Exploration Enables Science

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• One fourth of the Apollo funding was devoted to the last six scientific exploration missions to the Moon
  - Missions resulted in a profound increase in our understanding of the history of the terrestrial planets
  - Particularly the Earth, and of the environment in which it and life evolved.
• Made over 100 recommendations regarding areas of lunar science that would be valuable to pursue

• Many of these recommendations could not be pursued during the limited 6 human landing missions of Apollo
  – Those that were accomplished uncovered many new questions
Moving Forward

• Our concept of exploration is that it includes and enables science

• Must rethink planned programs of scientific activity in light of the opportunities to be made available through a newly vigorous program of human exploration

• That is exactly what our NASA Advisory Council is asking the community to do through this Lunar Science Workshop.
International Focus on Exploration

We are focused on pursuing an International engagement Strategy that retains U.S. Leadership in exploration

Shenzhou-VI spacecraft (China)

Lunar Globe (Russia)

Chandrayaan-1 (India)

Small Mission for Advanced Research & Technology 1 (Europe)

SELENE (Japan)
NOT Science vs. Exploration... We Do BOTH