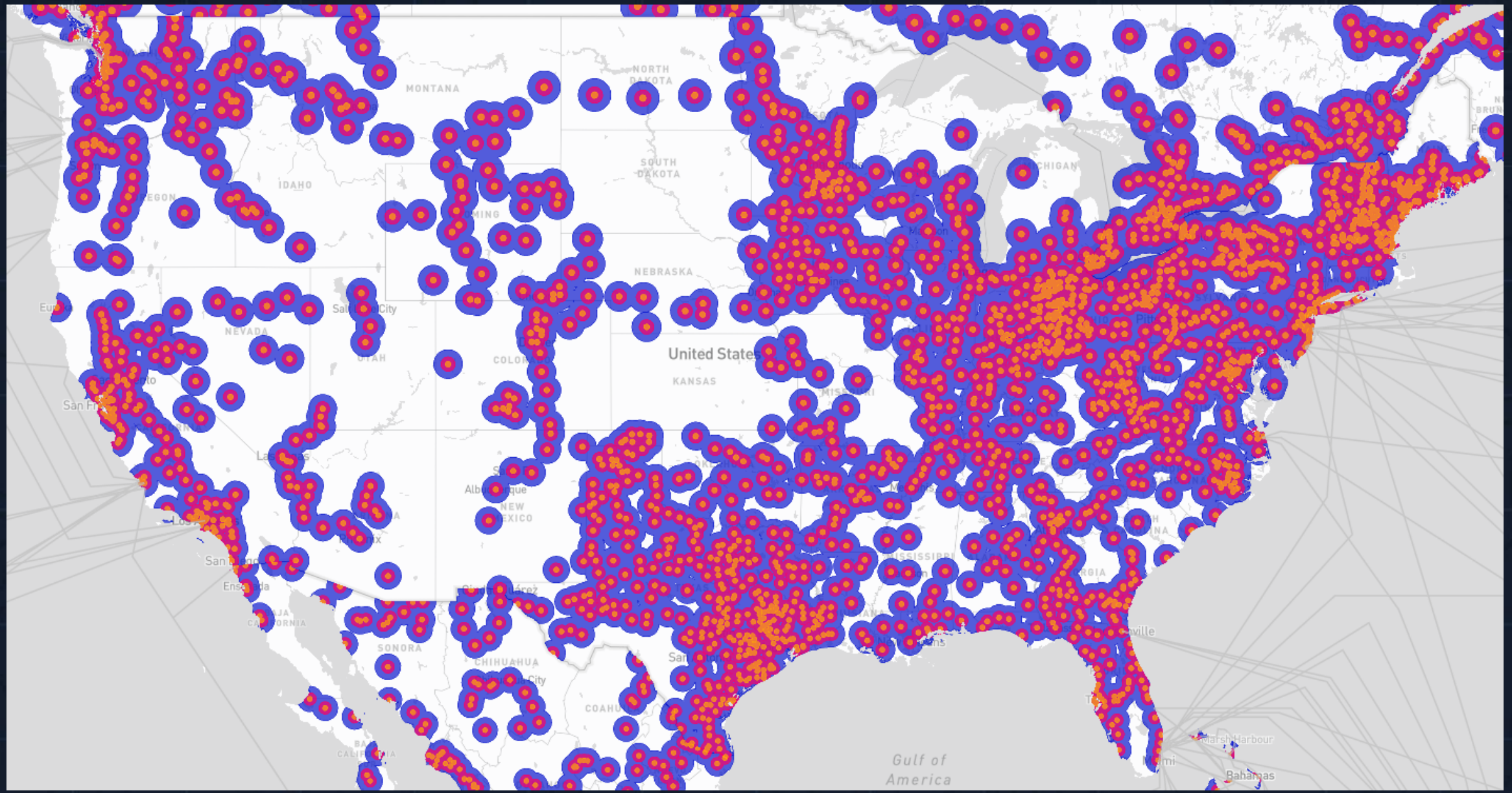
Data Center Module

GeoMap™ Beta



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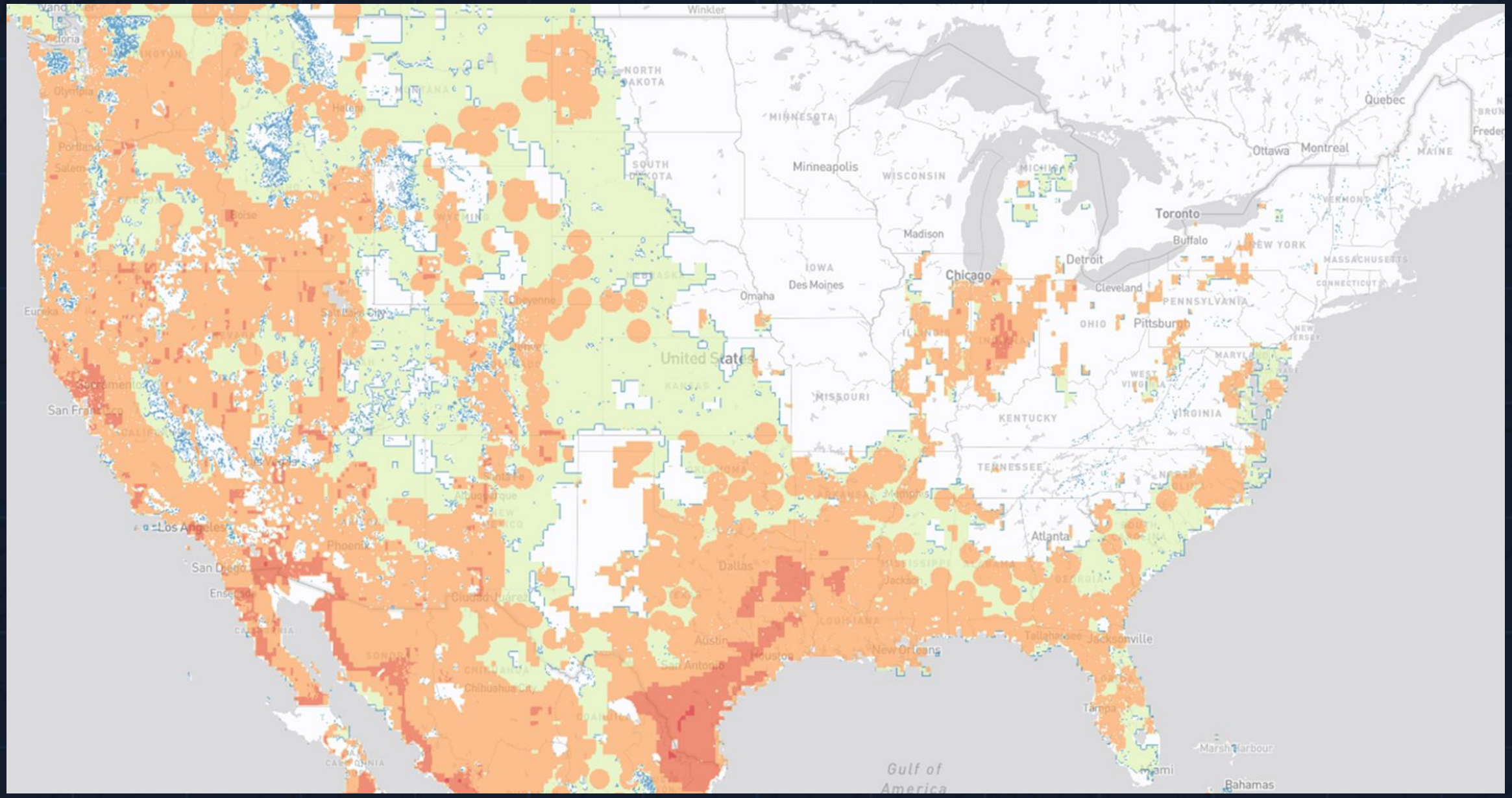
Data Center Module

GeoMap™ Beta



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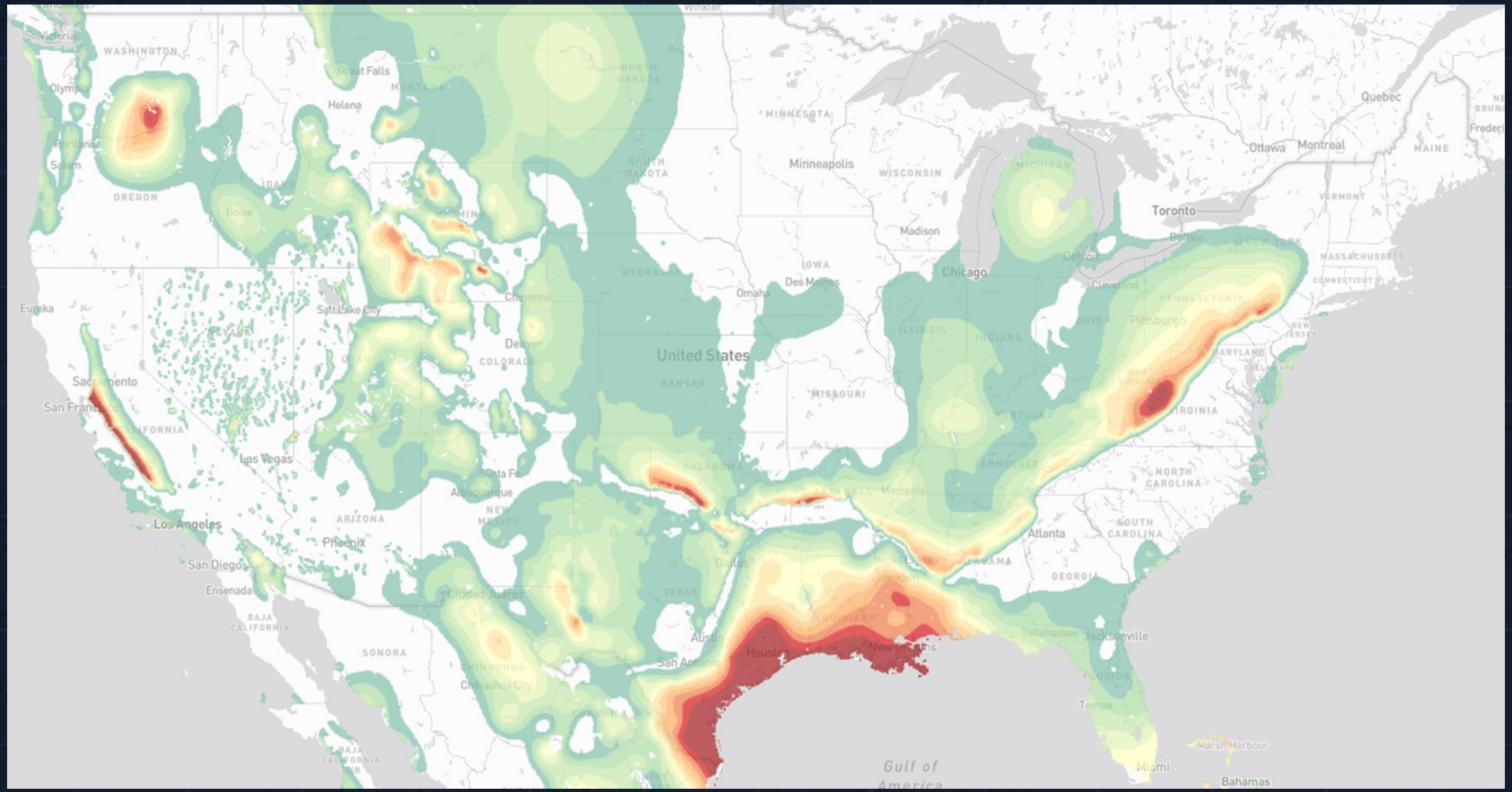
Data Center Module

GeoMap™ Beta



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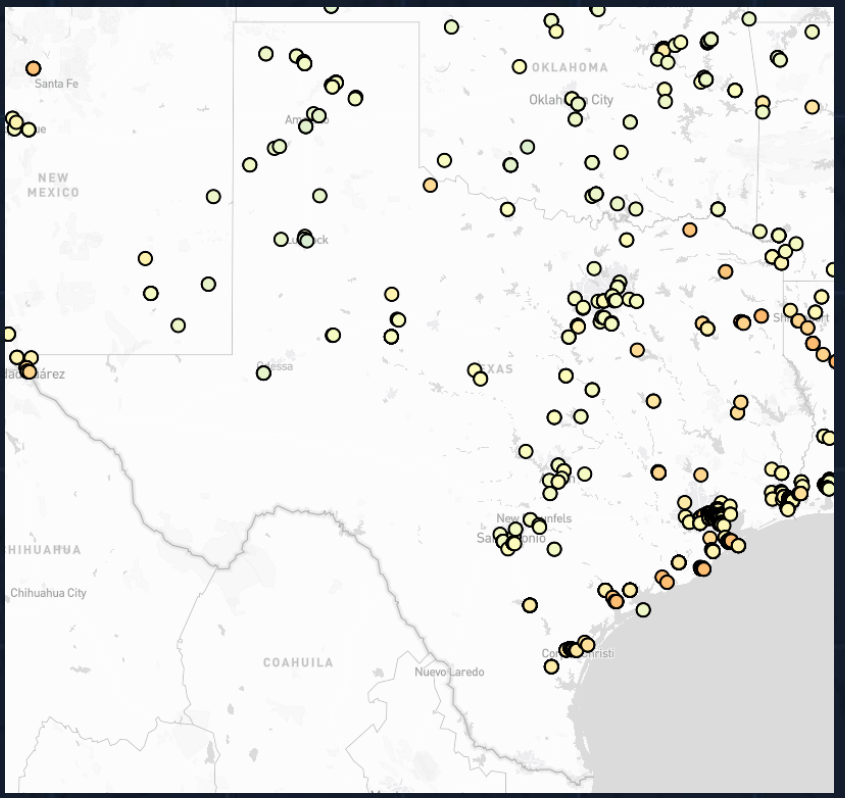
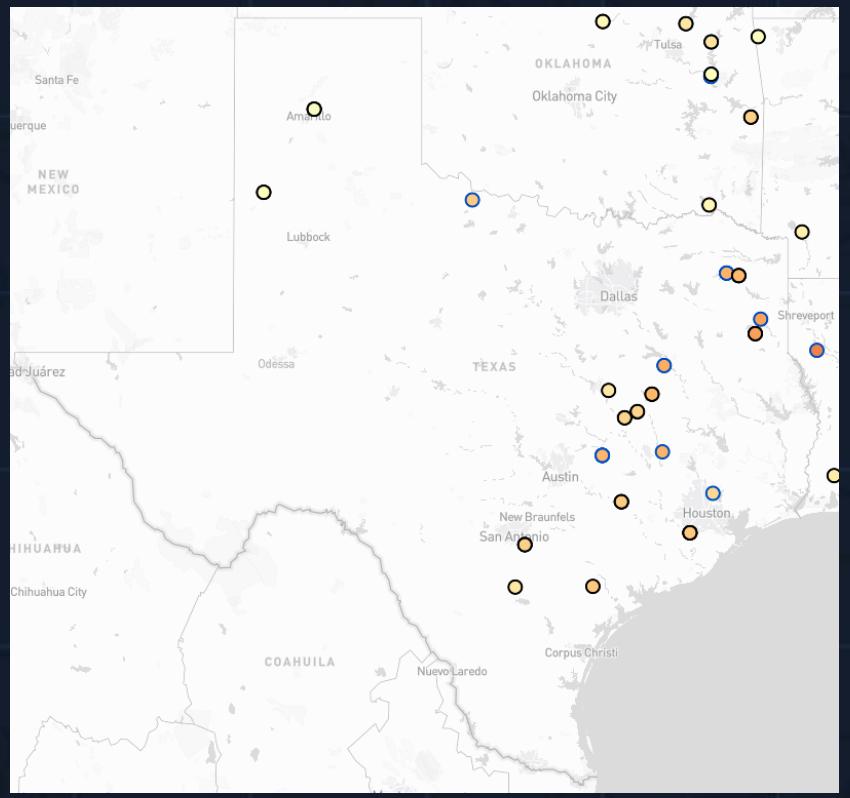
Heat Offtakers

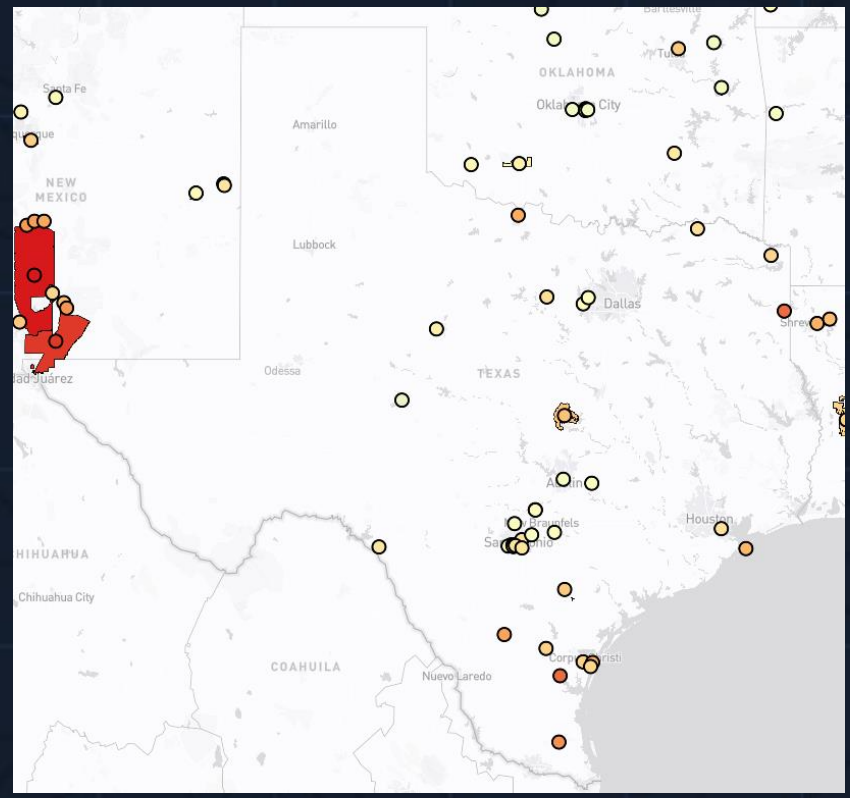
GeoMap™ Beta



Industrial Heat Facilities



Coal Plants



Military Bases

T.E.S.T. Tool

GeoMap™ Beta

TechnoEconomic Sensitivity Tool (TEST)

Place Name	Brooks AFB
Longitude (°)	-98.4302583
Latitude (°)	29.3406310

DELETE MARKER | UPDATE

Subsurface Favorability	1.7
Geothermal Gradient (°C/km)	32
Surface Temperature (°C)	21
Depth to Basement (km)	1.4

APPLICATION

(•) Power ( ) Heat ( ) Cool

TEMPERATURE

Corrected Temperature Gradient °C/km	32.1
Production Temperature °C	250

SUBSURFACE

Number of Producing Wells	5
Flowrate per Well kg/s	60
Sedimentary Drilling Cost Adjuster %	100
Basement Drilling Cost Multiplier	1.2
Horizontal Well Length m	2000
Fixed Annual Temperature Decline °C/y	1

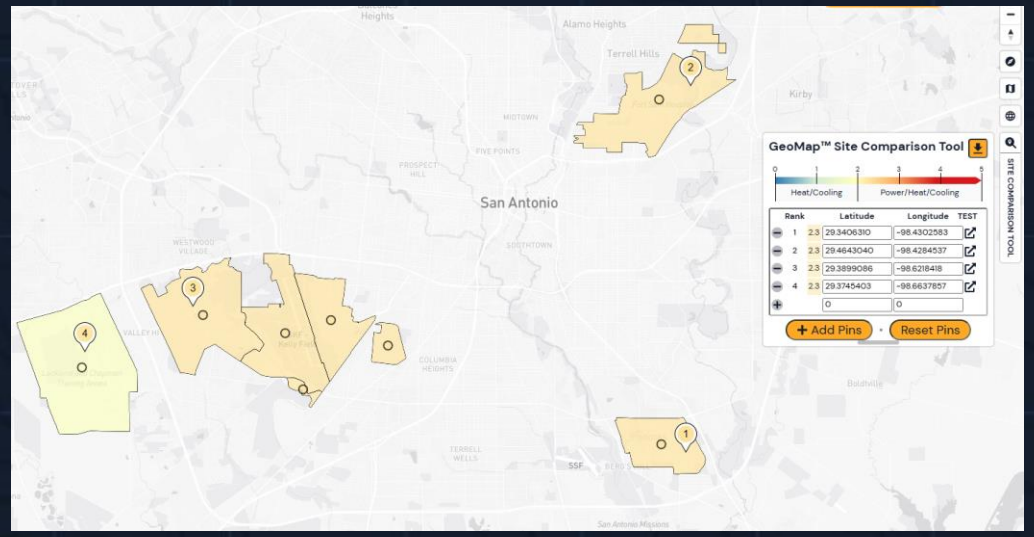
( ) Variable Annual Temperature Decline

SURFACE

Power Plant Efficiency Increase Over Baseline %	10
Power Plant Costs $/kW	2500

ECONOMICS

Production Lifetime y	25
Capital Expenditure Subsidy %	0
Annual Fixed OPEX as % of Total CAPEX	2
Wells and Plant Construction Time y	2



OUTPUT

EXPORT RESULTS | - VIEW LESS

Target Depth (m)	7410
Average Net Energy Sales (MWe)	32.335
Cost per Well (mm$)	21.798
Derisking Cost (mm$)	20.826
Average Drilling Cost ($/m)	1729.293
Well Stimulation Cost (mm$/well)	5.525
Surface Facility Cost (mm$)	109.149
Pre-TAX Payout Price ($/Mwe.h)	149.79
Lifetime Project Generation (GWe.h)	7081.402
Foregone CO2 Emissions (mm kg CO2)	3134.986
Surface Footprint (ha)	5.382

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GeoMap™ Beta

Thank you

Director of Global Engagement

Jackson Grimes

Jackson@projectinnerspace.org


Questions