



## **From the IAWN Statement of Intent:**

“The intent of the International Asteroid Warning Network (IAWN) is to establish a worldwide effort to detect, track, and physically characterize near-Earth objects (NEOs) to determine those that are potential impact threats to Earth. This network is comprised of a partnership of scientific institutions, observatories, and other interested parties performing observations, orbit computation, modeling, and other scientific research related to the impact potential and effects of asteroids.”



## **Signatories to the International Asteroid Warning Network (IAWN)**

**Currently 40 signatories from over 20 countries**

**[iawn.net/about/members.shtml](http://iawn.net/about/members.shtml)**

### **Newest Signatories to IAWN :**

Grupo Astrofili Montelupo (Gr.A.M.) "Beppe Forti" K83, Italia

Observatorio J87 La Cañada, España

Articles, information on signatories and observing campaigns, and more can be found on the IAWN website at [iawn.net](http://iawn.net)



## Highlights from the 15<sup>th</sup> IAWN Steering Committee Meeting

- DART update from NASA and LICIACube update from ASI
- Updates from IAWN Signatories NASA, ESA, Sormano Astronomical Observatory, and KASI
- Luca Buzzi/204 led a discussion on best practices for stacking images for submission to MPC (i.e., do not include the same images in multiple stacks)
- Eric Christensen of the Catalina Sky Survey presented a target brokering service for NEO astronomers called NEOFixer which matches the capabilities and location of an observatory with objects in need to additional observations.



## Highlights from the 15<sup>th</sup> IAWN Steering Committee Meeting

- Doris Daou and Romana Kofler reported on the current status for proposing a UN International Year focusing on near-Earth asteroids and planetary defense activities.
  - UN member states would ultimately need sponsor such a proposal, so engagement with interested organizations and parties is underway
- Andy Williams of ESO gave an update on the activities of the IAU Centre for the Protection of the Dark & Quiet Sky (hosted by NOIRlab and SKAO)
  - The Centre's hubs work to research satellite constellation impacts to optical and radio astronomy, bridge between stakeholders, coordinate efforts, and provide information and resources to the community
  - In discussion with delegations about plans for an agenda item for the 2023 STSC



## Highlights from the 15<sup>th</sup> IAWN Steering Committee Meeting

- Minor Planet Center director Matt Payne reported on ongoing activities including development and automation activities and community interfaces. Gerbs Bauer also presented on MPC products and relevant tools, such as the MPEC watch tool, that are hosted on the MPC Annex website and accessible from the MPC website.
- A draft Terms of Reference for IAWN Steering Committee membership guided by the IAWN Statement of Intent was adopted during their executive session; nominations will soon be solicited from the IAWN signatory community for consideration.



## Highlights from the 15<sup>th</sup> IAWN Steering Committee Meeting

### Upcoming IAWN Observing Campaign - 2005 LW3 Timing Campaign

*Presented by Davide Farnocchia and Vishnu Reddy*

- Goals
  - To assess improvements to data quality from the 2019 XS Timing Campaign in November 2021, which can inform data treatment in orbit determination
  - To help observers identify remaining issues with timing and with reported uncertainties
  - Observe a well-known NEO and submit observations to the Minor Planet Center
- Announcement expected within the next week for a campaign through November
- Individual reports will be sent to observers