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Space Assets and Disaster Management (4)

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NASA DISASTER RESPONSE

**Abstract**

NASA and its partners are working to provide actionable data from a variety of space/airborne resources and scientific capabilities in order to provide responders with information to assist in the relief and humanitarian operations after a disaster. The presentation will focus on NASA's plans, strategies, future work and partner collaborations in enabling rapid assessment for Disaster Response. The talk will also focus on previous response examples highlighting some of the products generated, such as ground based geodetic observations and optical/radar data from international and domestic partners, to compile a variety of products, including "vulnerability maps," used to determine risks that may be present, and "damage proxy maps," used to determine the type and extent of existing damage. A synopsis of lessons learned useful for responding to future events that would improve the effectiveness of an agency wide response will also be presented.