

# Geothermal exploration work flow

### **KMS Technologies**

An EMGS / RXT company

www.KMSTechnologies.com

### **Geothermal exploration flow**





### **Electromagnetic methods**

#### Sources of magnetotelluric field in the lonosphere



Earth's Magnetic Field



Massive solar outburst travels on the solar wind



It induces electric field in Ionosphere & in extreme cases produces Auroras.



This fired particles towards the Earth



The solar wind distorting Earth's magnetic field



Two magnetic field lines are reconnecting

### **Gravity methods**





More water in the rock means a density decrease; it reduces the gravity field producing a negative anomaly.





### **Gravity data acquisition**

*The instrument = gravimeter* 







Gravimeter calibration & measurements



### **Integrated interpretation**



## Magnetotelluric (low resistivity) & gravity (low density) to target geothermal anomaly

