

Changing levels and pattern of rainfall on climatic factors and their effect on output

Topic: Analysis of specific sectors: country case studies

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Quantum, time and space pattern of rainfall influences climatic factors which, in their turn, affect agriculture, forestry and animal husbandry sectors directly. Change in output of these sectors, in their turn, affect output of several other sectors, drawing intermediate inputs from these sectors. Final consumption expenditure on selected goods is also affected since change in output changes purchasing power in the hands of consumers. This also exercises influence on output of several sectors through backward, forward and residentiary linkages and income of those sectors associated with such sectors.

The proposed study shall examine the inter-relations of rainfall with output of selected sectors. These effects will be fed into IO model as supply side allocation constraints of intermediate inputs for different sectors of the economy. IO model may be combined with LP model for this purpose. The models shall be applied to Indian data collected from various published sources.