

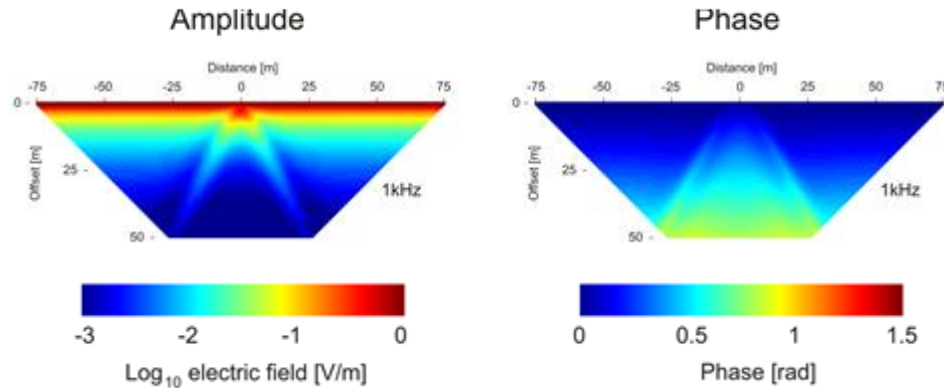


Andrei Swidinsky

Exploration Geophysics: Electromagnetic methods for oil, gas, gas hydrate and mineral exploration

### Sample Project:

The electromagnetic response of a resistive cavity or tunnel in a conductive earth



### Recent Publications:

- Swidinsky, A., 2014: On the electromagnetic response of a resistive cylinder buried in a conductive host. *Geophysics*, 79(6), E341-E351.
- Love, J. & Swidinsky, A., 2014: On the time-causal estimation of electric fields induced in the Earth's lithosphere during great magnetic storms. *Geophysical Research Letters*, 41(7), 2266-2274.
- Swidinsky, A., Hölz, S. & Jegen, M., 2015: Rapid resistivity imaging for marine CSEM surveys with two transmitter polarizations: An application to the North Alex mud volcano. *Geophysics*, doi: 10.1190/GEO2014-0015.1
- Hölz, S., Swidinsky, A., Sommer, M., Jegen, M. & Bialas, J., 2015: The use of rotational invariants in the interpretation of marine CSEM data. *Geophysical Journal International*, doi: 10.1093/gji/ggv015