# LSIC ISRU March 24 1-page summary

- "Who's Who in ISRU" – diverse contributions for connecting the unexpected as well as expected.

- Upcoming ISRU relevant meetings external to LSIC:
  - Abstracts for the 11th joint meeting of the Planetary & Terrestrial Mining Sciences Symposium (PTMSS) & the Space Resources Roundtable (SRR) are **due on April 12th.** https://www.ptmss.ca
  - The AIAA ASCEND 2021 conference will take place Nov 15-17, 2021 in Las Vegas, NV (USA) in a hybrid format (in-person and online). The call for content is open and Space Resources is one of the central themes of the forum in high level strategic discussions and technical paper presentations. This year, the call for papers (to submit technical papers and presentations) and the call for sessions (to propose the creation of special sessions) are separate under the link above. The call is open until March 30, 2021.

- Technology Showcase Presentation – recording will be available on Confluence.

  - Blue Origin. Dr. Erika Wagner. Payload Sales Director. Operations.
    Lunar –G: Partial Gravity Capability in the New Shepard Suborbital Vehicle

# Technology Showcase
# **Blue Origin**. Dr. Erika Wagner. Payload Sales Director. Operations.
# Lunar –G: Partial Gravity Capability in the New Shepard Suborbital Vehicle

A presentation followed by discussion

# First Annual Goal for the ISRU Focus Group

https://lsic-wiki.jhuapl.edu/display/ISRU/ISRU+YEAR+1+Goals
Go to the ISRU homepage, under ISRU Conversations

| Vision Statement | Goal | Objective | Implementation |
|---|---|---|---|
| Enable the identification and maturation of technology needs for ISRU systems that can produce up to 10s to 100s MT/yr of O2 | Connect FG technology ideas with NASA | The FG provides recommendations and rationales to NASA on which technologies that members would like to see NASA fly as risk mitigation. | Increasing the number of ISRU components selected to be flown on future CLPS missions. |
| | | The FG makes recommendations to NASA on which ISRU technologies and interfaces need maturing. | Future NASA AO's and selections reflect recommendations for ISRU technology development. |
| | Provide NASA an assessment of the effectiveness of current funding approach to ISRU technology | The FG will assess the strengths and weaknesses of the current funding approach by NASA and make recommendations on how to improve. | Better alignment of NASA funding opportunities, and possibly new funding options, with ISRU technology NASA and the community believes needs maturing. |
| | Affect a positive impact on community collaborations | The FG will develop and demonstrate effective metrics for determining how well it is meeting the needs of the community: industry, NASA, academia, non-profits. | New line of funding or new business opportunity obtained by FG members attributable to participation in the LSIC ISRU FG. |
| | | | A report based upon input by the ISRU FG members on how well the ISRU FG is meeting their needs. |
| | | | Continual population of the Who's Who database for improved networking by the ISRU community. |

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