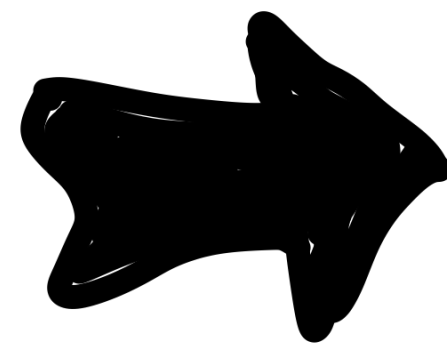
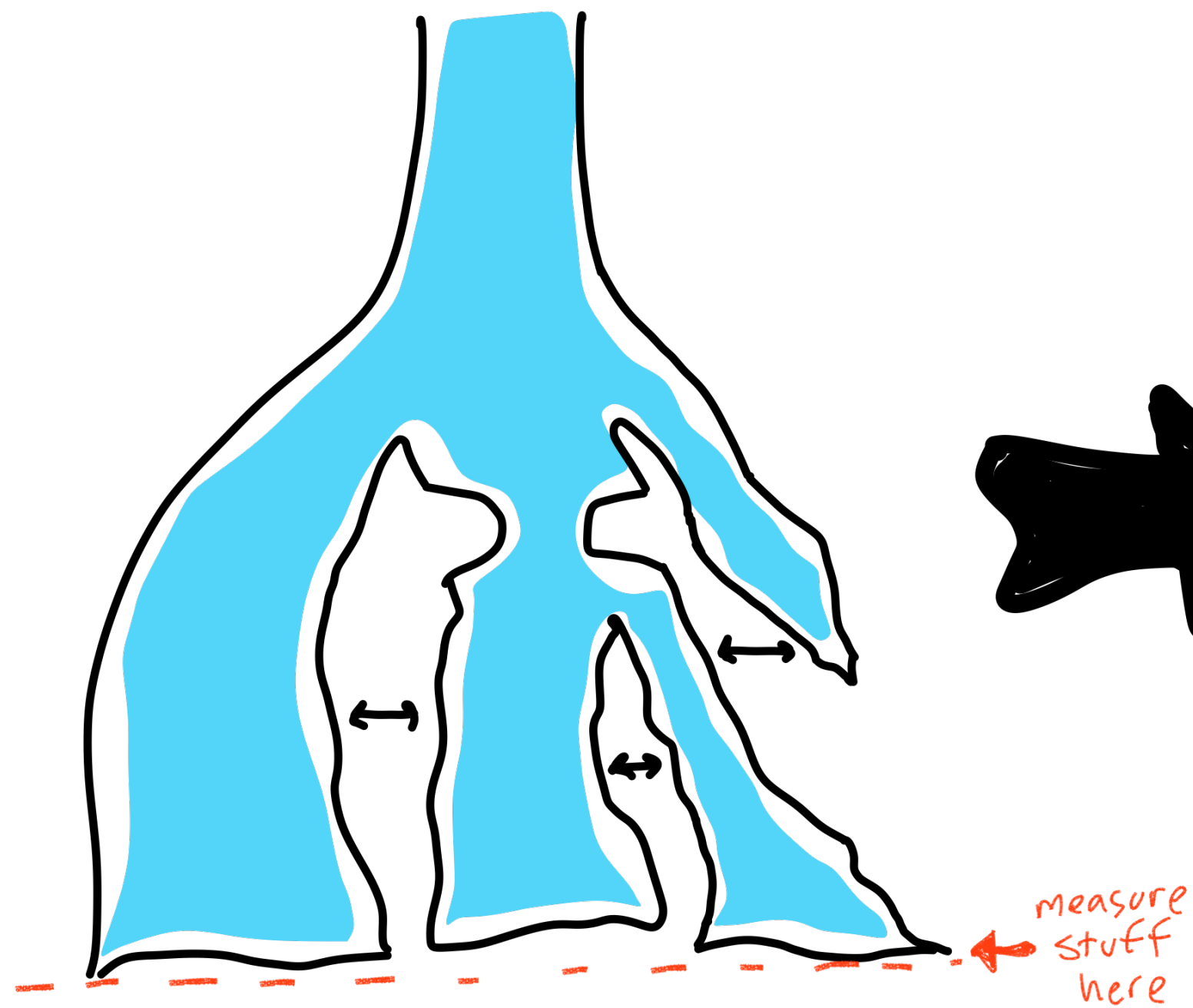
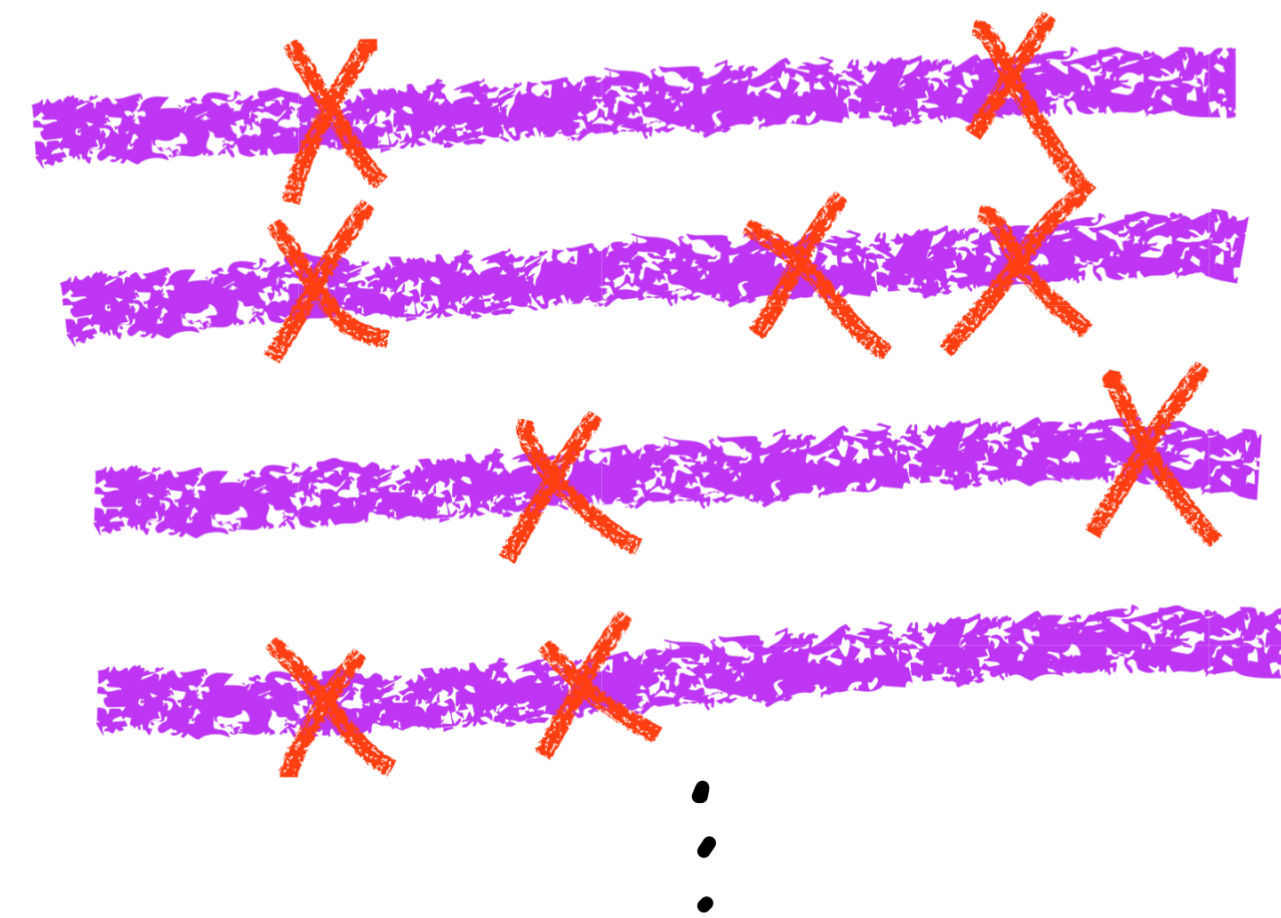


# The big picture

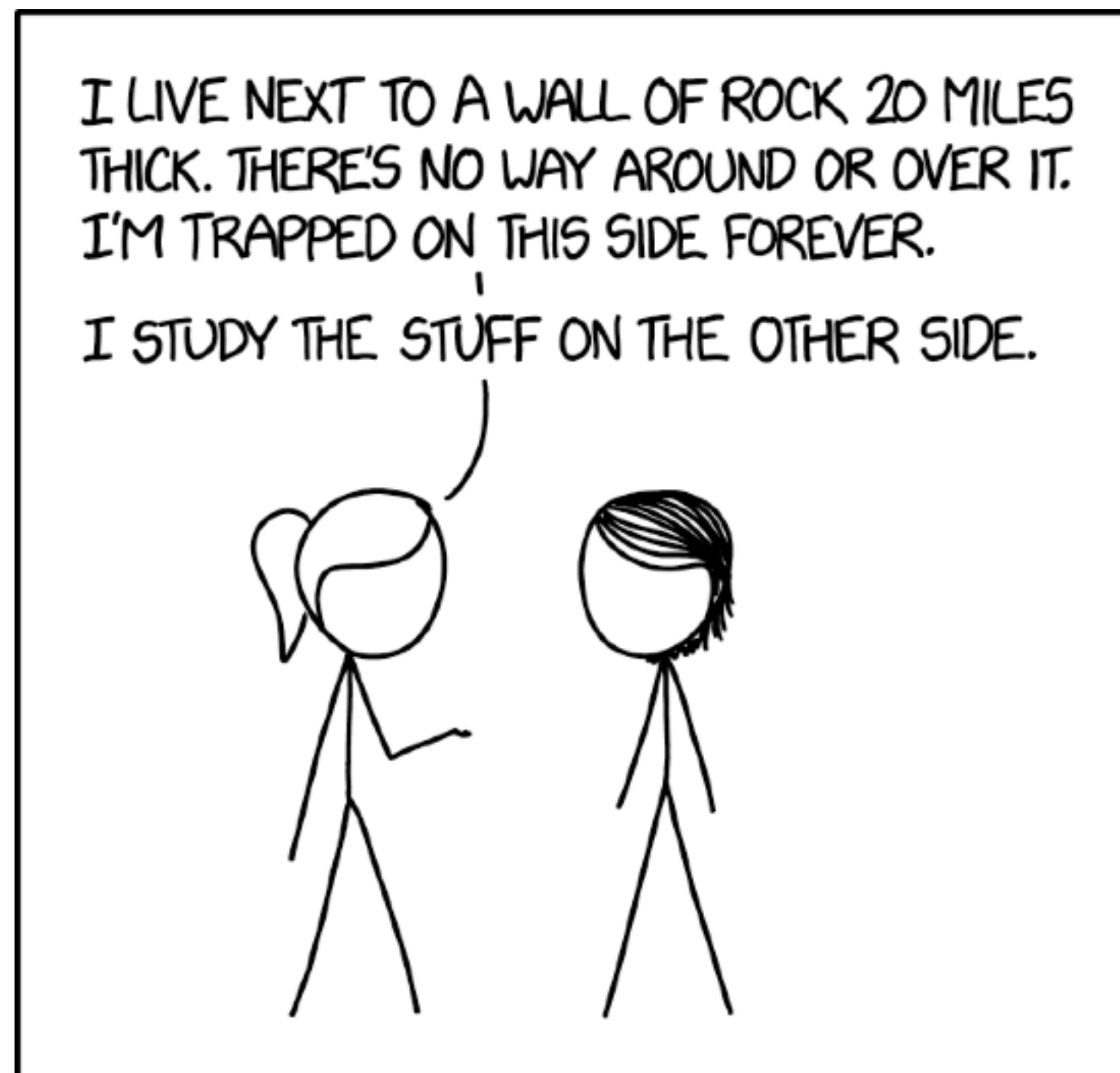
Evolutionary  
Process



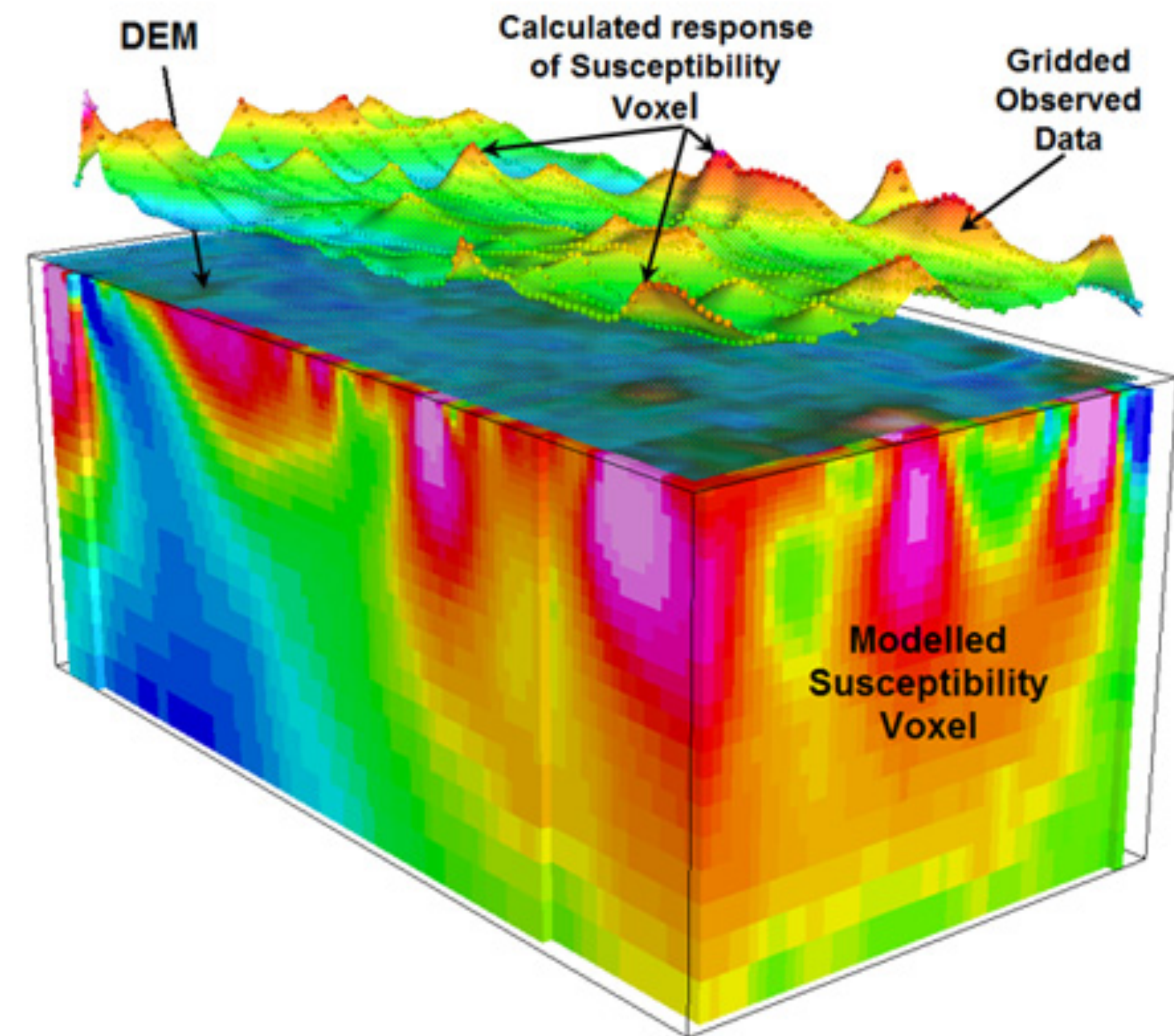
Genetic  
Variation



# Inverse problems



MANTLE GEOLOGY SEEMS LIKE  
THE MOST FRUSTRATING FIELD.



$$g(x) = \int K(x, y) f(y) dy$$

*data*  $\nearrow$   $\nearrow$  *model*  $\nearrow$  *stuff we want to know about*