Humanity has altered the Earth system substantially:

- ~50% of the ice-free Earth surface are transformed, managed, utilized ecosystems
- Human-mobilized material and energy flows are comparable to natural flows

  We have fragmented or eliminated ecosystems, and innumerable species are in decline or already extinct.

  We changed the biosphere significantly over of the last 300 years, and we are creating the greatest extinction crisis since the natural disaster that wiped out the dinosaurs 65 million years ago.

  These extinctions are irreversible and threaten our own well-being.
- The magnitude of human-induced environmental changes at global scale is enormous