

IAF EARTH OBSERVATION SYMPOSIUM (B1)  
20th Anniversary of the Disaster Charter: History, Status and Future of this Powerful and Productive  
International Cooperation (6)

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FIRE CASES ACTIVATED IN THE INTERNATIONAL CHARTER

**Abstract**

Recently, fires are the increasing major disaster threatening our lives and destroying natural resources, and there were unprecedentedly huge fires worldwide in 2019. The wildfires caused by clearing fields for cultivation spread out into inland regions of Brazil. These wildfires burned more than seven million hectares according to Brazilian officials and grew out of control, leading the international community to call for the countermeasures to improve the Amazon devastation and industrial structure for forest development. Australia wildfires, which started in June 2019 and lasted until February 2020, was the worst fires in Australian history. More than 7.3 million hectares were burned across Australia's six states, over 6,000 buildings were destroyed and damaged, and about half a billion animals have been affected by the fires. Due to accelerating global warming, the risks of forest fires are also increasing. The International Charter on Space and Major Disasters has been supporting 49 wildfire cases since its initiation in 2000 (as of 2019) by providing multiple satellite image data to figure out the scope and analyze damages. This study will review the fire cases activated by the International Charter, focusing on the analysis of data distribution about the delivery time, data quantity, and data values, usable application purposes, user feedback, and further needs to improve the International Charter function.