

Dear Colleagues,

NASA is increasing its adoption and use of cloud computing. As part of this effort, NASA is moving the orbital debris and meteoroid environment modelling and analysis tools to the cloud. NASA will initially make NASA's Orbital Debris Engineering Model (**ORDEM**) and the Meteoroid Engineering Model (**MEM**) available on the cloud, with the goal of eventually providing the Debris Assessment Software (**DAS**) on the cloud.

We are conducting a brief 12 question survey to better understand the impacts to the users and to inform the rollout of these cloud computing services. You have been identified as a user of ORDEM, MEM, or DAS. We kindly ask that you complete this survey. The survey should take less than 10 minutes to complete. The last day to complete the survey is weekday, June DD, 2021.

Thank you for your participation.

Alfredo Colón  
NASA Micrometeoroid and Orbital Debris Program Executive

Dr. Jer-Chyi Liou  
NASA Chief Scientist for Orbital Debris

Mr. William Cooke  
Meteoroid Environment Program Manager

*Paperwork Reduction Act Statement:*

*This information collection meets the requirements of 44 U.S.C 3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget control number. The OMB control number for this information collection is 2700-153 and it expires on 09/30/2021. We estimate that it will take about 10 minutes to read the instructions, gather the facts, and answer the questions. You may send comments on our time estimate above to [alfredo.colon@nasa.gov](mailto:alfredo.colon@nasa.gov). Send only comments relating to our time estimate to this address.*

**Successful submission statement:**

Thank you for your feedback to inform NASA's transition of ORDEM, MEM, and DAS to cloud computing services. We will provide additional information on any key developments. In the meantime, if you have questions or additional suggestions regarding this matter, please contact Mr. Alfredo Colón ([Alfredo.Colon@NASA.gov](mailto:Alfredo.Colon@NASA.gov)).

**Survey:**

1. Do you work for a U.S. organization?
  - o Yes,

- No.
2. What type of organization are you with?
    - NASA, National Aeronautics and Space Administration,
    - Other national government agency,
    - Commercial organization,
    - Academic institution.
  3. Does your organization have policies in place regarding the use of the cloud?
    - Yes,
    - No,
    - Don't know
  4. Do your organization's policies allow the use of the cloud?
    - Yes,
    - No,
    - Don't know
  5. Are you or your organization currently using the cloud for modelling and analysis?
    - Yes,
    - No,
    - Don't know
  6. How would you prefer to use the Orbital Debris Engineering Model (ORDEM)?
    - As a cloud-based application,
    - As a desktop application,
    - As both a desktop and cloud-based application,
    - No preference,
    - I do not use or plan to use this model.
  7. How would you prefer to use the Meteoroid Engineering Model (MEM)?
    - As a cloud-based application,
    - As a desktop application,
    - As both a desktop and cloud-based application,
    - No preference,
    - I do not use or plan to use this model.
  8. How would you prefer to use the Debris Assessment Software (DAS)?
    - As a cloud-based application,
    - As a desktop application,
    - As both a desktop and cloud-based application,
    - No preference,
    - I do not use or plan to use this model.
  9. What specific capabilities and features would you like from cloud-based versions of ORDEM, MEM, or DAS?
  10. In a few words, what are the primary benefits you foresee from using these tools on the cloud?
  11. In a few words, what are the greatest barriers for your organizations adoption of and use of these tools on the cloud?
  12. Is there anything else you would like to tell us about the transition to and use of these tools on the cloud?