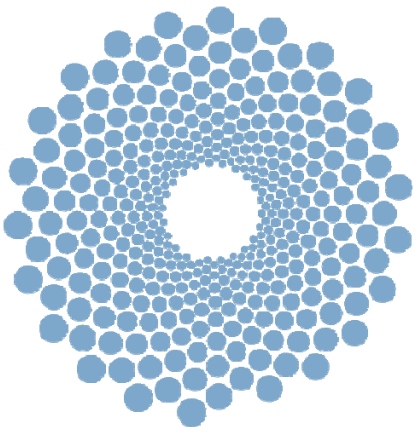
21st May

Physical properties of asteroids

lead: Robert Jedicke

- Which physical asteroid properties are relevant to the impact hazard?
- Which physical asteroid properties are relevant to ISRU?
- How do we measure them and how well do they need to be measured?
- How complete do the measurements need to be? Per object and for the population.



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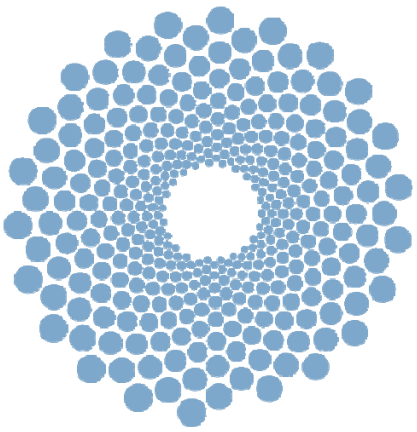
22nd May

Spacecraft Missions

lead: Camilla Colombo

- How do we select an asteroid deflection method as a function of asteroid parameters?



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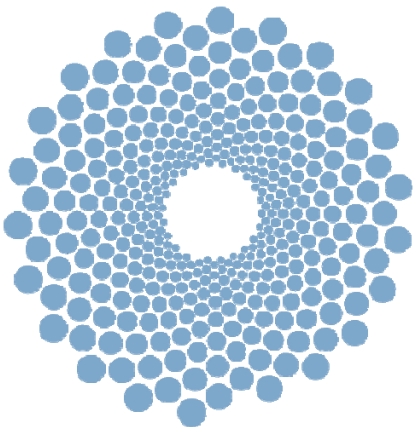
22nd May

Impact & Atmospheric Effects

lead: Robert Jedicke

- What are the steps to be taken after the SDT report? How it be improved?
- Is there more that can be learned from infrasound?
- How can we improve the infrasound network? What are the benefits & cost?
- What studies are still needed to improve understanding of impact and atmospheric effects?

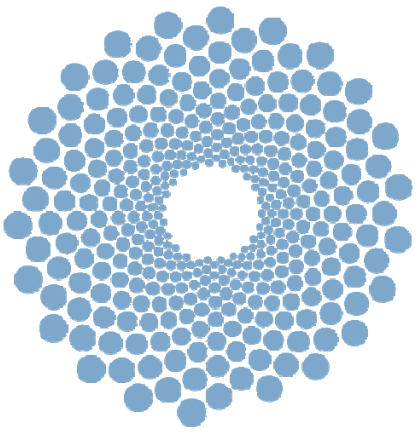


23rd May

Interstellar Objects as NEOs

lead: Richard Wainscoat

- What are their origins?
- How many do we expect from LSST?
- What is the impact threat?
- Can surveys be modified to enhance discovery?



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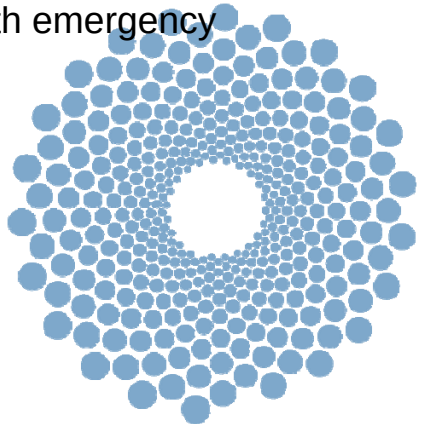
23rd May

Consequences and coordination of Impact response

lead: Detlef Koschny

- What is the current flowchart?
- Which information do we think should be distributed to emergency response agencies?
- What information would emergency agencies want?
- Who should be distributing which information?
- What should asteroid experts provide in terms of information after the event?
- What would be the role of IAWN?
- Should a scientist be the point person?
- How do we communicate uncertainties?
- How do countries/governments/space agencies resolve conflicting concepts on how to respond?
- How do you make the choice between shelter in place and evaculate?
- Do we understand the consequences of impact over ocean, and impact over shallow water?
- What level of knowledge regarding NEOs is there with emergency agencies in countries outside US and Europe?"

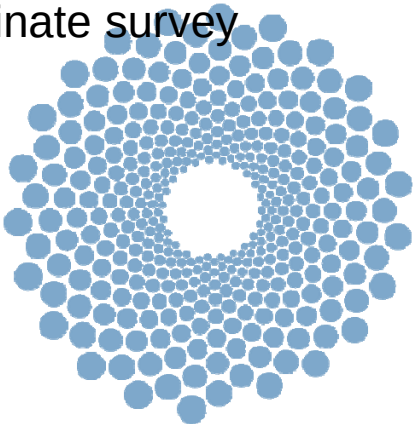


24th May

Surveys

lead: Richard Wainscoat

- What do we need to do to ensure that no NEOs brighter than V=22 escape detection?
- What do we need to do to complete the inventory of NEOs larger than 1km?
- Is there a need for more followup assets? Especially to the west of Hawaii?
- Especially in the era of LSST?
- How should Signal-to-Noise be computed - using the peak pixel value vs. background, or an integrated, aperture-related approach? - this is relevant to understanding survey completenessIs there a need for surveys other than LSST?
- Is there a need for space-based surveys and/or followup?
- Is it possible to optimize a single survey for NEO discovery?
- Is it possible, necessary, desirable to coordinate survey patterns between surveys?

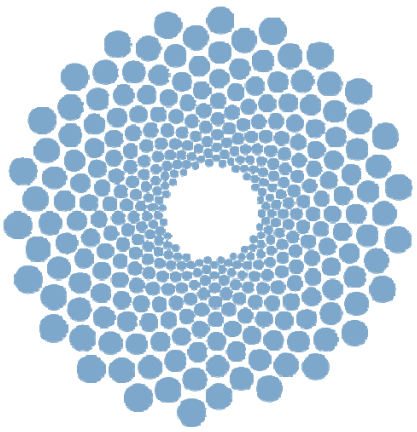


24th May

Dynamics and Impact Monitoring

lead: Camilla Colombo

- Asteroid deflection
- Dynamics specific to ISRU issues
- Resonant issues
- Dynamics of orbits around NEOs
- NEO encounters with Earth



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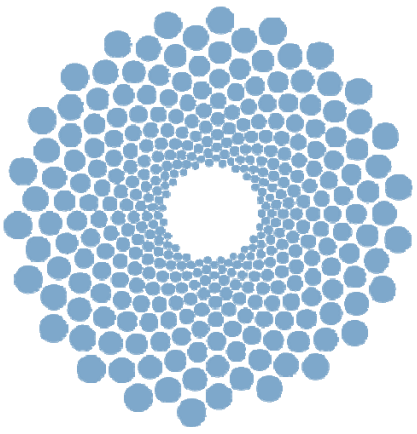
25th May

Asteroid Followup

lead: Richard Wainscoat

- How should it be prioritized?
- Is it necessary to followup anything *but* VIs?
- Are PHOs a good proxy for impactors?
- Is followup necessary in the LSST era?



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