



## Story-telling, Earth-Sciences and Geoethics

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People are engineers, even the artist. People like stories, even the engineers. Engineering shapes the intersections of humans and their environments including with the geosphere. Geoethics considers values upon which to base practices how to intersect the geosphere. Story-telling is a skilful human practice to describe perception of values in different contexts to influence their application. Traditional earth-centric narrations of rural communities have been lost in the global urbanisation process. These former-time narrations related to the "sacrum" – matters not possible to be explained with reasoning. Science and technology, industrialisation and global urbanisation require an other kind of earth-centric story-telling. Now at the fringe of the Anthropocene, humans can base their earth-centrivity on knowledge and scientific thinking. We argue that modern story-telling about the functioning of Earth's systems and the impact of humankind's activities on these systems is needed, also in particular because citizens rarely can notice how the geosphere intersects with their daily dealings; putting weather and disasters aside. Modern earth-centric story-telling would offer citizens opportunities to develop informed position towards humankind's place within earth-systems. We argue that such "earth-science story-lines" should be part of the public discourse to engage citizens who have more or less "expert-knowledge". Understanding the functioning of the Earth is needed for economy and values suitable for an anthropophil society. Multi-faceted discussion of anthropogenic global change and geoengineering took off recently; emerging from discussions about weather and hazard mitigation. Going beyond that example; we illustrate opportunities for rich story-telling on intersections of humans' activities and the geosphere. These 'modern narrations' can weave science, demographics, linguistics and cultural histories into earth-centric stories around daily dealings of citizens. Such earth-science narrations could convene value statements on how humankind activities intersect the geosphere; and thus, they are narrations on geoethics.