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Ongoing and Upcoming Mission Highlights

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Near-Earth Object (NEO) Discovery

NEO Characterization

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The Decision to Act: Political, Legal, Social, and Economic Aspects

**PROPOSAL OF CREATION OF A PLANETARY DEFENSE OFFICE IN BRAZIL
BASED IN EXISTING CAPABILITIES**

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ABSTRACT

Over the past few decades, global efforts have been undertaken by various countries through their independent space agencies, universities, and observatories, for identification, characterization, screening, and studies of strategies and technologies that can mitigate possible threats of cosmic bodies that are at risk of risk collision with the earth. In 2016, the National Aeronautics and Space Administration (NASA) created the Planetary Defense Coordination Office (PDCO), which is the Planetary Defense Coordination Office) to manage its planetary defense mission by placing the United States as a global leader in this area. Other countries, represented by their spatial agencies, also coordinate efforts in this regard, such as the European Space Agency - ESA, which also created its Planetary Defense Office. In this context, considering that Brazil is a country of continental proportions, a regional leader in space activities, and in which cosmic events have been observed in recent years, through a research endeavor, there is no mention or official Brazilian participation in initiatives for planetary defense. Having identified this gap, this article aims to present an initial proposal of necessary capabilities in case of a NEO event in Brazil, so that Brazil has a defined structure with functions and responsibilities to respond to this type of sidereal risk. This work will contribute to the advancement of studies regarding structuring strategic offices to coordinate the Planetary Defense response.

Comments:

(Oral presentation)

Key International and Policy Developments