

# 4<sup>th</sup> International Asteroid Warning Network (IAWN) Meeting

Current Status & Agenda

13 Oct 2016

Pasadena, California USA

*Rob Landis  
Tim Spahr*

# 4<sup>th</sup> Int'l Asteroid Warning Network Mtg

- Formal Establishment of PDCO
- IAWN at UNCOPUOS
- New IAWN Page
- Current IAWN members
- IAWN mentioned in forthcoming exercises
  - Erd FEMA Table Top Exercise
  - Table Exercise at PDC 2017
- IAWN at PDC

# Planetary Defense Coordination Office

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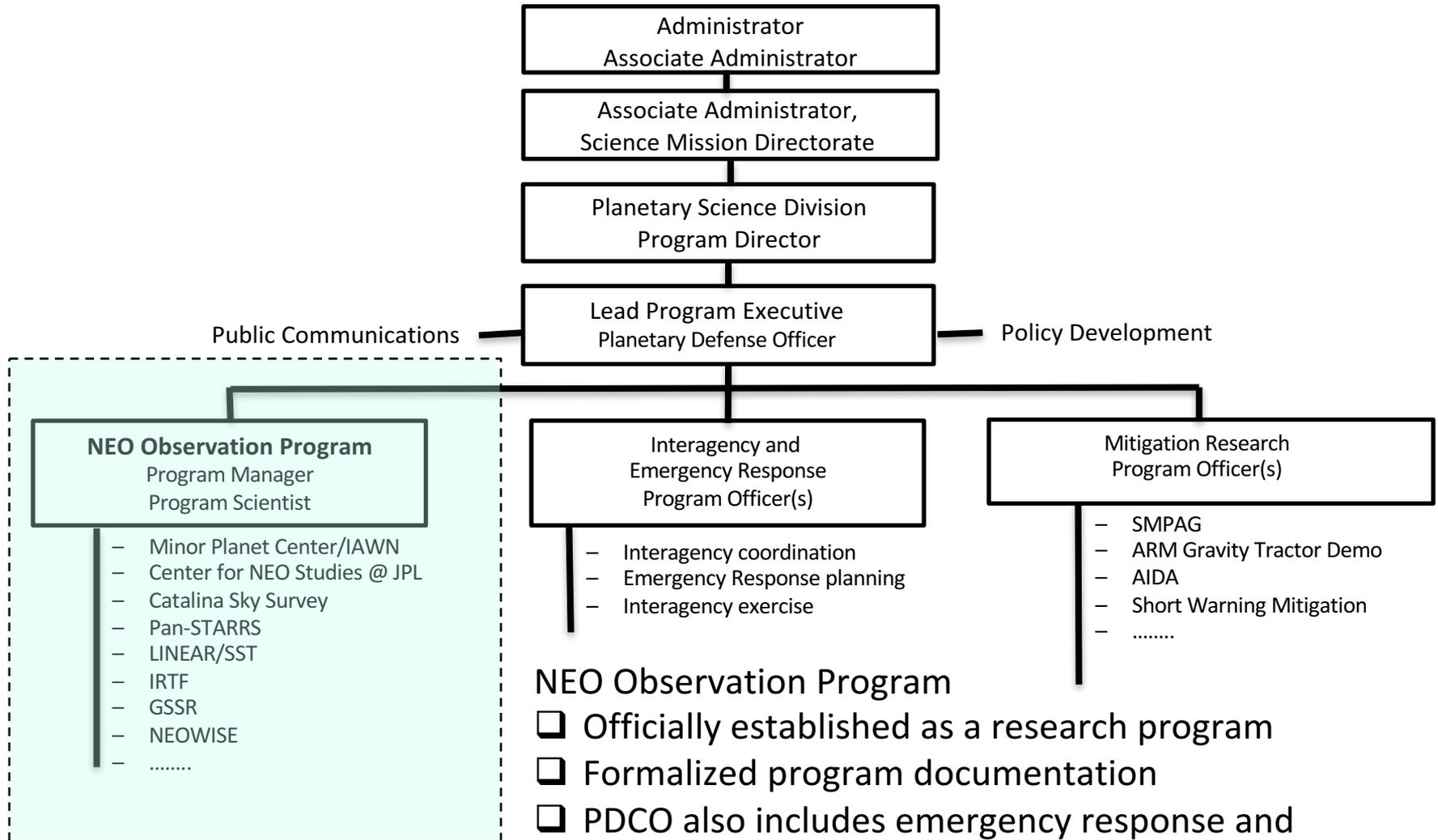
**This new office was recently established at NASA HQ to coordinate planetary defense related activities across NASA, and coordinate both US interagency and international efforts and projects to address and plan response to the asteroid impact hazard.**

## **Planetary Defense Coordination Office Mission Statement:**

**Lead national and international efforts to:**

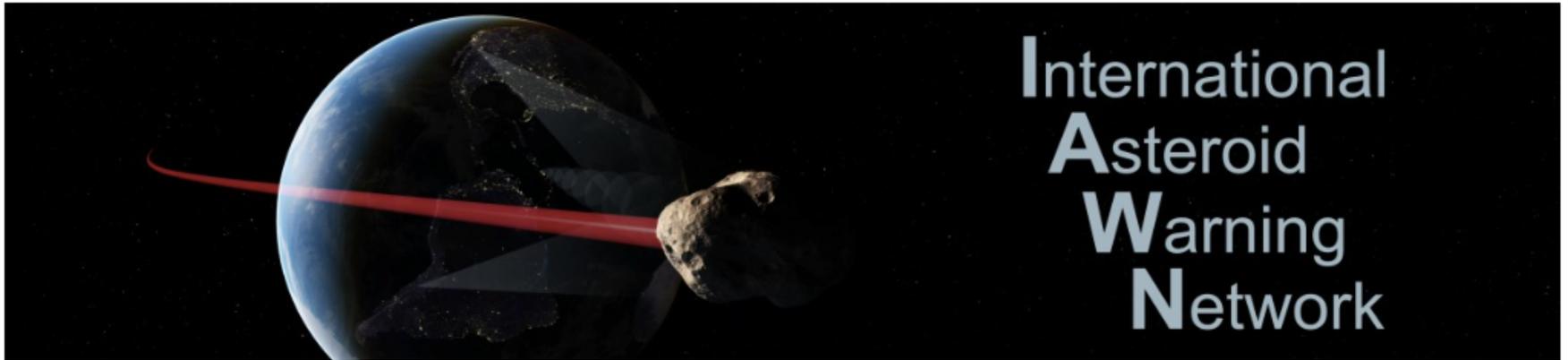
- Detect any potential for significant impact of planet Earth by natural objects**
- Appraise the range of potential effects by any possible impact**
- Develop strategies to mitigate impact effects on human welfare**

# Planetary Defense Coordination Office



## NEO Observation Program

- Officially established as a research program
- Formalized program documentation
- PDCO also includes emergency response and mitigation elements
- PDCO Staffing at ~5.0 FTE



# Asteroid 2016 TS54 close approach



IAWN

Asteroid designation: 2016 TS54  
 Discovery station: Mt. Lemmon Survey  
 Close approach date (UTC): 2016 10 10 19

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## RECENT POSTS

<http://www.iawn.net>

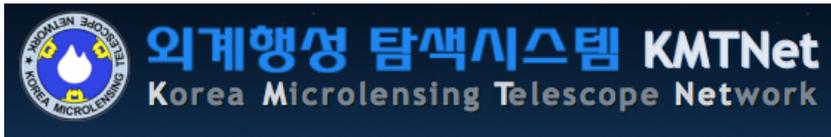
# Signatories to IAWN



National Institute of  
Astrophysics, Optics & Electronics



Korean Astronomy Space  
Science Institute (KASI)



European Southern Observatory (ESO)



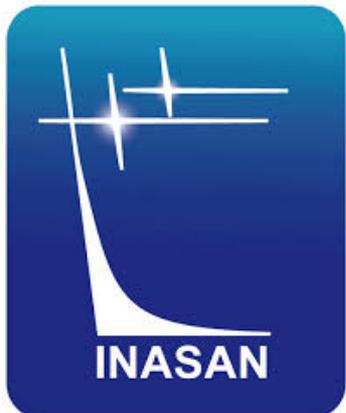
University of Nariño, Colombia



Institute of Astronomy,  
Russian Academy of  
Sciences (IHACAH)

As well as NASA & ESA

Peter Birtwhistle  
*(follow-up  
observer, UK)*



A satellite view of Earth at night, showing city lights and a solar panel array. The solar panel array is a large, rectangular grid of solar cells, illuminated from the left, creating a bright orange glow. The Earth's surface is dark, with city lights appearing as bright yellow and orange spots. The background is a deep black space.

# IAWN *vis-à-vis* Exercise

- Next FEMA Table Top
- PDC 2017
- . . . and future exercises