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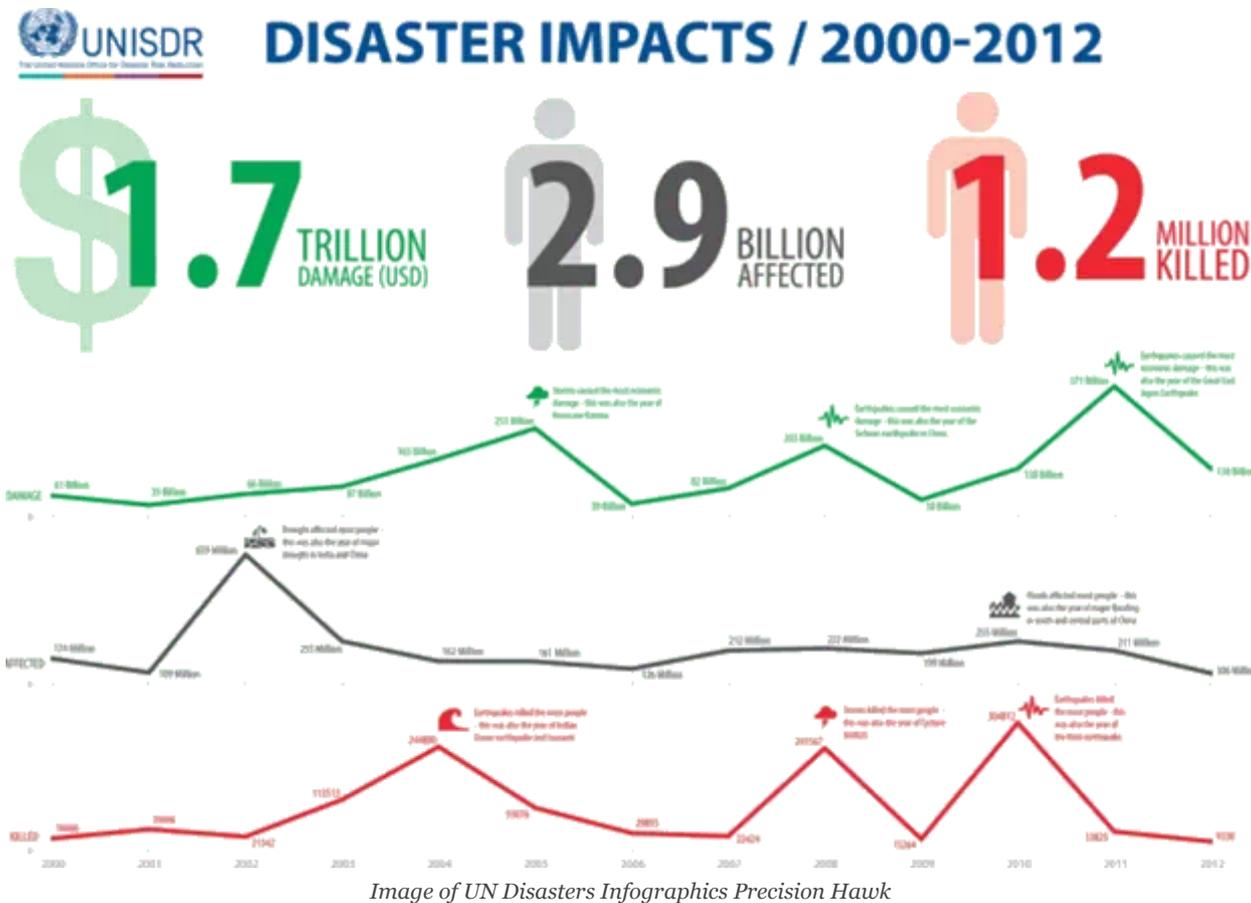
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NDMA Considering UAVs in Disaster Management (Download PDF)

(December 1, 2017)

National Disaster Management Authority (NDMA) is considering Application of Unmanned Aerial Vehicles (UAVs) in Disaster Management by improving the capacity of stakeholders to use UAVs and related technologies for better disaster preparedness and response.

Image of UN Disasters Infographics Precision Hawk

Advantages of Using UAV in Disaster Management

According to data from the United Nations Office for Disaster Risk Reduction, disasters have caused 1.2 million deaths, affected 2.9 billion people, and caused 1.7 trillion in damages from 2002 to 2012. Drones can be useful because:

- UAVs deliver quick and efficient disaster response.

- UAVs can be effectively used in different phases of disaster management - UAVs provide high-resolution, real-time images of even the inaccessible locations, which can be used to

produce accurate hazard maps for prevention and mitigation measures for reducing disaster risks are planned accordingly.

- In a post-disaster situation, UAVs can map the affected areas in high resolution within a short time, which, in turn, can aid swift and efficient response.

- They provide safety for first responder especially in the case of earthquakes, landslides, hurricanes, and wildfires where first responders are deployed immediately in rough, often unexplored and dangerous working conditions

- Published/Last Modified on: December 1, 2017

Disaster Management

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