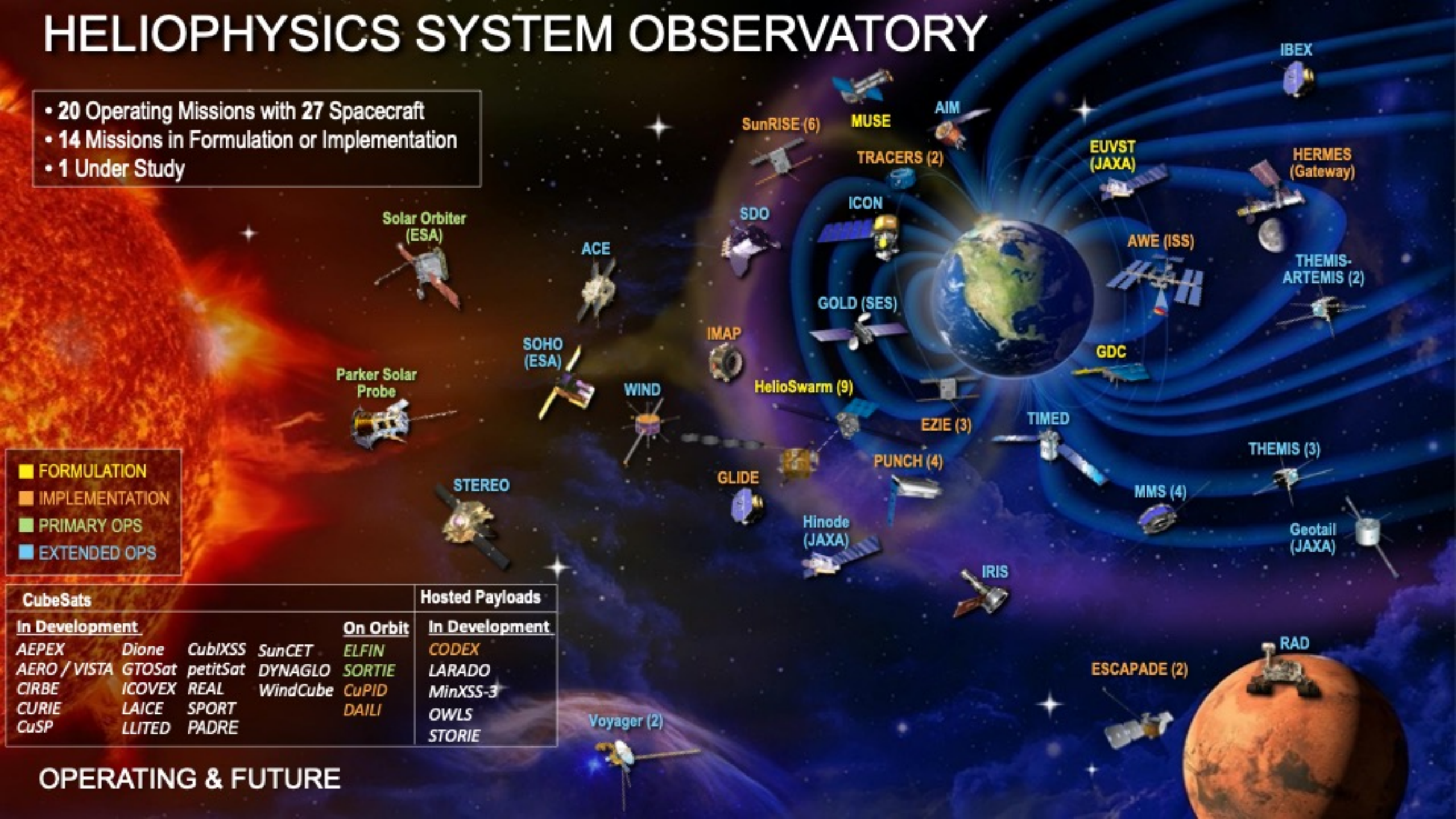
HELIOPHYSICS SYSTEM OBSERVATORY

- **20** Operating Missions with **27** Spacecraft
- **14** Missions in Formulation or Implementation
- **1** Under Study



- FORMULATION
- IMPLEMENTATION
- PRIMARY OPS
- EXTENDED OPS

CubeSats					Hosted Payloads
In Development				**On Orbit**	**In Development**
AEPEX	*Dione*	*CubIXSS*	*SunCET*	*ELFIN*	*CODEX*
AERO / VISTA	*GTOSat*	*petitSat*	*DYNAGLO*	*SORTIE*	*LARADO*
CIRBE	*ICOVEX*	*REAL*	*WindCube*	*CuPID*	*MinXSS-3*
CURIE	*LAICE*	*SPORT*		*DAILI*	*OWLS*
CuSP	*LLITED*	*PADRE*			*STORIE*

OPERATING & FUTURE

NASA Science Mission Directorate, Heliophysics Division Programs

National Aeronautics and Space Administration

Research

Highlights the newest mission data, utilizes the latest advances in modeling and machine learning, and develops the most innovative technological solutions.

Solar Terrestrial Probes (STP)

Addresses fundamental science questions about the very nature of space itself, and the flow of material and energy throughout the solar system– from the Sun to Earth to other planets to the interstellar boundary.

Explorers

Provides frequent flight opportunities for world-class scientific investigations from space utilizing innovative, streamlined and efficient management approaches within the heliophysics and astrophysics science areas.

Living With a Star (LWS)

Targets specific aspects of the Sun-Earth system that affect life and society: provides a predictive understanding of the Sun-Earth system, linkages among the interconnected systems, and, specifically, space weather conditions at Earth and the interplanetary medium.

Space Weather

Advances the science of space weather to empower a technological society safely thriving on Earth and expanding into space.

Technology

The Heliophysics Technology Program Office (HESTO) enables more focused, impactful, and innovative technology investments.

NASA Science Mission Directorate, Heliophysics Division
ROSES-2022 https://nspires.nasaprs.com/

National Aeronautics and Space Administration

Status	Solicitation	Release Date	Due Date
Open	B.10 Heliophysics Flight Opportunities Studies	2/14/22	9/1/22
Open	B.12 Heliophysics Data Environment Enhancements	2/14/22	3/29/23
Open	B.15 Heliophysics Innovation in Technology and Science	2/14/22	3/29/23
Open	B.16 Heliophysics Artificial Intelligence/Machine Learning-Ready Data	2/14/22	1/18/23
Open	B.17 Interdisciplinary Science for Eclipse: due dates TBD	2/14/22	2/14/23
Open	B.2 Heliophysics Supporting Research	2/14/22	2/14/23
Open	B.20 Heliophysics Tools and Methods	2/14/22	3/29/23
Open	B.22 Space Weather Centers of Excellence	2/14/22	See Details
Open	B.3 Heliophysics Theory, Modeling and Simulations	2/14/22	3/14/22
Open	B.5 Living with a Star Science	2/14/22	10/10/22
Open	B.8 Heliophysics Technology and Instrument Development for Science	2/14/22	8/31/22
Open	B.9 Heliophysics Low-Cost Access to Space: due dates TBD	2/14/22	2/14/23
Due in 30 days	B.14 Heliophysics Early Career Investigator Program	2/14/22	7/28/22
Due in 30 days	B.21 Heliophysics Citizen Science Investigations	2/14/22	8/18/22
Due in 30 days	B.4 Heliophysics Guest Investigators-Open	2/14/22	8/9/22
Draft	Draft 2022 Heliophysics Explorer Mission of Opportunity (MO) AO	6/22/22	Comments 7/22/222
Draft	Draft 2022 Heliophysics Small Explorer (SMEX) AO	6/22/22	Comments 7/22/22
Closed	B.11 Heliophysics Flight Opportunities for Research and Technology	2/14/22	6/22/22
Closed	B.7 Space Weather Science Application Research-to-Operations-to-Research	2/14/22	6/14/22