

International Cooperation for Space Exploration (1)
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MOON CONSORTIUM FOR CLIMATE CHANGE MITIGATION

Abstract

The moon is an opportunity for a better earth. Climate change is the grandest challenge and requires a radical move for a sustainable solution and providing a solution for our grandest challenge means a better world. This research project tries to draw a path to utilize technological innovations in the moon to solve earth's grandest challenge. This path will enable many commercial and scientific opportunities not related to climate change. Solar Power Satellites (SPSs) are promising innovation to provide a sustainable solution for the climate change problem. The major enabler for SPSs is low launching cost. Launching cost from the moon to Geostationary orbit (where SPSs are located) is cheaper when compared to launching cost from earth. The research project assumes that returning humanities back to the moon will be motivated by establishing activities to solve climate change problem. These activities will open the door for additional commercial opportunities. Therefore, the research project proposes a business consortium that will potentially attract non-space investors. The investment will target building infrastructure in the moon to manufacture parts for SPSs and utilize additional associated commercial opportunities.