

THE INTERNATIONAL YEAR OF PLANETARY DEFENSE, 2029. D. Daou¹, ¹NASA Headquarters, Planetary Defense Coordination Office, 300 E St. SW, Washington, DC 20546, USA, Doris.Daou@nasa.gov.

Introduction: The International Year of Planetary Defense 2029 (IYPD2029) will be a global raising awareness opportunity of protecting our planet Earth against possible hazards from Space, such as asteroids, the science behind it, and its contributions to ensuring human security, stimulating worldwide interest in asteroids not only as a source of information about the origins of our Universe but also about Planetary Defence and its role in keeping our planet safe and societies resilient to potential hazards from Space.

IYPD2029 will mark the monumental leap forward in a global effort in planetary defense and portray it as a peaceful global scientific endeavor that unites scientists in an international, multicultural family of scientists working together to defend our planet against the potential hazards of Near-Earth Objects. IYPD2029 is, first and foremost, an activity for the citizens of Planet Earth. It aims to convey the excitement of personal discovery, the pleasure of sharing fundamental knowledge about asteroids, comets, meteorites, Near Earth Objects and the value of the scientific culture.

The vast majority of IYPD2029 activities will take place on several levels: locally, nationally, regionally, and internationally. Several countries have already formed national committees to prepare activities for the close approach of the asteroid Apophis in 2029. These committees are collaborations between professional and amateur astronomers, science centers and science communicators. In this presentation, we aim to inform the community about the work that is underway and invite further partners to be involved and collaborate in the variety of planned efforts.