

# Lunar Greenhouse Prototype for Bioregenerative Life Support Systems

{ Arizona/NASA Space Grant Ralph C. Steckler Grant  
{ Phase II Program Review, July 20, 2012

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# The University of Arizona

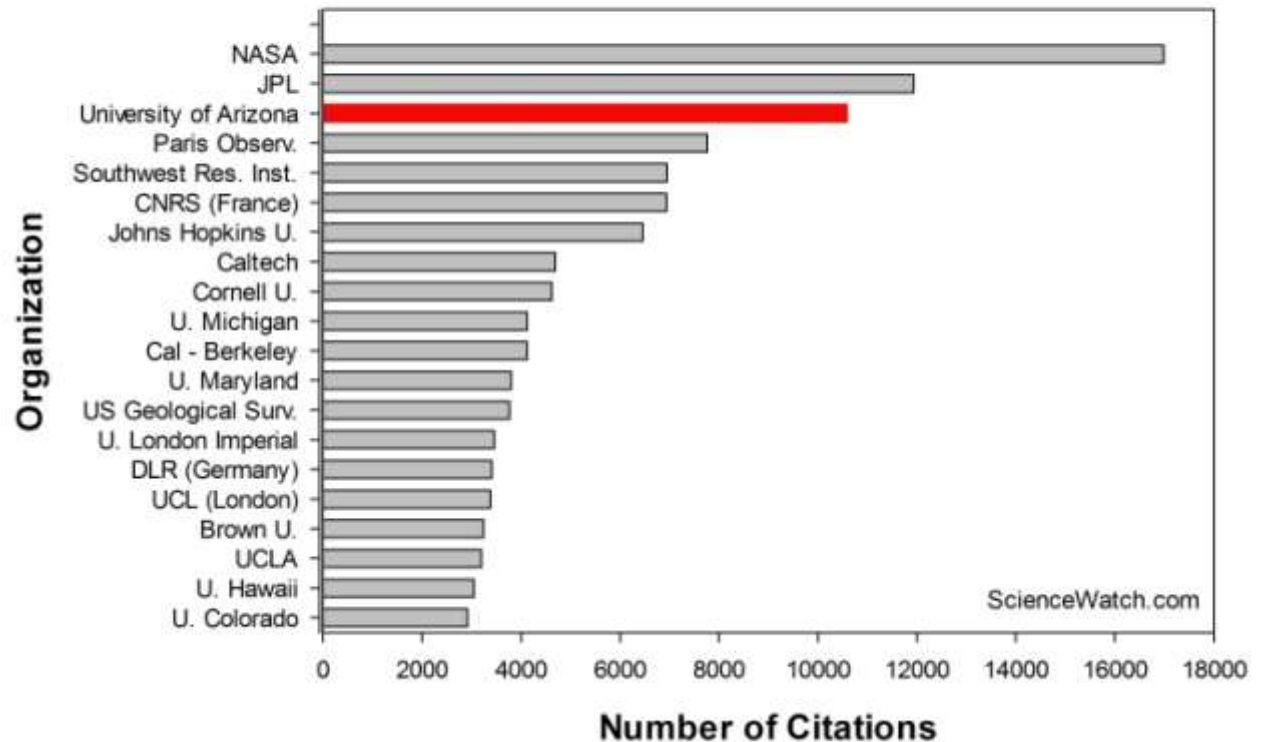
- ⌘ Land Grant Institution
- ⌘ Home institution of one of the original Space Grant consortia
- ⌘ Typically 1<sup>st</sup> or 2<sup>nd</sup> in nation in expenditure on physical sciences



# History of collaboration

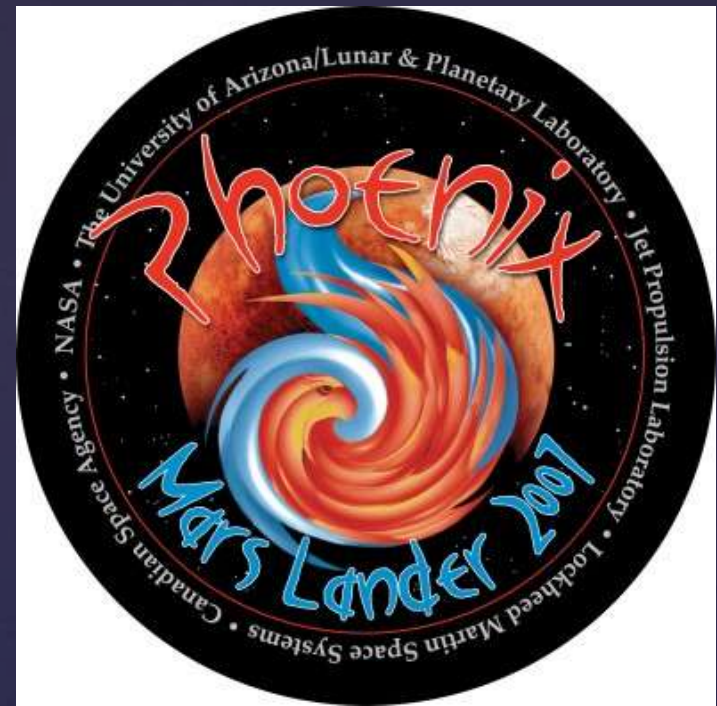
- ⌘ UA has tradition of working across disciplinary boundaries
- ⌘ Steckler project involves faculty from three different colleges at the university

## Citations in Planetary Exploration, 2001-2011



# Leading university in planetary exploration

⌘ Roughly 25% of American university expenditures on astronomy, planetary science, and space science are at UA



# Lunar and Planetary Laboratory

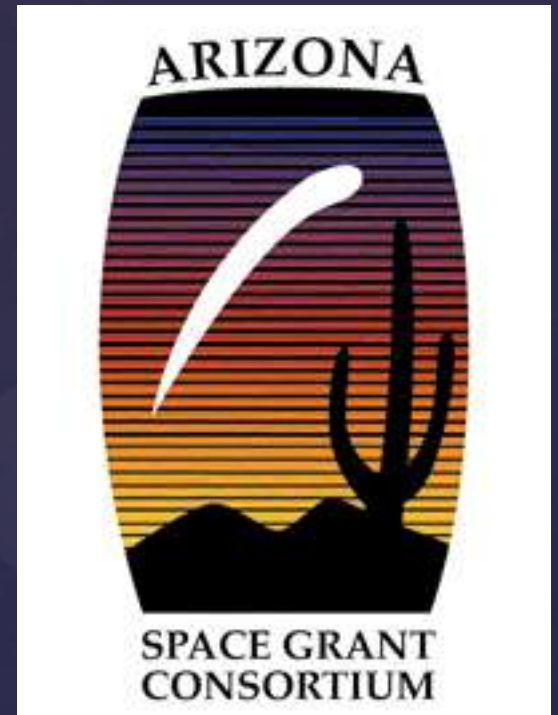
- ⌘ Home to Phoenix Mars Lander, OSIRIS-REx asteroid sample return
- ⌘ Participants in virtually every NASA interplanetary mission
  - ⌘ Head of imaging for first lunar mission, Ranger, was founder of LPL



Former Space Grant intern Dante Lauretta, Principal Investigator for OSIRIS-REx



Former Space Grant intern Chris Lewicki, President and Chief Engineer of Planetary Resources, Inc.



# Arizona Space Grant Consortium

- ⌘ Hosted by UA Lunar and Planetary Laboratory
- ⌘ Focus on internship program
- ⌘ Connections made with mentors made Steckler proposal possible