

Session 2:

The NEO population: Known and Unknown

Summary Points:

- Much is known and unknown
 - About half of population at Apophis size (~300m) already discovered
 - But only a few percent at 100m size discovered
- It would be better to have a more complete catalog to understand available target list
 - NEOO is a solid basis to build on
 - But by when?
- Size is a major uncertainty
 - Small objects are usually fast rotators
 - Size determination can be done with IR, radar, spectral measurements
- Follow-up observations are key
 - Uncertain orbits and lost objects, and implications
- Focused efforts with dedicated assets could greatly reduce unknowns within 10 years