ロゴ

自動的に生成された説明30 March 2023

To:

Dr. Kelly Fast

International Asteroid Warning Network Steering Committee,

**Subject: JAXA participation on IAWN**

On behalf of the planetary defense study group of JAXA, I am pleased to inform you about our intention to participate in the International Asteroid Warning Network. JAXA has NEO missions such as Hayabusa and Hayabusa2. In addition to this, JAXA has NEO observation facilities as shown in the table below. We have developed a new method to detect fast moving objects. Therefore, I think JAXA can contribute to the activities of IAWN.

|  |  |  |
| --- | --- | --- |
| **Facility**  Location,  Observatory code | **Telescope, instruments** | **Contribution** |
| Bisei Spaceguard Center  Ibara, Okayama, Japan  Obs. code : P93 | ・1m telescope, 1.2×2.4 deg  2k×4k CCD × 4 mosaic  ・50cm telescope, 1.7×1.7 deg  2k×2k CCD | Observations of space debris and asteroids are carried out daily. |
| Mt.Nyukasa Observational facility  Nyukasa mountain, Nagano, Japan  Obs. code : 408 | ・60cm telescope, 1.17×1.17 deg  ・35cm telescope, 1.2×1.2 deg  ・18cm telescope×2, 3.5×3.5 deg  2k×2K CCD  2k×1.1k CMOS | Observations of space debris and asteroids are conducted irregularly. |
| Chofu LEO Observational facility  Chofu, Tokyo, Japan  Obs. code : none | ・35cm telescope, 0.2×0.15 deg  1.3k×1k CCD  5.3k×3.6k CMOS  4k×2.8k CMOS | Observations of space debris and asteroids are conducted irregularly. |
| Remote observation site at Siding Spring Observatory  in Siding Spring Observatory, NSW, Australia  Obs. code : Q66 | ・18cm telescope (Quadruplets)  4.22×4.22 deg, 4.3×2.4deg ×2,  3.5×3.5 deg  ・18cm telescope, 3.5×3.5 deg  ・25cm telescope, 2.25×2.25 deg  2k×2k CCD ×3  4k×4 CMOS  2k×1.1k CMOS×2 | Remote observations of space debris and asteroids are being conducted. |
| Remote observation site at Zadko Observatory  in Zadko observatory, WA, Australia  Obs. code : to be obtained | ・18cm telescope (twin)  4.3×2.4 deg  (currently only one is working)  2k×1.1k CMOS | Remote observations of space debris and asteroids are being conducted. |

Makoto Yoshikawa

Planetary Defense Study Group / JAXA