



Local Insight. Global Perspective.

Earthrise Alliance is a philanthropic organization that converts Earth systems data into relevant and actionable knowledge to combat climate change.

Making space-based information accessible to everyone Earth observation to support journalists



REUTERS IN

Tracking China's Muslim Gulag

Environmental event: Glacial melt

Humanitarian event: Ethnic detention

Enabling student-led investigations



Environmental event: Illegal deforestation



THE POWER OF Peer validation



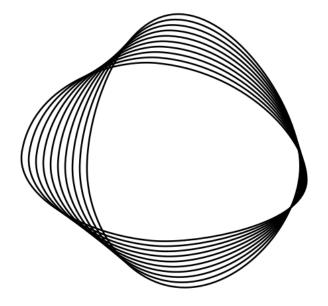
"PULITZER OF INFOGRAPHICS."



AWARD FOR INNOVATION IN DATA JOURNALISM THE WEBBY AWARDS

> BEST INDIVIDUAL EDITORIAL FEATURE

Infrastructure and policy for emissions measurement, from space



Policies that land, internationally

Earth is a modern moonshoot

ASA was not created to do Asa was not created to do something again. It was creat-ed to push timits of human understanding - to help the nation solve big, impossible problems that requires in science and technolosy. Fifty wars on the impos taking require advances in science and technology. Fifty years ago, the impos-sible problem was putting a human on the moon to win the space race, and all of humanity has benefited from the accomplicity man. accomplishment. The impossible problem today is not

the impossible problem today is not the moon. And it's not Mars. It's our home planet, and NASA can once again The moon. And it's not Max anone again be of service for the betamement of all Let's remembers of the form of the service of t

there was so much at stake. After accomplishing this amazing feat, the acrospace community has again and again sought presidential proclamations to go further. President Trump is the fifth president to pro-claim we will send humans to the moon and/or Mars within a specific sors and satellites while extending existing missions would increase the cadence of new, more precise measure-ments and contribute to critical, higher-fidelity climate models. NASA could also move beyond measurement and into action - focusing ciaim we will send numans to the moon and/or Mars within a specific time frame, a decree without a value proposition that has never inspired on solutions for communities at the front lines of drought, flooding and heat extremes. It could develop and broad public support nor come close to disseminate standardized applications that provide actionable information to populations that are the most vulner-

NASA remains one the most revered and valuable brands in the world, and Corps - modeled after the Peace Corps purpose. But the public doesn't under-- in which scientists and engineers stand the purpose of spending massive spend two years in local communities amounts of the moon or Mars. Are and a few they face, training local populations administrator from 2009 to 2013.

we in another race, and if so, is this the most valuable display of our scientific and technological leadership? If sciand science needed to support smart, local decision-making. The fragmented system of roles and and technolo-acquired of our scientific-ence is the minimale, we can send robots for penniem de dollar. In a July Pew Research de dollar. In a July Pew Research de la dollar. In a toring key parts of Zash's climate system should be the highly climate the system should be the highly climate the system should be the highly climate the system should be the system of the system should be shown that future generations have on Sacht will suffer from should be shown that future generations have on Sacht will suffer from should be shown that

The fragmented system of roles and responsibilities related to handing the massive amounts of definition data is severely hangering those efforts required to make signification in agress. The U.S. government role in agress-tod the schalenge is foundering with-out this challenge is foundering with-out of the schalenge is storage. lection and coordinating its storage, analysis and distribution require ex-perience working acrosslences and universities a sevel as the private sector and *L* international community. Only NASA has done this ort of thing before; only NASA has the credibility and expertise NASA has the credibility and expertise to do it again.

to do it again. Assigning NASA this task would require an Apollo-scale change - but could be accompilshed within its exist-ing mandate and by shifting funding priorities. The National Aeronautics and Space Act of 1988 supports expan-tion of human knowledge of the Earth and phrenes in the atmosphere and directs the agency to develop and earry out some the so and directs the agency to develop and carry out a comprehensive program of research, technology and monitoring to understand and maintain the integto understand and maintain the integ-rity of the Earth's atmosphere. The act requires NASA to work with other federal agencies, academia and the private sector to make the necessary observations, disseminate their results and enlist the support and cooperation of appropriate scientists and engineers of other countries and international

Apollo's legacy should not be more meaningless new goals and arbitrary deadlines. Let's not repeat the past. Let's try to save our future. Besides, humanity's intrinsic need to explore is driven by our need to survive.

The writer is chief executive at Earthrise



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