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(57) Abstract :
The present disclosure provides a satellite-based natural calamity prediction system (100) configured to facilitate assessment of insurance policies offered against damages caused by the natural calamities. The system (100) includes one or more sensors (102) coupled to the satellite, the one or more sensors (102) being configured to detect one or more attributes pertaining to weather and environmental conditions of one or more predetermined regions. A processing unit (108) is enabled to analyze the one or more attributes and generate predictions pertaining to the natural calamities, the predictions being further used to evaluate merits and risks of the insurance policies. A set of output signals generated by the processing unit (108) is configured to be monitored in real-time using a display unit (104). The set of output signals is enabled to be transmitted to a server (110) through a communication network (106), the server being configured to store the set of output signals for future access.

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