

Achieving a decent living in emerging economies challenges national reductions goals

Topic: Input-Output Analysis: Sustainable Production and Consumption Policies - VIII

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Emerging economies face major challenges in improving their living standards for large population groups while stabilizing carbon emissions. We construct a new global MRIO model (EMERGING), focusing on all 208 emerging economies, to quantify emissions for achieving decent living standard (DLS). The results show that emerging economies in Asia and Africa will need more carbon space to achieve DLS compared with other regions, especially in mobility and electricity. The total emissions in the emerging economies to meet living standards (LS) of the USA is comparable to these of DLS. For more than half of the emerging economies that have emission reduction policies, the expected emission increments for DLS are larger than the emission reductions in their national emission mitigation targets.