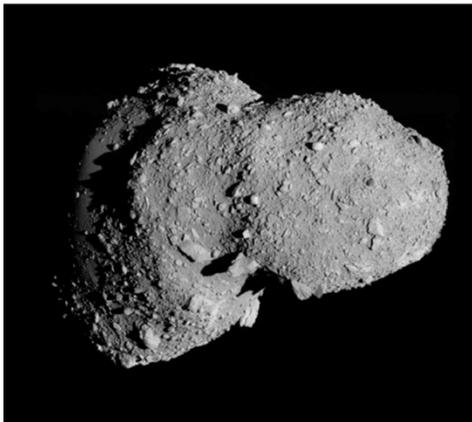


National Aeronautics and Space Administration



Summary of Asteroid Initiative RFI

Chris Moore, Human Exploration & Operations Mission Directorate

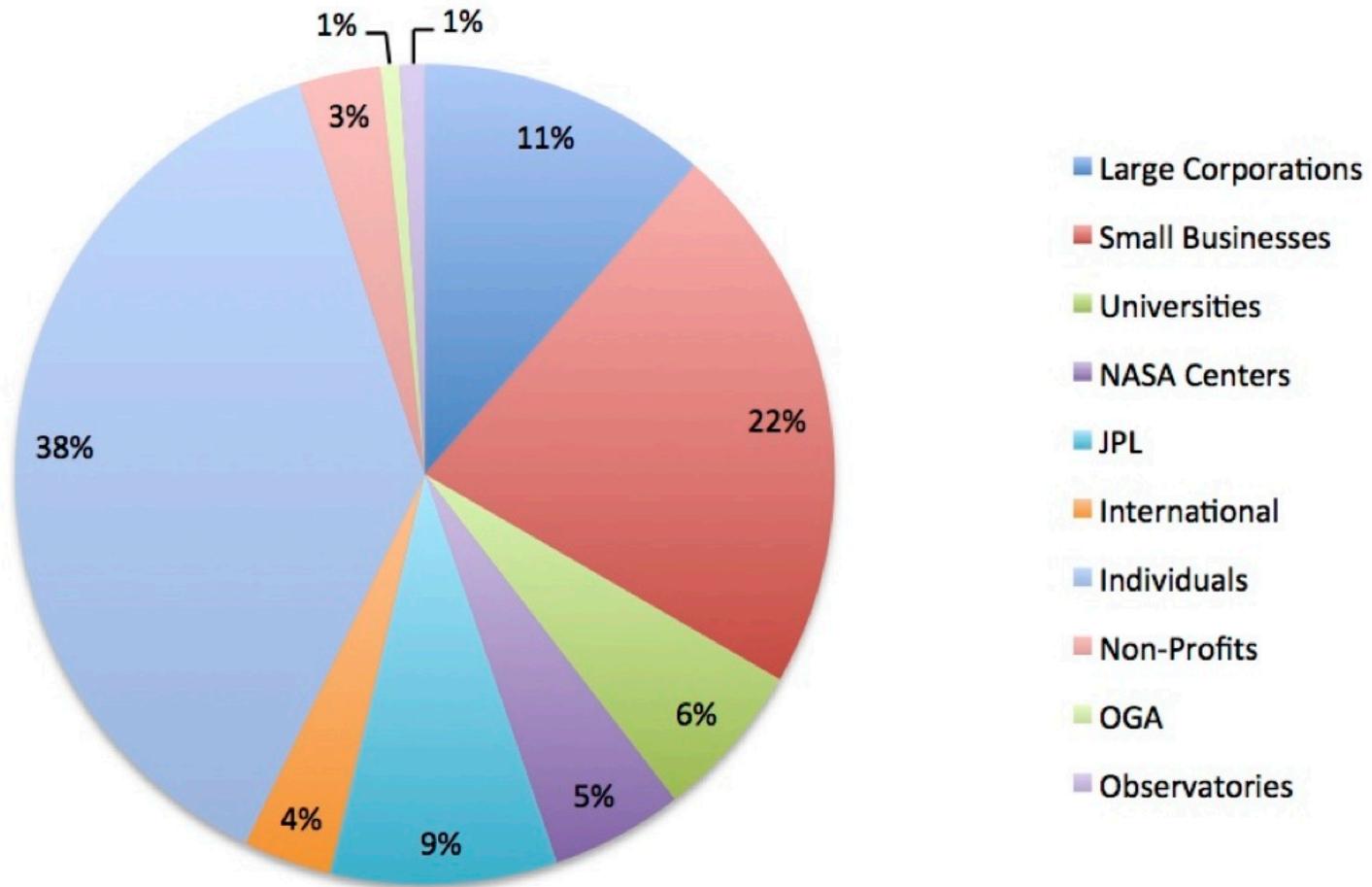


Asteroid Initiative RFI

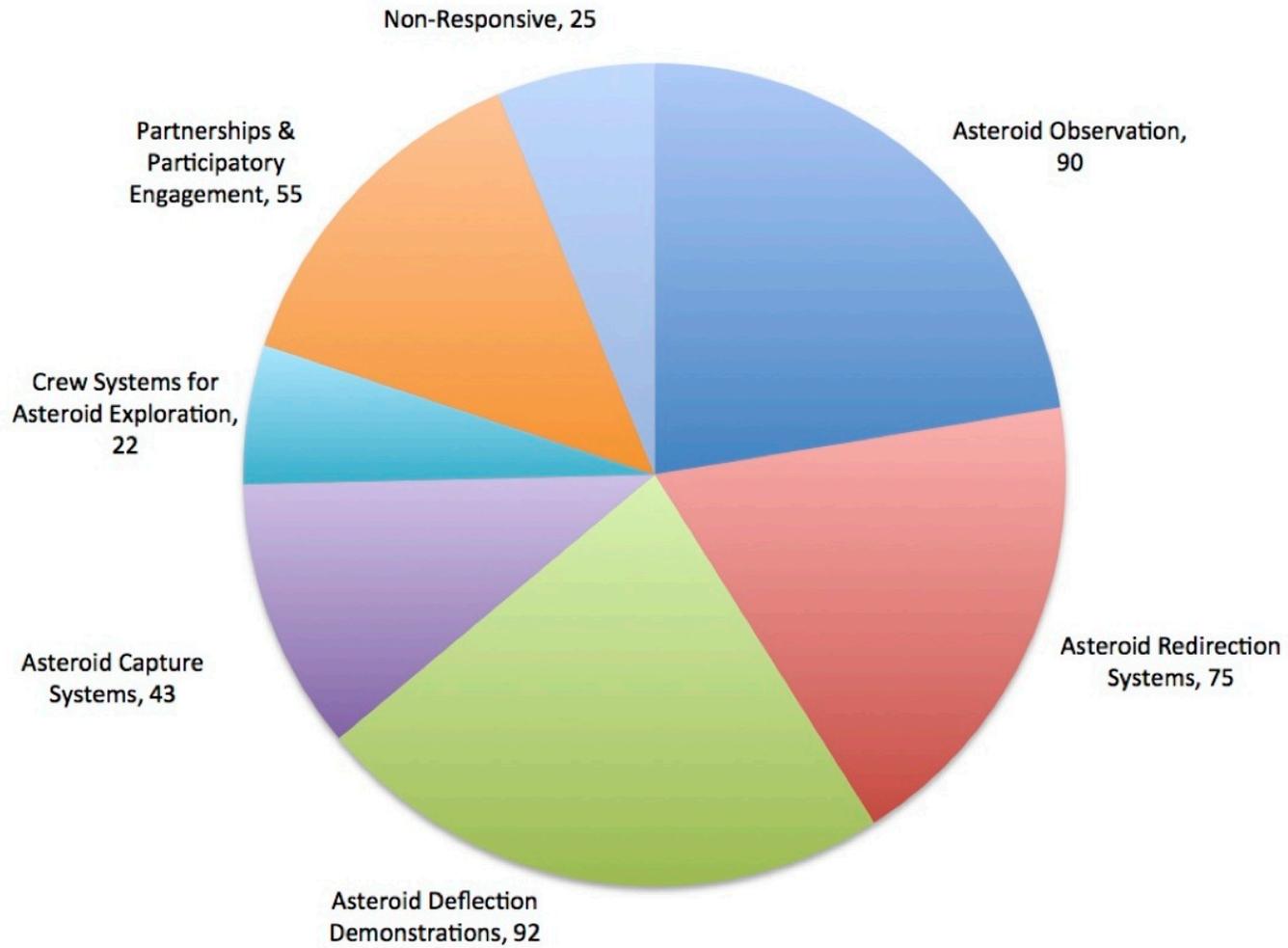


- Asteroid Initiative RFI was released on June 18 to help NASA refine the Asteroid Redirect Mission concept, formulate plans for flight systems development, and gather ideas for broadening participation in the mission and planetary defense.
- Information was requested in six main areas:
 1. Asteroid Observation
 2. Asteroid Redirection Systems
 3. Asteroid Deflection Demonstrations
 4. Asteroid Capture Systems
 5. Crew Systems for Asteroid Exploration
 6. Partnerships & Participatory Engagement
- RFI was open to individuals and all types of organizations.
- RFI closed on July 18. Received 402 responses.

Responses by Type of Organization



Responses by Area



International Responses from 16 Countries



Country	Responses
UK	8
Australia	5
Italy	4
South Africa	3
Canada	3
Israel	1
New Zealand	1
Ukraine	1
Chile	1
Finland	1
Netherlands	1
Sweden	1
Poland	1
Germany	1
Uganda	1
Brazil	1
TOTAL	34

Evaluation Criteria



The RFI responses are being evaluated by a team of NASA reviewers according to the following criteria:

- **Factor 1: Relevance to RFI objectives.** Does the response demonstrate a clear understanding of the objectives outlined in the RFI? Does it address one of the six main areas?
- **Factor 2: Impact.** Does the idea have the potential to make a major impact in ensuring mission success, accelerating asteroid observations, improving system performance, reducing risk, etc? Is the idea innovative? Is the idea feasible?
- **Factor 3: Maturity.** Is the concept or technology sufficiently mature that it can be incorporated into mission plans? Does the response outline a development approach?
- **Factor 4: Affordability.** Does the concept or technology have the potential to significantly improve mission affordability?

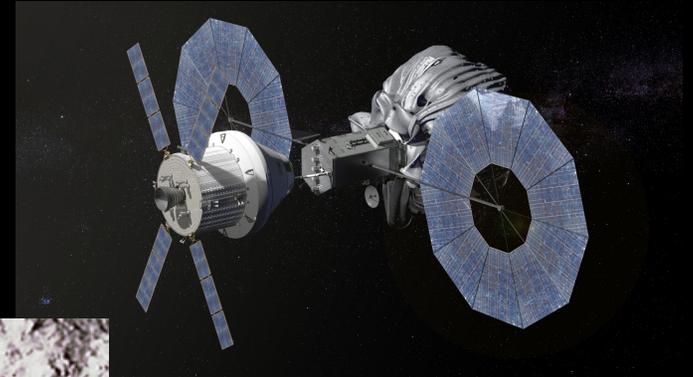
Session Leads Synthesis Outbriefs - Friday Morning



- 1. Session Purpose**
- 2. RFI Selection Process**
- 3. Agenda**
- 4. Key Topics Discussed**
- 5. Findings for Asteroid Redirect Mission Planning***
 - Summary of the most promising ideas, including their innovativeness and potential for improving mission/system performance and affordability.
 - Any technology development needed to mature the ideas to the point where they can be incorporated into system designs.
 - Relationships or linkages between the ideas that could help with mission/system concept integration.
 - Further studies or next steps
- 6. Findings for Grand Challenge Planning***
 - Summary of the promising ideas
 - Identification of overlap and synergy between the presented ideas
 - Prioritization of immediate actions

* Some can be combined, if appropriate

Asteroid Redirect Mission: A Milestone in History



For the first time, we will
be rearranging the solar
system to bring
humanity greater
prosperity and security

