

# The Imperative to Protect Cultural Heritage in Outer Space:

*Protect Today or Gone Forever*

65th Session of the Committee on the  
Peaceful Uses of Outer Space

June 6, 2022

FOR ALL  
MOONKIND™



That's one small step for man.  
And one giant mistake if we don't protect it.





[www.forallmoonkind.org](http://www.forallmoonkind.org)

**For All Moonkind** is a non-profit organization that seeks to **protect and preserve human history and heritage** in outer space.

Our **entirely volunteer team** of space lawyers and policymakers are working to develop reasonable and practical protocols that will balance development and preservation and include systems to select, manage and study relevant sites.

In so doing, we seek to **promote the exploration, development and utilization of space and its resources** in a **sustainable** and successful manner.

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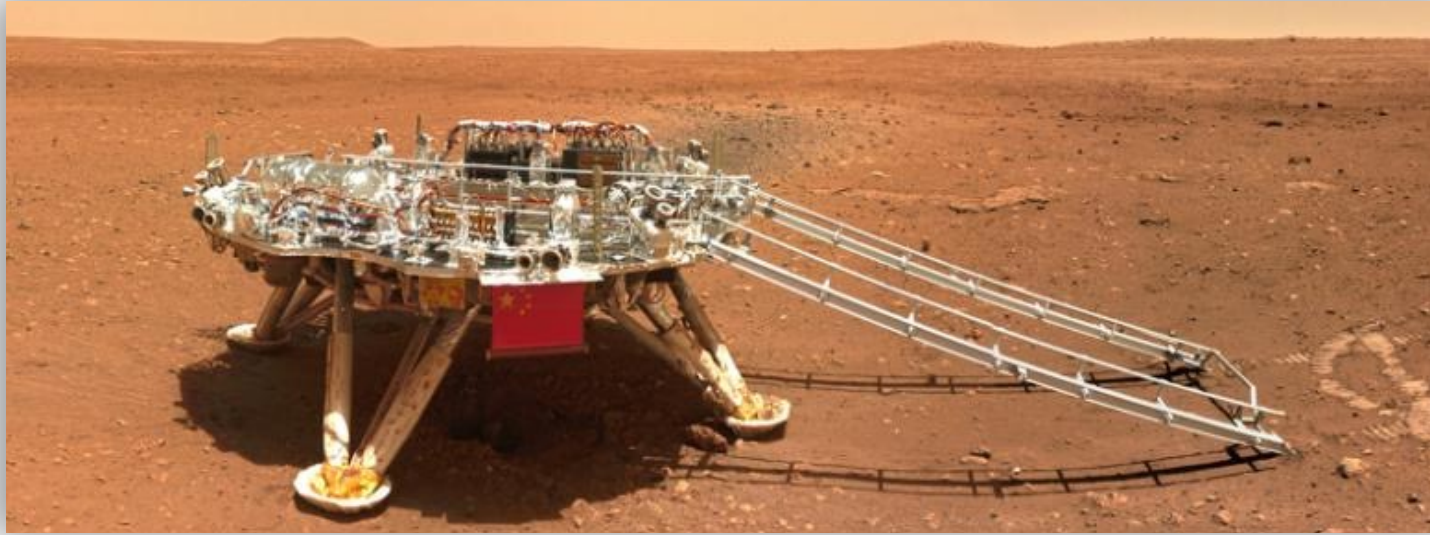
# What is Cultural Heritage?

Culture is **who we are, where we have been, and where we are going.** It is what shapes our identity as humans.

The protection and preservation of human heritage **recognizes those who came before us**, protects the gains of our civilization and allows future generations to learn from both their results and their processes.







Our journeys to the Moon and other celestial bodies **represent the work** and innovation from **countless individuals and cultures** over millennia of human evolution.

The signs of human life that now lie on the lunar and Martian surface are evidence of a technologically advanced, intelligent civilization. They tell a story of science, technology and culture and serve to capture the imagination.

And they **memorialize** the work of the **hundreds of thousands** of astronomers, scientists, engineers and dreamers **throughout human history** who have studied or endeavored to reach the stars.





The Lion-Man of Hohlenstein-Stadel Cave, believed to symbolize the star constellation, dates back to 38,000 BCE.



Türkiye's Gobekli Tepe represents a catastrophic comet strike from 11,000 BCE.

# Centuries of Science

- Eratosthenes (Greece) used the sun to measure the (round) Earth.
- Abd al-Rahman al-Sufi (Persia) made the first known observation of the Andromeda galaxy.
- Copernicus (Poland) proposed that the Earth revolved around the Sun. A theory supported by Galileo (Italy).
- Zu Chongzhi (China) accurately measured an Earth year and successfully predicted the number of times the Sun and the Moon overlap.



# Human Milestones



# One Giant Leap for (Hu)mankind

On July 20, 1969, humanity took its first steps off our planet.

This event captured the world's attention – more than 600 million people watched the first human take a first small step on another celestial body. Few events in our history have had this immediate, powerful, and sustaining impact.

The bootprints mark an achievement unparalleled in history, and one that is common to all humankind.

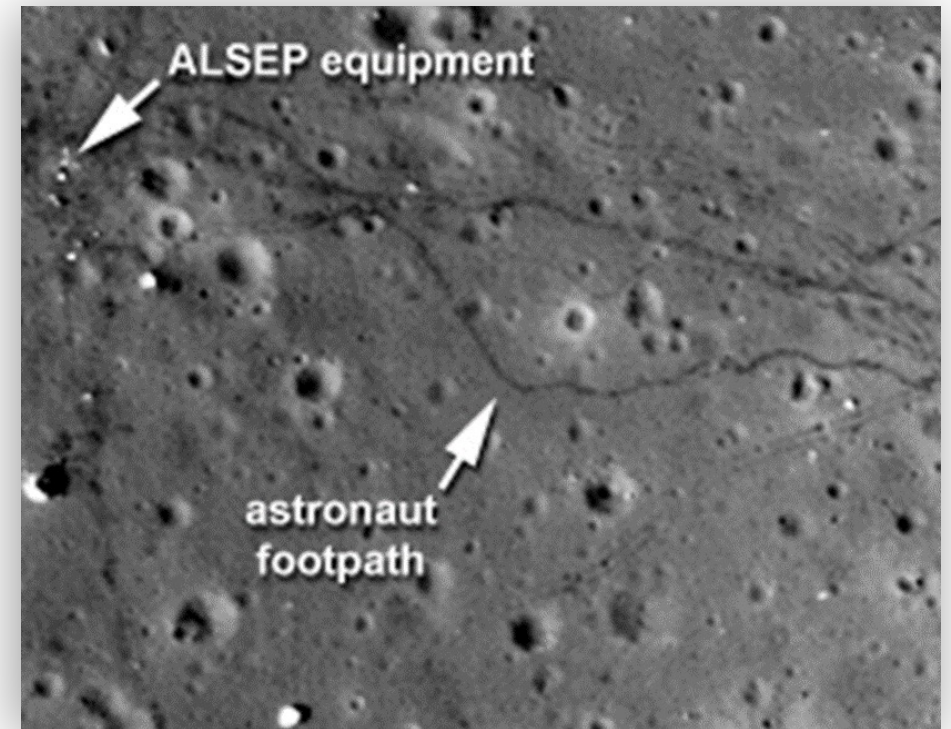




The lunar landing sites are frozen in time, **undisturbed by wind or rain and untouched by any other human** – or any living organism.

These sites are the **ultimate heritage site**, both in terms of significance to humanity as a whole and in terms of preservation.

The absence of a lunar atmosphere of any note means that all foot-and-track prints of the astronauts and rovers are preserved, **providing a total record** of the pioneering phases of human exploration of outer space.



“The arts and sciences are admitted amongst all civilized nations . . . As entitled to favour and protection. They are considered not as the peculium of this or that nation, but as the property of [hu]mankind at large and as belonging to the common interests of the whole species.”

~Justice Croke, Canada (1813)





United Nations  
Educational, Scientific and  
Cultural Organization



World Heritage  
Convention

Unfortunately, the World Heritage Convention cannot be applied to outer space. The Convention relies upon States to nominate heritage sites within their territories. And of course, it is one of the precepts of international space law that States may not claim territory in outer space by sovereignty or any other means. Thus, we can borrow from the World Heritage Convention, but cannot follow its nominating scheme.

Space sustainability is defined as “ensuring that all humanity can continue to use outer space for peaceful purposes and socioeconomic benefit now and in the long term.”

It is about creating a community that works, where people live in worthwhile places, in communities that they can connect with.

It also requires the preservation of our community. Of our common heritage and history. We must preserve a sense of our history and our humanity so that we can learn from past mistakes and build upon past successes.







Few would argue that the site where humans first set foot on another celestial body should be recognized and protected less than any site on Earth.

# Dome or Hangar (Xi'an)





# Preserve and Learn (Vasa)



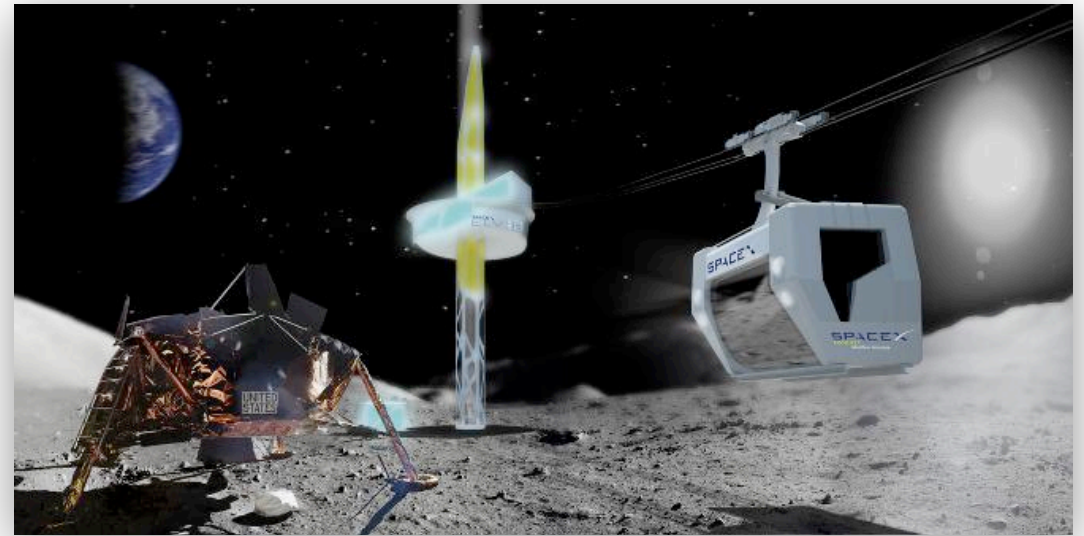
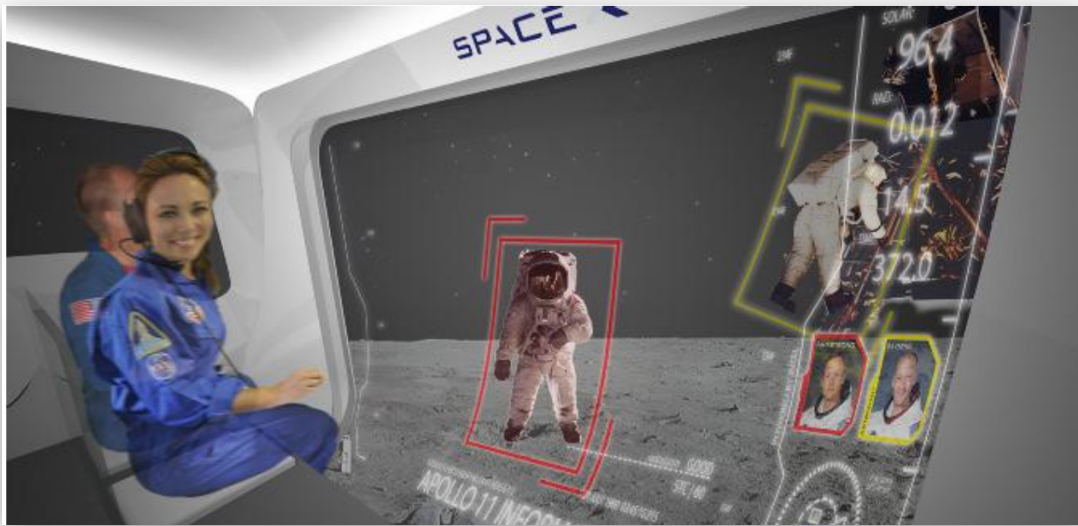


# Rope it Off (Dinosaur Ridge)





# Elevated Lunar Viewing



"Architectural Concepts Employing Co-Robot Strategy and Contour Crafting Technologies for Lunar Settlement Infrastructure Development," USC School of Architecture and USC Viterbi School of Engineering, AIAA Space 2012 Conference, COL-1-AIAA-1351369.

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Hague Space Resources Governance

Working Group Building Blocks ✓

One Small Step Act ✓

Artemis Accords ✓

Next step: Recognition by the United Nations

**No cost.  
Immeasurable benefit.**

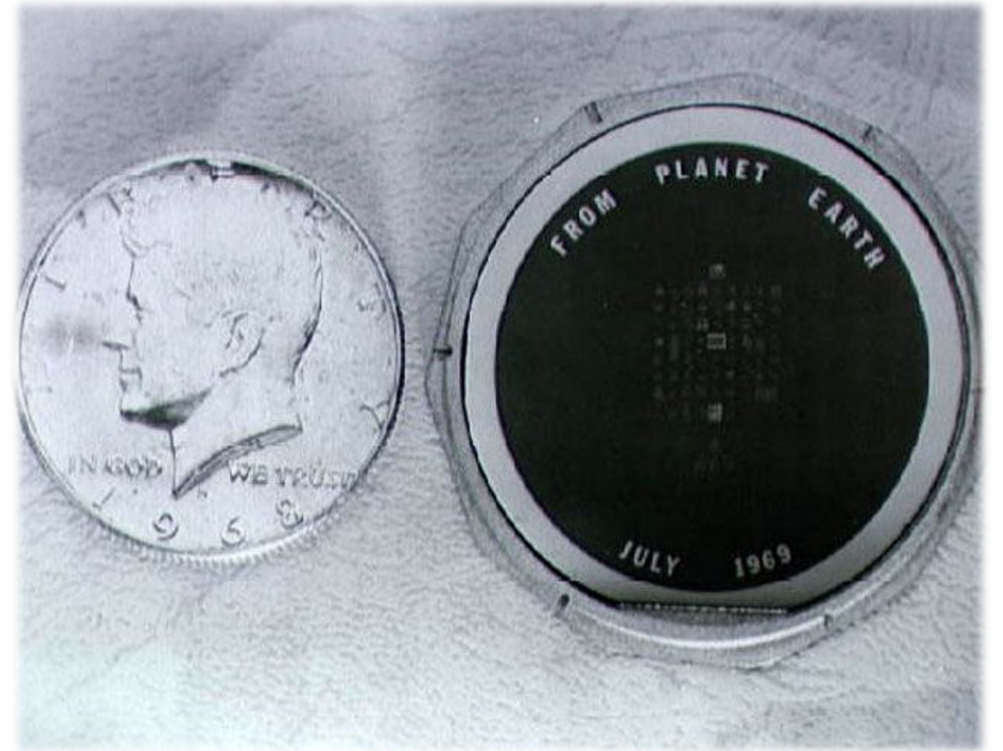


It has been said that **“what we do in space and how we do it reflects our values and not just our technologies.”**

When Apollo 11 made its historic landing on the Moon, it left behind a disc containing messages of peace from the leaders of 74 nations.

Every single one of those messages held out the hope that this great achievement – reaching the Moon – would signal “hope for better days for all [hu]mankind” (Costa Rica) and become “a glorious milestone along the road of all [hu]mankind towards the achievement of peace, freedom and justice” (Italy).

We urge delegations to work together to protect human heritage of “outstanding universal value” in space so that we can preserve our shared history for future generations.



Messages of Peace

# Protect Today or Gone Forever.

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