

**Film: Six °(Celsius) Degrees Could Change the World (1 hr 35 min)**

- 1.) When scientists talk about a change of 6°C globally they are not referring to fluctuations in daily temperatures but to a global average change. What were conditions like when the globe's average temperature was 6°C cooler than today?
  
- 2.) How many parts per million of carbon dioxide in our atmosphere is considered to be a dangerous level? What level are we currently at?
  
- 3.) What would the world look like if it were 1°C warmer?
  
- 4.) How are warmer temperatures affecting the migration of crops?
  
- 5.) What is involved in the carbon footprint a common product such as a cheeseburger?
  
- 6.) So, what is the carbon footprint of a cheeseburger in the US?
  
- 7.) How might an increase of 2°C affect the planet?
  
- 8.) What significant ocean system could break down that could magnify the warming effect?
  
- 9.) What is a glacial Moulin and why are they so dangerous in terms of speeding up glacial melting?

- 10.) How much would the melted Greenland Ice field raise sea levels by?
  
- 11.) In what way is the melting of Arctic Ice such a concern and a potential “runaway train”?
  
- 12.) How much warmer does it have to get before we are arguably at a “tipping” point of climate change?
  
- 13.) What major changes will a 3°C warming cause for the planet?
  
- 14.) What was the first global warming disaster to affect a wealthy nation in 2003 and what was the impact?
  
- 15.) What else happened during the 2003 heatwave that was an indication of another unforeseen side effect of warming?
  
- 16.) What ominous changes occurred in the Amazon river basin in 2005?
  
- 17.) What conditions are common to El Nino patterns and how might a 3°C warmer climate be affected by them?
  
- 18.) What would the planet be like with a 4°C average global warming?

19.) How will attempts to prevent flooding be different for developing countries compared to developed countries?

20.) How many refugees might there be with warming of 5°C?

21.) What would the consequences of an average global warming of 6°C be?

22.) What is ironic about our current global warming crisis due to the burning of fossil fuels, given the Earth's past history?

23.) What are some practical changes we must make in order to prevent warming of this scale?

24.) How much time do scientists believe we have to avoid going over the tipping point into accelerated global warming and climate change?

25.) **Make a commitment**: what 5 things can you commit to changing in your lifestyle to reduce your ecological footprint and cut down on energy consumption?