

How to Assess the Sustainability of Our Humanosphere? Towards the Development of *Humanosphere Index*

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Abstract

We have launched the development of the index for assessing the sustainable humanosphere. Considering the historical process of the complication, the environment we live could be separated to three spheres: geosphere, biosphere and humanosphere. To design our future, the harmonization of the each sphere's sustainability is essential. Based on the review of the ecological footprint and human development index, here we present the core ideology of the new index.

Sustainable interaction between two environmental spheres and the production activity by the human beings should be designed with consideration of the globe biological capacity, not only in a sense of resource withdrawal but purification of the substance that can harm our future possibility.

To avoid the dilemma between environment and development, we need to re-think what good life is. Regarding human development, economical activity itself might not be a good indicator as far as the extreme poverty is reduced. Further, health is vital for human activity so disability adjusted life expectancy was included to take account of the burden of disease, and education index was modified to focus on primary and secondary education. The process of the index development raised the key question for this research: how and what kind of quantitative indices can express the human well-being. Parallel discussion on the human well-being (conceptualization, quantification and integration) is vital for the next step.