

**COST OF ADAPTATION OF CLIMATE CHANGE- CRITICAL REVIEW
AND ESTIMATES FOR INDIA**

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ABSTRACT

Cost of Adaptation for Climate Change – Critical Review and Estimates for India

Significant changes in climate are already visible globally, and it is expected to be more pronounced in the future. These will lead to a range of impacts on the environment all over the world and therefore lead to economic costs. It is evident that if the emission of greenhouse gases stops today the temperature will still keep on increasing for the next decades. It is obvious that mitigation option alone is not enough, the society has to adapt to the new climate change. This study summarizes the existing conceptualizing of adaptation and review the studies on adaptation cost. Three main methodologies were identified:- top-down method, bottom-up method and impact assessment method. Those methodologies are applied in the Indian context. The study concludes that when the focus is on the impact assessment only the adaptation cost is under-estimate and when vulnerability is included the adaptation cost increases drastically.