Lunar Missions Outreach and International Lunar Decade

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http://planetary.org
The Planetary Society

- Founded in 1980 by Carl Sagan, Bruce Murray, and Louis Friedman
  - Exploration of our solar system
  - Search for extraterrestrial life.
- Largest space interest in the world
- Membership open to all
- Non-profit, nongovernmental
  - funded by dues, donations,
  - corporate sponsorships
  - No government money
- Headquarters in Pasadena
The Planetary Society

• Projects
  – Involve and excite public
  – Fill otherwise unfilled niches
  – Test innovative technologies
  – Inspire future generations

• Advocacy
  – Grass roots, Political, International

• Publications
  – The Planetary Report
  – Planetary.org
  – Planetary Radio (planetary.org/radio)
International Lunar Decade: Purpose

• Propose an “International Lunar Decade”
• Cooperation among spacefaring nations planning lunar missions
  – International frameworks are need for both mission cooperation and development of a global vision for space exploration
  – The ILD can help
• Framework for support to scientists in developing countries for lunar research and space participation
• Public education and outreach bridging interest in science and exploration, including in human return to the Moon
• 2007 – 2019; open for discussion
  – 2007: Selene & Chang’E, 50th Anniversary
  – 2019: Humans on the moon?
• Endorsed by ILEWG
Int’l Lunar Decade: Precedents

- International Geophysical Year: 1957-58
  - The space age
- International Polar Years: 1882-83; 1932-33; 2007-08
- International Space Year: 1992-94
  - Mission to Planet Earth
  - US-Russian cooperation
- International Halley Watch
  - Astronomy observations
  - Mission navigation coordination
  - Space agencies cooperation
Planetary Outposts

Planetary Outposts: systematically building up sustained robotic, then human assets at selected sites on a given planetary body.

This strategy would serve to focus and organize both lunar and Martian exploration in the coming decades.
International Lunar Way Station

• The first step towards Planetary Outposts is an International Lunar Way Station
• Robotic leading to human
• Test bed for planetary outposts
• Can also center outreach: a place we all become familiar with
• International coordination is needed such as that happening here, or ILD
The Planetary Society and Lunar Mission Outreach
Planetary Society Coverage of All Missions

- Planetary Report Magazine (authors usually the doers).
  - Special all lunar issue Jan/Feb 2007
- web site (planetary.org)
- Seeking guest, author, and story ideas
- Monday will debut an International Lunar Decade/Missions “gateway” web site, will continue to update/expand (invite mission info)
SELENE Wish Upon the Moon

• In collaboration with JAXA and The Planetary Society Japan:
• The Planetary Society will announce within a week that we will be collecting names and wishes to send to the Moon on board SELENE (etched in foil)
• Web site will be:  http://planetary.org/selene
• We welcome help promoting
• Deadline Feb. 1, 2007
• (TPS also flying DVD on Phoenix, and collecting names now)
TPS Mission collaborations

- SMART-1: organized events including live press events for insertion/impact
- Chang’E: Planetary Society is formal partner on outreach, details TBD, possible live coverage of major events
- LRO: pursuing collaboration, e.g., another DVD/names/wishes type activity with some aspect of mission, as well as coverage
  - Current radio trivia contest: create a sentence using four acronyms from LRO instruments
- Chandrayaan: meeting in December
TPS “assets”

- Large, interested, public membership
- International
- Independent
- No government funding
- Experience
Possible collaborations

- Small or large
- Providing of spacecraft hardware (e.g., MER DVD’s, Mars Microphone, Phoenix DVD)
- Contests (e.g., Venus Express Art Contest, New Horizons Time Capsule, Naming contests (Magellan, Sojourner, MER rovers))
- Continued coverage of planetary activities via print, web, and radio
- Any other interesting ideas
http://planetary.org

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White papers available on:
International Lunar Decade
International Lunar Way Station
International Lunar Way Station: First Steps