



# Gold Standard Science Executive Order Implementation

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# Gold Standard Science Tenets (9)

1. Reproducible
2. Transparent
3. Communicative of Error and Uncertainty
4. Collaborative and Interdisciplinary
5. Skeptical of its Findings and Assumptions
6. Structured for Falsifiability of Hypotheses
7. Subject to Unbiased Peer Review
8. Accepting of Negative Results as Positive Outcomes
9. Without Conflicts of Interest



# OSTP Gold Standard Science Guidance

“...Federal agencies shall implement Gold Standard Science tenets in all agency-managed scientific activities, **including both intramural and extramural research**, from the selection phase throughout closeout.

Agencies are encouraged to **adapt implementation to their unique missions while upholding scientific merit and excellence**.

As agencies implement this Guidance, they must **adopt streamlined approaches that achieve the goals of Gold Standard Science while minimizing administrative burdens**, avoiding excessive bureaucratic requirements that can divert resources and impede scientific progress.

To enhance efficiency, **agencies should explore the use of artificial intelligence and other advanced technologies** for implementing Gold Standard Science.”

*\* Implementation Plans Due to OSTP / NSF Website on August 22.*



