

# MOSSAIC

<https://asd.gsfc.nasa.gov/mossaic>

Rita Sambruna

Deputy Director, ASD

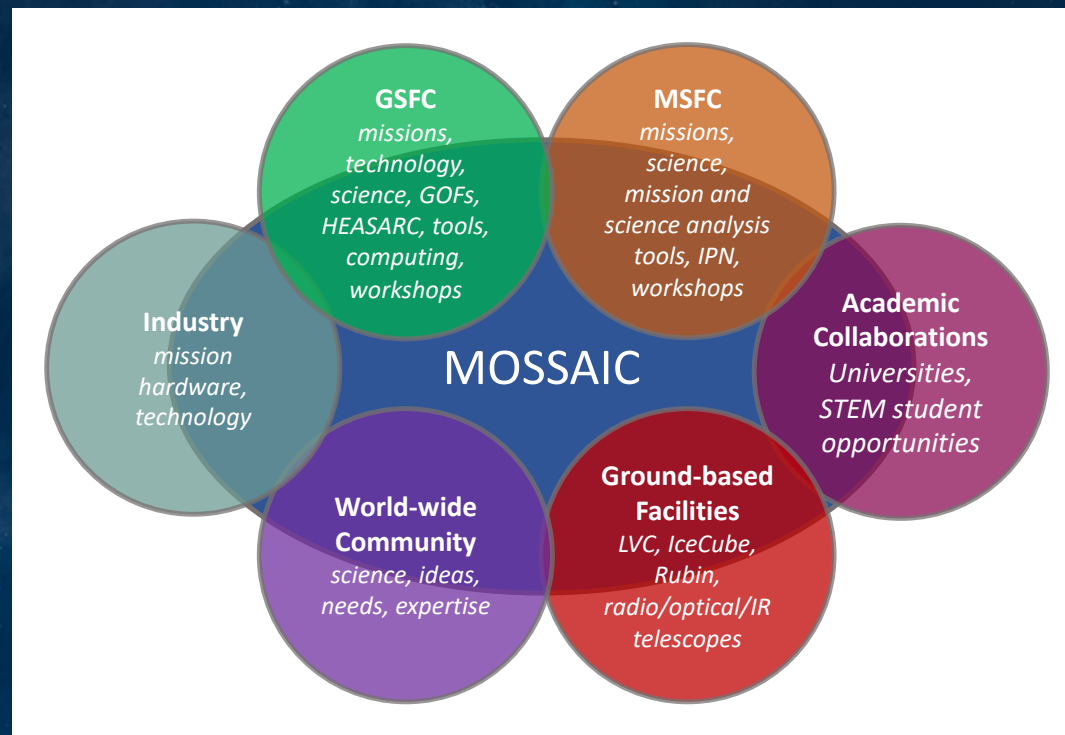
NASA's Goddard Space Flight Center

*On behalf of GSFC and MSFC*

# What is MOSSAIC?

- Multimessenger Operational Science Support and Astrophysical Information Collaboration
- Based on the 3Cs: Communicate (often and regularly), Coordinate (plan and execute together), and Collaborate (share ideas and tools)
- Primarily intended as a service to the community, to facilitate connections between ground- and space-based observers, theorists, computing and data scientists from the astronomy and physics fields.

# Who is MOSSAIC?



# What does MOSSAIC do?

MOSSAIC provides to the MMA/TDA community:

- Expertise in observations, data analysis, and interpretation
- Connection ground- and space-based observers for joint planning and executing
- Tools for observers and proposers for NASA missions
- Alerts (GCN, GCN modernization)
- Mission Development Support (Design Labs, STM development)
- Computing, AI/ML, and Theoretical modeling
- Mission Data Archive and analysis software (HEASARC)
- Space Communications capabilities and expertise (TDRS, DSN)
- STEM education and training
- Community Development (brainstorming sessions, workshops, internships)

# How can YOU be involved?

- Opportunities to provide subject matter experts (theory, observation, planning) and personnel for all MOSSAIC activities
- Opportunities to lead those activities that are restricted at Centers because of government regulations (i.e., hosting websites, IT limitations, talking to “prohibited” countries)
- Central role for STEM training and outreach
- Validation of MOSSAIC to the wide community
- Non-NASA sources of funding

Contact us at:

[mossaic@bigbang.gsfc.nasa.gov](mailto:mossaic@bigbang.gsfc.nasa.gov)