



This diagram has three components:

CAUSES OF GLOBAL CHANGE

Human activities and non-human factors that affect Earth system processes.

EARTH SYSTEM PROCESSES

Ongoing processes that shape the Earth through time.

MEASURABLE CHANGES

The evidence for global changes through time. Non-human causes of change tend to operate over long timescales (thousands to millions of years), while humans are causing major disruptions to the Earth system we can measure over relatively short timescales (decades, years, or less).