

IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)  
Governmental Human Spaceflight Programmes (Overview) (1)

Author: Mrs. Catherine Koerner  
NASA, United States

Mr. Daniel Baird  
NASA, United States

Mr. Patrick Morris  
National Aeronautics and Space Administration (NASA), United States

Mr. Charles Esty  
National Aeronautics and Space Administration (NASA), United States

A UNIFIED VISION FOR DEEP SPACE HUMAN EXPLORATION

**Abstract**

Artemis will be the first collaborative campaign of crewed deep space exploration. This paradigm shift reflects a unified vision for human planetary exploration that embraces the African proverb, “If you want to go fast, go alone; If you want to go far, go together.” This paper elaborates on the ways NASA endeavors to make its Moon to Mars effort a unifying force for deep space human exploration for NASA and the international space community.

The agency is making great strides in unifying its workforce, mission directorates, technical authorities, and centers behind shared goals and processes. Enhanced communication and a reinvigoration of systems engineering ideals have been a hallmark of that effort, guided by the Moon to Mars Architecture, which defines what NASA aims to accomplish and how it will execute those goals.

International partnerships for the Artemis campaign include partners from the International Space Station program, but also emerging space agencies and countries new to NASA collaboration. Over 35 nations have signed the Artemis Accords, which establish a common set of principles for peaceful cooperation in civil space exploration. Many of these countries are already participating in Artemis.

The agency’s Moon to Mars Architecture unifies the NASA workforce with common goals and shared systems engineering processes. The architecture offers pathways for broader participation from industry, academia, and international partners. The agency solidifies its commitment to this collaborative approach through its annual architecture review cycle, seeking input from the NASA workforce, industry, academia, and international partners to refine its roadmap for exploration.

Exploring as one, NASA and its partners will set humanity on a path for a long-term presence at the Moon and the journey to Mars.