

OISE Funding

(Dollars in Millions)

FY 2022 Actual ¹	Disaster Relief			FY 2023 Estimate Total	Change over		
	FY 2023 Estimate Base	Supplemental Base	FY 2023 Estimate Total		FY 2024 Request	FY 2023 Base Amount	Total ² Percent
\$54.23	\$61.32	\$8.00	\$69.32	\$71.21	\$1.89	2.7%	

¹ Excludes funding provided by the American Rescue Plan supplemental appropriation.

² Captures both the FY 2023 Omnibus appropriation and the Disaster Relief Supplemental base.

About OISE

OISE is the focal point for NSF’s international science and engineering activities and promotes an integrated Foundation-wide international engagement strategy. The Office manages and coordinates catalytic internationally-focused programs, and advances international activities that offer opportunities for U.S. researchers through active engagement and outreach with international counterparts. This FY 2024 budget submission continues focus on three activities: (1) facilitating and supporting international teams and partnerships, (2) providing opportunities for the U.S. to shape the global science and engineering agenda, and (3) promoting the development of a globally engaged U.S. workforce.

In FY 2024, OISE will continue its investments in key priority areas like, building a resilient planet that includes climate science and clean energy technology research, and innovations in critical and emerging technologies for national and economic security through investments in cross-directorate collaborative efforts. Moreover, OISE’s proposed FY 2024 investments will continue to promote the advancement of the research enterprise, ensuring accessibility and inclusivity, and securing global leadership. Within the framework of OISE’s FY 2024 Request, the Office endeavors to preserve investments in its unique programs while maintaining cooperative investments through cross-directorate activities in Administration and agency priority areas to enable innovative international connections not otherwise possible for U.S. researchers and students.

OISE FY 2024 Activities

In FY 2024, OISE will continue its investment in the Global Centers (GC) activity to support larger-scale collaborative research on use-inspired themes related to grand societal challenges. In FY 2023, OISE launched the GC activity and released its inaugural solicitation to enable interdisciplinary and international teams to address grand societal challenges through use-inspired research. The FY 2023 competition focuses on topics related to climate research and clean energy research through GC-related partnerships with like-minded international counterpart funding agencies. This multi-lateral program encourages international research teams to seek additional partners from multiple sectors in the U.S. and abroad to leverage financial contributions and augment team capabilities. The GCs will facilitate the education and development of a globally-engaged workforce to support the climate and clean energy disciplines.

In FY 2024, OISE will continue its support for the Accelerating Research through International Networks (AccelNet) program. The goals of AccelNet are to accelerate the process of scientific discovery and prepare the next generation of U.S. researchers for multi-team international collaborations. AccelNet supports strategic linkages among U.S. research networks and complementary networks abroad (i.e., network of networks) to leverage research and educational resources to tackle grand scientific challenges aligned with Administration and agency priorities and that require significant coordinated international efforts. The program seeks to foster high-impact science and engineering by providing opportunities to create new collaborations and new combinations of resources and ideas among linked global networks. Each AccelNet award will build a network of networks across international and interdisciplinary boundaries. AccelNet will provide the funding to connect U.S. research networks with their international counterpart networks. These efforts will ensure the United States has access to the best ideas, people, and facilities, wherever they may be.

In FY 2024, OISE will continue to provide opportunities for U.S. STEM undergraduate and graduate students to participate in international research through the International Research Experiences for Students (IRES) program. The long-term goal of IRES is to enhance U.S. leadership by developing the next generation of STEM leaders. IRES supports the development of a diverse, globally-engaged U.S. science and engineering workforce and the active engagement of U.S. students in international research in all disciplines funded by NSF. In FY 2024, OISE will continue investments in two tracks:

- Track I supports international research experiences for cohorts of U.S. undergraduate and graduate students at international labs and research sites under the mentorship of host country scientists; and
- Track II supports advanced studies institutes that engage U.S. graduate students in active learning at the frontiers of knowledge with leading international experts.

The Global Venture Fund (GVF) resources new awards and supplements that include international collaborations, as well as projects which broaden participation by lowering barriers to international research. GVF funding augments programs resourced by the Research and Education Directorates. In FY 2024, OISE will continue its support for collaborative research that will enable innovative international connections not otherwise possible for U.S. researchers and students, advance the frontiers of knowledge, and contribute to U.S. scientific leadership.

In FY 2024, OISE will contribute to the following NSF cross-foundational activities.

- OISE will continue its support for Advanced Manufacturing at a level up to \$500,000 to increase knowledge in emerging areas to enable a new generation of manufacturing industries that do not exist today, that are compatible with human needs, that make U.S. manufacturing competitive far into the future, and that builds in resilience to global disruptions for the Nation's manufacturing infrastructure.
- OISE will continue to fund NNA at a level up to \$500,000. OISE's funds will support research that builds on and extends existing observing networks and scientific knowledge as well as logistics expertise to address the convergent scientific challenges in the changing Arctic. Interagency, state government, and international partnerships will be further developed to achieve pan-Arctic and Arctic-global perspectives.
- OISE will continue its investment of \$1.0 million in QIS to promote international cooperation. QIS will continue to build upon and extend the existing knowledge of the quantum world, fostering breakthroughs in the fundamental understanding of quantum phenomena and enabling the exploitation of these phenomena to disrupt the Nation's science and engineering landscape.

These advances will unleash the potential of the Nation’s quantum-based scientific enterprise, economy, and propel the Nation forward as a leading developer of quantum technology.

Major Investments

OISE Major Investments

(Dollars in Millions)

Area of Investment ^{1,2}	FY 2022 Actual	FY 2023		Change over FY 2023 Estimate	
		Estimate	FY 2024 Request	Base Total ³ Amount	Percent
Advanced Manufacturing	\$0.20	\$0.50	\$0.50	-	-
Climate: Clean Energy Technnology	17.05	5.00	12.50	7.50	150.0%
Climate: USGCRP	12.00	13.00	12.50	-0.50	-3.8%
Quantum Information Science	-	1.00	1.00	-	-

¹ Major investments may have funding overlap and thus should not be summed.

² This table reflects this office's support for selected areas of investment. In other directorate/office narratives, areas of investment displayed in this table may differ and thus should not be summed across narratives.

³ Captures both the FY 2023 Omnibus appropriation and the Disaster Relief Supplemental base.

To learn more about cross-agency themes and initiatives supported by OISE, such as Advanced Manufacturing, Clean Energy Technology, USGCRP, and Quantum Information Science, see the individual narratives in the NSF-Wide Investments chapter.

People Numbers and Funding Profiles

For detail on the People Numbers and Funding Profile, please see the Summary Tables chapter.