



# From Compliance to Confidence

## EO 14303 Readiness Guide

How federal agencies can meet new research integrity standards — on time and with confidence

---

Federal research agencies are under new scrutiny. Executive Order 14303 sets government-wide standards for reproducibility, transparency and conflict-of-interest (COI) management, with compliance reports due by August 22, 2025.

**The stakes? Funding, credibility and the ability to fulfill your mission.**

This readiness guide explains what EO 14303 requires, outlines the key challenges federal research programs face and shows how Digital Science solutions can help your agency prepare confidently.

## What does EO 14303 require?

**Issued in May 2024, EO 14303 sets federal-wide standards requiring agencies to:**

- Ensure research reproducibility across funded programs
- Communicate uncertainty and negative or null results transparently
- Identify and manage financial and non-financial COIs
- Provide public and auditable evidence of compliance by August 22, 2025

Agencies must report on their readiness and ongoing efforts—meaning reproducibility and integrity are now essential to maintaining funding and public trust.

---

## Why EO 14303 compliance is challenging

**Meeting these requirements demands:**

- Connecting disconnected internal and external data sources (e.g., grants, publications, clinical trials)
- Standardizing researcher identifiers, such as identities, affiliations and funding relationships, to detect hidden COIs
- Capturing and sharing how inconclusive and negative findings are communicated
- Producing audit-ready reports, often from fragmented systems and outdated workflows to generate timely, defensible compliance reports across programs

Manual, disconnected processes simply won't meet the timeline — or withstand scrutiny.

---

## What happens if you don't comply?

**Failure to meet EO 14303 expectations could result in:**

- ✘ Loss of funding eligibility or future appropriations
- ✘ Damaged agency reputation and stakeholder confidence
- ✘ Exposure to legal or political from missed COIs
- ✘ Failure to meet transparency and reproducibility standards expected of federally funded research

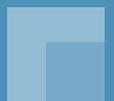




EO 14303 Requirement	How Dimensions Helps
Ensure reproducibility	Dimensions connects research outputs to the original grants that funded them and supports the analysis of datasets and related outputs, enabling agencies to demonstrate the reproducibility of funded research.
Communicate uncertainty or null results	By integrating with Altmetric, Dimensions helps trace the dissemination of negative or null research findings. Looking ahead, it can potentially support keyword-based flagging of null-result publications for enhanced transparency.
Detect/manage conflicts of interest (COIs)	Dimensions uses advanced author disambiguation and mappings between grants and publications to reveal hidden relationships and undisclosed funding, helping agencies detect and manage both financial and non-financial COIs.
Provide auditable proof	Through configurable dashboards and exportable reports, Dimensions enables agencies to deliver real-time, transparent compliance reporting that is ready for audit and public review.

## What you gain with Digital Science

- Immediate access to 159M+ publications, 25M+ researcher profiles, 170M+ patents, 7.9M+ grants and 2.7T in global funding insights — all integrated and enriched for compliance
- Streamlined documentation of reproducibility protocols and communication of uncertainty
- Faster COI assessments across federated datasets
- Configurable, agency-specific dashboards and reports for audit readiness
- Flexible integration with your proprietary systems.



Next steps: Preparing your agency

- **Conduct a readiness assessment** to benchmark your current processes against EO 14303 requirements
- **Integrate and align your data** with Dimensions, Figshare and Altmetric
- **Automate key tasks** like reproducibility documentation, COI detection and uncertainty communication
- **Engage Digital Science experts** to tailor your agency's EO 14303 compliance strategy



## Client success story

"Dimensions provides a robust database of awarded grants to quickly and effectively view the potential return on investment and full impact achieved by national funding programs."

— **Tristan MacLean, Evidence for Democracy**

Ready to comply—and lead?

**Your mission demands clarity. EO 14303 requires it.**

With Digital Science, your agency can lead with integrity, ensure reproducibility and meet transparency standards — on time and with confidence.

Schedule your EO 14303 compliance consultation

<https://www.digital-science.com/sector/government/>

