

How does it work?

We have collected millions of realworld measurements to teach our AI about the earth.



Our custom physics + AI models are trained to recognize patterns in the environment, so they can **predict geoscience** info, anywhere below ground.

HUMAN IMPACT

FEATURES USED IN PRED GEOPHYSICAL

Who are we?

We are specialized to model the complicated physics of the ground.

22 Years Experience

Working in engineering (research & consulting) for geothermal, computer programming, construction, and soil science for regenerative agriculture.

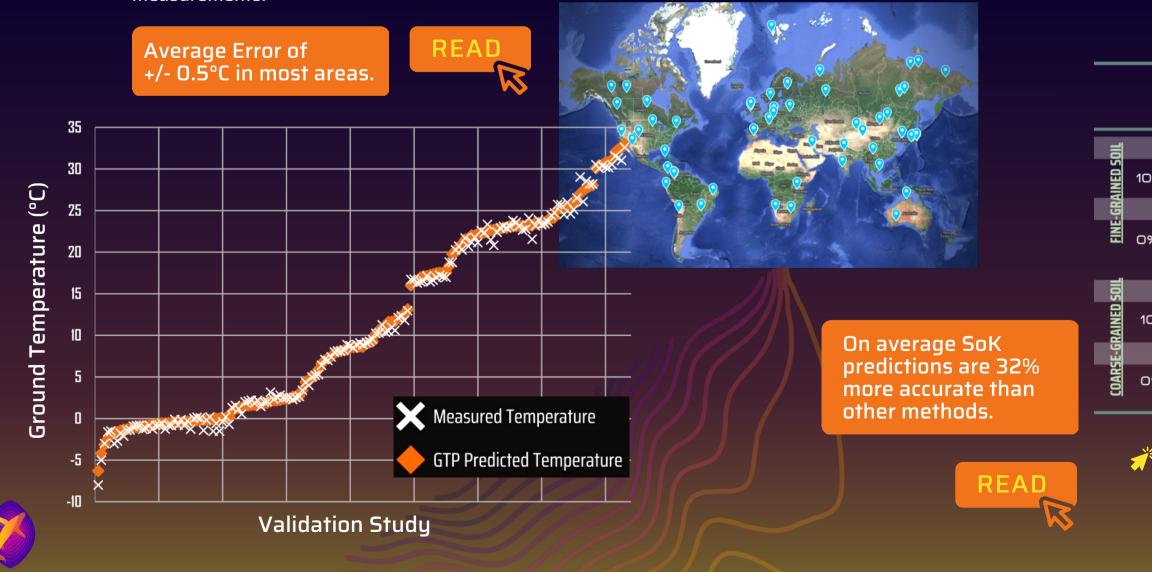


How well does it work?

We validate our AI models with high guality real-world measurements from scientists around the earth.



Version 1.0 was tested against over 300 measurements.



Contact us about custom pricing, and to hear about our next version release with even more ground properties.

Umny.ca/Contact/

Master's and PhD in Computational Fluid Dynamics (CFD).



Speaking: English, French, Spanish, Arabic

Software to explore the earth.

Soil Thermal Conductivity (SoK) Validation

Version 1.0 was tested against best calculation methods.

(oom-knee)

Comparison of SoK prediction RMSE values with analytical models from [1], for two bulk density groups and varying saturations.

<u>Saturation %</u>	COTE & KONRAD.	LU ET AL.	BALLAND & ARP	SOK
SAT. < 10%	0.081	0.057	0.071	0.058
)% < SAT. < 20%	0.106	0.080	0.078	0.051
SAT. < 20%	0.133	0.128	0.147	0.089
% < SAT. < 100% (ALL DATA)	0.122	0.113	0.130	0.081
SAT. < 10%	0.157	0.172	0.213	0.114
0% < SAT. < 20%	0.167	0.189	0.122	0.129
SAT. < 20%	0.205	0.195	0.164	0.107
% < SAT. < 100% (ALL DATA)	0.172	0.182	0.186	0.114
		MAX. ERROR		MIN. ERROR
[1] READ ORIGINAL PAPER [1] READ ORIGINAL PAPE				

WITH COMPARISON METHODS