

The Application of Multi-model Risk Assessment in Natural Disaster Risk Trend Analysis











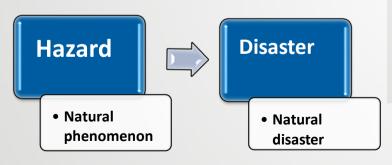
I. Technical Guideline of Integrated Risk Monitoring and Early Warning

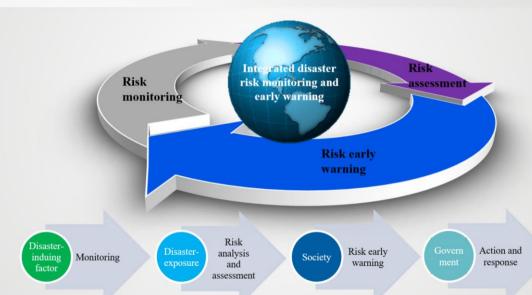


General guidelines of integrated risk monitoring and early warning

Integrated risk monitoring and early warning

Carry out a three-dimensional, dynamic monitoring, risk assessment analysis and early warning in an all-round way, covering the whole processes in the development and changes of various disaster-exposing and disaster-inducing factors of multiple disaster types, disaster chains and disaster systems



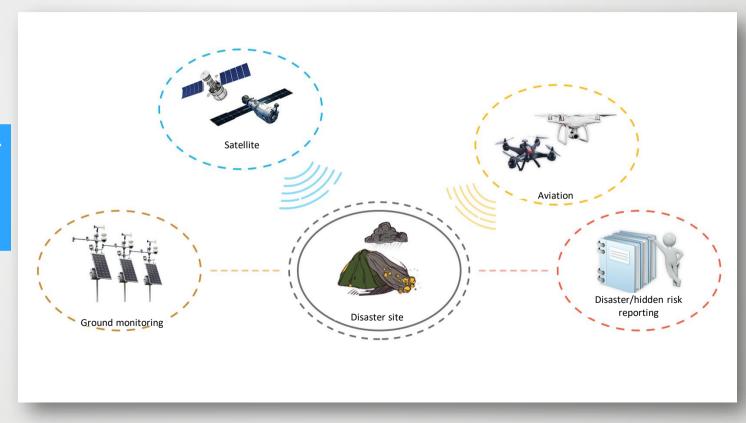


I. Technical Guideline of Integrated Risk Monitoring and Early Warning



National-level risk monitoring and early warning—risk monitoring

Build a "Space-Air-Ground-Site" integrated monitoring system

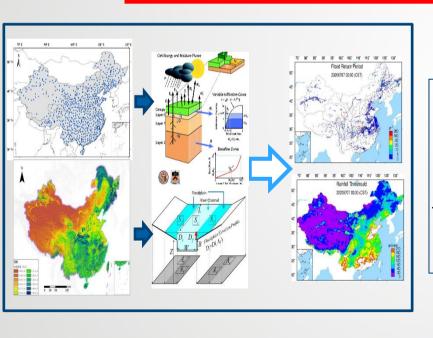


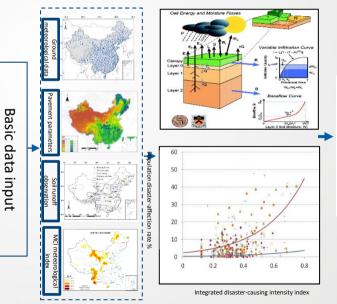
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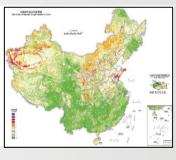


National risk monitoring and early warning—risk assessment and analysis

Multi-model risk assessment and analysis tools, such as big data analysis, simulation calculation and risk prediction

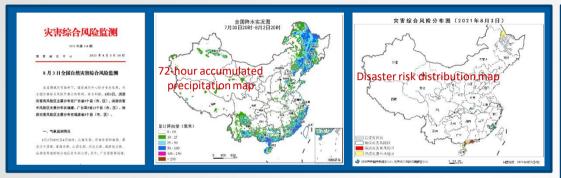




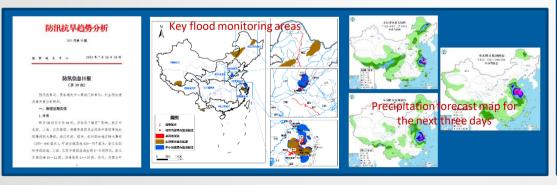


II. Risk Monitoring and Early Warning Products

Daily Risk Monitoring Analysis (flood + geological disaster)



> Flood and Drought Analysis



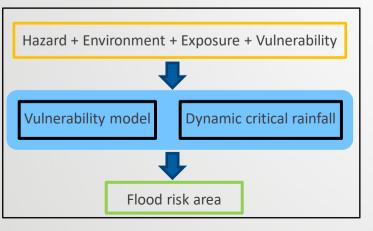
> Typhoon Risk Monitoring Analysis

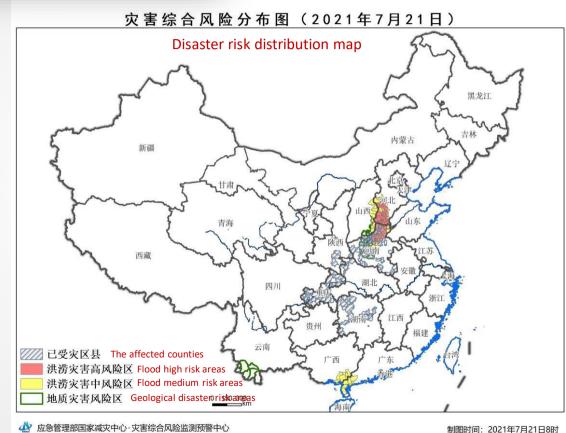


II. Daily Risk Monitoring Analysis Report

KEY ELEMENTS

- I. Meteorological information
- II. Disaster risk assessment
 - -Flood
 - -Geological disaster
- III. Precautionary advice

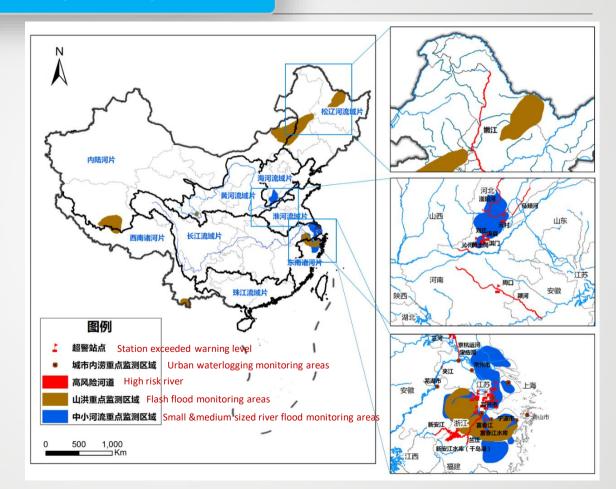




II. Flood and Drought Analysis Report

KEY ELEMENTS

- I. Precipitation, water levels, and the condition of flood
- II. Forecast and predication
 - -Future rainfall
 - -Water forecast and risk analysis
- III. Remote sensing monitoring
- -Satellite remote sensing monitoring
 - -Aerial remote sensing monitoring
- IV. Focused attention
- V. Recommendations





> II. Typhoon Risk Monitoring Analysis Report

KEY ELEMENTS

- I. Typhoon information
- II. Risk monitoring analysis
 - -Rainfall monitoring analysis
 - -Wind monitoring analysis
 - -Storm surge monitoring analysis
 - -Ocean waves monitoring analysis
 - -Typhoon risk analysis
- III. Historically similar typhoon
- IV. Recommendations



Thank you...