

Zusammenfassung:

Einleitung des Themas

The combined system of humanity and its environment is facing a global sustainability crisis consisting of many individual, interrelated and interacting crises. Since the reasonable responses and associated risks are unclear in this situation it is explored how this situation would be evaluated from the perspective of evidence based medicine.

Forschungsfrage

The two explored research questions are:

How does humanity approach the sustainability crisis of the earth-human-system and its treatment from the perspective of evidence-based medicine? Are there insights that can be drawn from this perspective for the improvement of the respective global human response?

Vorgehensweise / Methodik

Reference class forecasting is used as a framework, with treating a complex system into showing desired and avoiding undesired behavior as a reference class, which is reasoned on system thinking and complexity science. Then climate change as a subcrisis is analyzed from the perspective of evidence based medicine drawing on current scientific assessments and treatment approaches. This is afterwards broadened to the larger sustainability crisis taking into account the United Nations '2030 Agenda' for sustainable development. In a final step human capacity for forecasting is explored based on the concepts of Black Swans and Superforecasting followed by a discussion.

Ergebnis

From an evidence based medicine perspective our current procedure does not sound wise, advisable or responsible, while we seem to be in an emergency situation and globally disastrous outcomes the very likely outcome of current approaches. The way we deal with earth's metamorphosis and our reactions to the global sustainability crisis do neither reflect our knowledge of the workings and treatments of complex systems nor of emergency responses.

Schlagnworte (max. 5)

Evidence-based medicine, Sustainability, climate change, reference class forecasting, earth-human-system