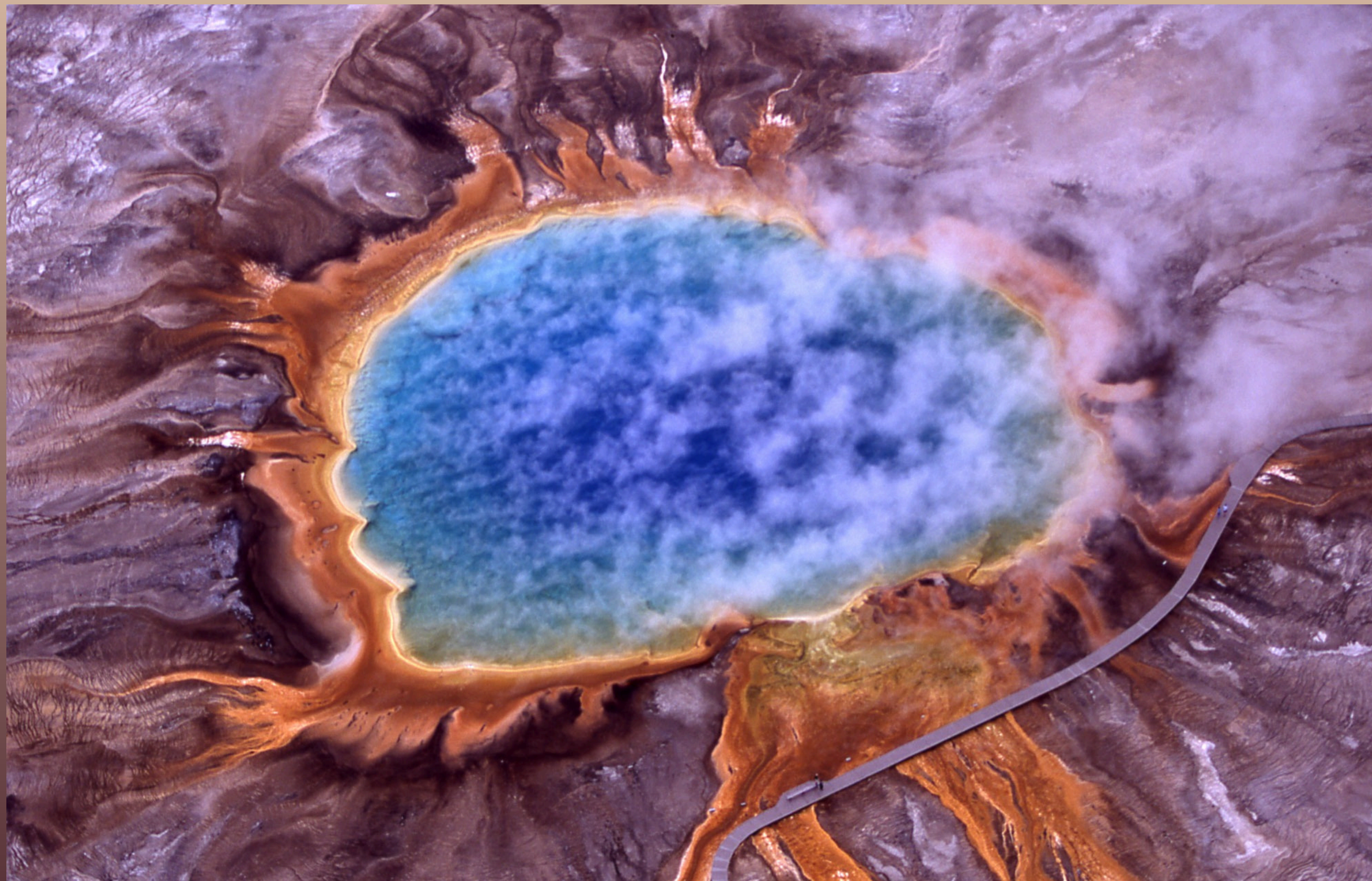


# GEO THERMAL ENERGY





# ALL ABOUT GEOTHERMAL ENERGY



“Geo” means “earth,” and  
“thermal” means “heat,”  
so geothermal energy  
means “heat from  
the earth”.



Geothermal energy is produced during the slow decay of radioactive elements in the earth's core.



This process is continuous and it never stops, this is why geothermal energy is a renewable energy source.





The hot steam from a geyser  
and the hot lava from a  
volcanoe are examples of  
geothermal energy because  
they both come from the  
underground heat.



Humans have used  
geothermal energy for a  
long time.



Water from hot springs can  
be used for cooking,  
bathing, washing, heating  
and also for producing  
energy.



We can use geothermal  
to heat our homes and  
generate electricity.

Have you ever been to a  
geothermal hot spring?



The geothermal bathing  
and thermal beauty  
products represent  
another use of  
geothermal energy.



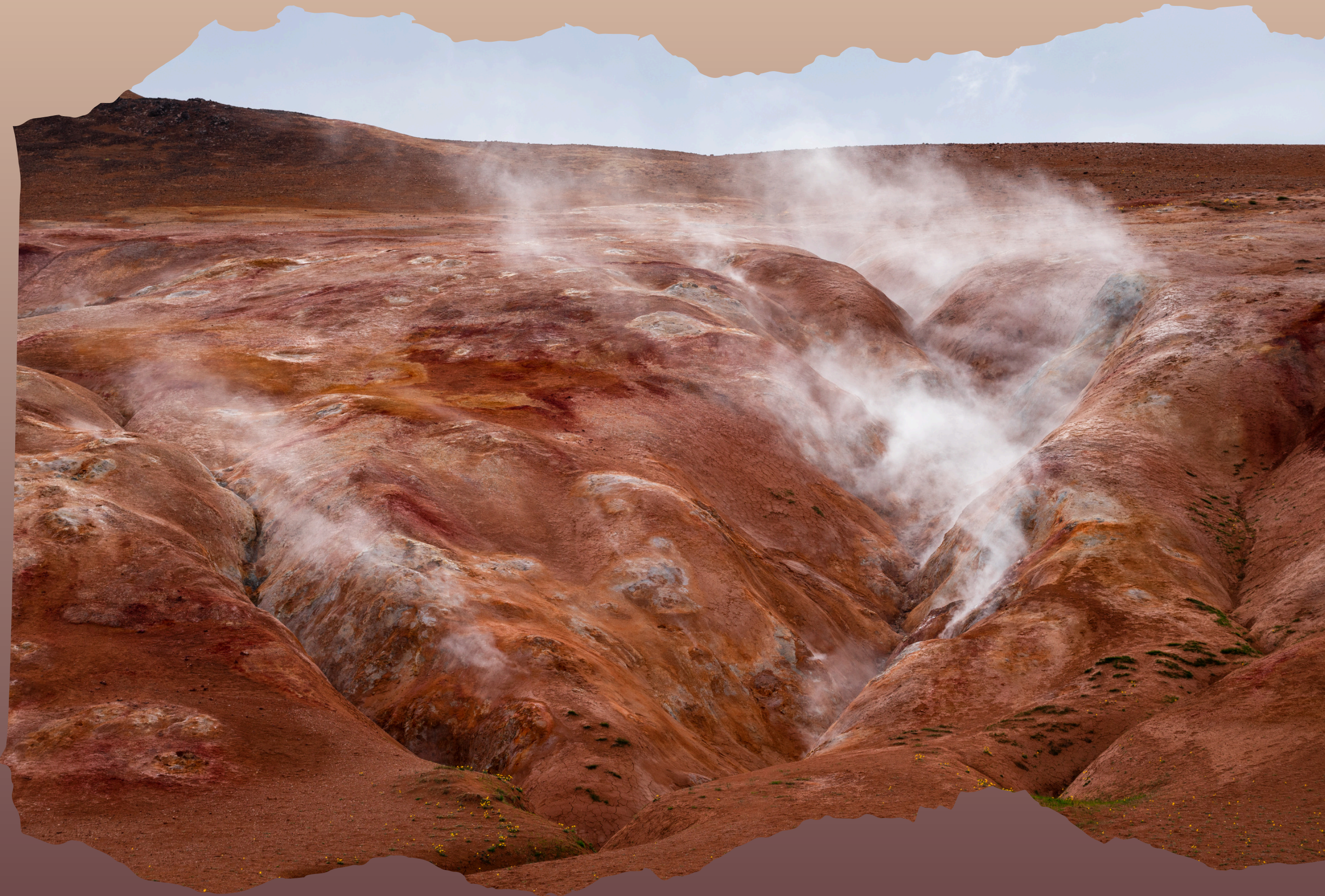
## Some Geothermal energy disadvantages:



- Potential emissions.
- Surface Instability – The construction of large geothermal power plants can trigger an earthquake.
- High cost for electricity.
- Distribution costs.



# THINK ABOUT IT



In what ways can we use  
geothermal energy?



**Module: Ecological awareness**

**Sub-module: Climate change**

**Topic: Energy efficiency and climate change**

**Resource title: Geothermal Energy**

**Credits: Prosveta-Sofia foundation**



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