

JOINT STATEMENT OF INTENT
BETWEEN THE CANADIAN SPACE AGENCY,
THE GERMAN AEROSPACE CENTER, AND
THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
OF THE UNITED STATES OF AMERICA
ON GROUND-BASED DEMONSTRATOR PREPARATORY ACTIVITIES
FOR A LUNAR AGRICULTURAL MODULE

The Canadian Space Agency (CSA), the German Aerospace Center (DLR), and the National Aeronautics and Space Administration (NASA) of the United States of America (hereafter referred to as "the signing Agencies") intend to undertake in a coordinated manner preparatory activities for a ground-based demonstrator of a future lunar agricultural module. This capability will be essential to support future long-duration, deep-space exploration missions with essential consumables and life support functions (i.e., fresh food, O₂ provision & CO₂ fixation, water recycling capability, and psychological well-being).

As part of these preparatory activities, the signing Agencies plan to focus on the following areas:

- CSA: critical subsystems
- DLR: system engineering and integration
- NASA: crop selection, science, operations planning, and related technologies

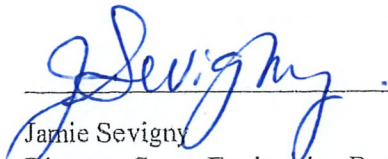
During the proposed preparatory activities, the signing Agencies may, on a voluntary basis, exchange technical and scientific information as needed to support discussions. The signing Agencies acknowledge that any potential sensitive data to be released and/or shared will be identified by the originating Agency. Any such exchange is subject to mutual understanding regarding appropriate use and disclosure, in accordance with applicable national laws and regulations.

This letter is not a legally binding commitment. Furthermore, this letter does not constitute a funding or financial commitment from the signing Agencies and is not to be considered as a commitment to issue a solicitation or award a contract. Any discussions during preparatory work including possible hardware or software contributions to the possible future ground-based demonstrator are not considered legally binding.

Following the completion of these preparatory activities, and consistent with international planning for deep-space missions, the signing Agencies plan to assess the decision to pursue construction of a ground-based demonstrator with the notional goal of an operational Earth-based facility no later than 2030. At that time, the signing Agencies plan to assess entering into legally binding arrangements, as appropriate.

With the collaboration coming out of this joint statement of intent, the signing Agencies aim to demonstrate, through the use of the ground-based demonstrator, the technological developments that will aid in the success of future bioregenerative life support systems (BLSS) for deep-space class missions in line with international roadmaps.

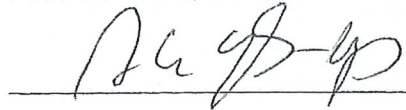
FOR THE CANADIAN SPACE AGENCY:



Jamie Sevigny
Director, Space Exploration Development

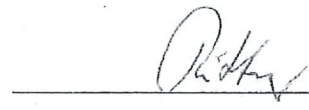
Date: 21-07-2026

FOR THE GERMAN AEROSPACE CENTER:



Anke Pagels-Kerp
Divisional Board Member for Space

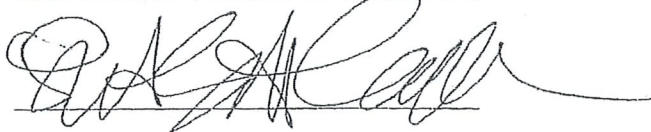
Date: 09-07-26



Andreas Rittweger
Director, Institute of Space Systems

Date: 9 July 2026

FOR THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION OF
THE UNITED STATES OF AMERICA:



Lisa Carnell
Director, Biological and Physical Sciences Division

Date: 7/8/26