

Operational Challenges for the Next 20 Years

Anthony C. Janetos

Joint Global Change Research Institute/Pacific Northwest National Laboratory/University of Maryland

As the NASA space program looks out over the next two decades, it can celebrate its accomplishments in moving Earth Science observations and data from research to operational domains. But the next two decades present new substantial challenges to which the Earth Science community must now respond. Carbon management, the maintenance of ecosystem services, and the demands of a planet with many more people than today will present new scientific challenges and new challenges for the relationship between scientific discovery and operations.