

GPM Mentorship Program: Connecting Precipitation Data to Society



Since 2014, NASA's Global Precipitation Measurement (GPM) Mission has provided the world with high-quality precipitation data to enhance societal decision-making at local, regional and global scales, from short-term crises to long-term planning. Leveraging each other's network to address user needs and facilitate the use of GPM data for societal applications, a collaboration between NASA GPM Applications (NASA GSFC) and University of Coimbra's Earth and Space Science Center (CITEUC Portugal) was commenced and the GPM Mentorship Program was developed. The program offers a free, online, and incremental training program for participants that is designed for active learning, aiming to reduce data barriers and allow them to effectively use GPM products to make informed decisions.

Program Goals

- 1 Support new users of satellite precipitation data from established and underrepresented communities.
- 2 Provide tailored hands-on learning experiences, both theoretical and practical trainings, in using GPM data for applications.
- 3 Enable direct interaction with subject matter experts (SME) in precipitation processes including representatives from NASA's Precipitation Measurement Mission Science Team.

Program Design



STEP 01

Program collaboration:
GPM Applications Team and University of Coimbra's Earth and Space Science Center



STEP 02

8 hours of virtual trainings over the GPM Mission, data, and applications



STEP 03

Selected participants carryout a **2-months GPM applications-oriented capstone project** with SMEs



STEP 04

Adopt tools and knowledge learned to apply GPM to existing and future applications

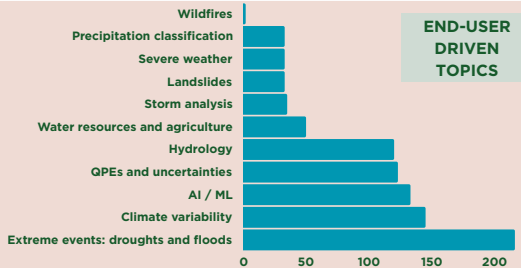
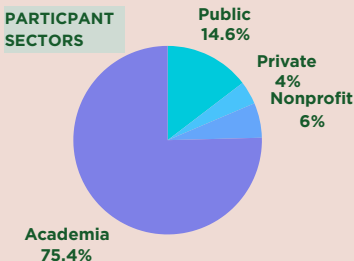
PROGRAM KEY STATS

Program Participants	313
Subject Matter Experts	29
Capstone Projects	54

71 COUNTRIES REPRESENTED



PARTICIPANT SECTORS



GPM Mentorship Program: Years in Review



The 2024 GPM Mentorship Program marks the third consecutive year of streamlining the use and uptake of GPM data for new and existing stakeholders to support societal applications and activities across their respective organizations.

Program Deliverables

- ✓ Dissemination of information about GPM's data resources to their peers and local organizations and communities;
- ✓ Project presentations highlighting the use of GPM data for decision-making;
- ✓ Mentor and mentee highlights showcasing best practices and lessons-learned for integrating GPM data into their activities; and
- ✓ Open access to training sessions (presentations and recordings) through the University of Coimbra's webpage.

2024



134
participants



108
organizations & institutions

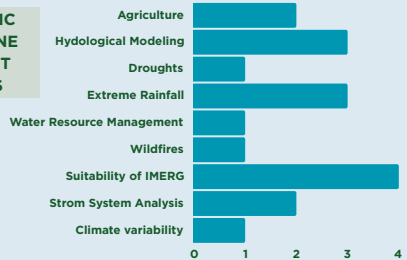


46%
Increase in user attendance

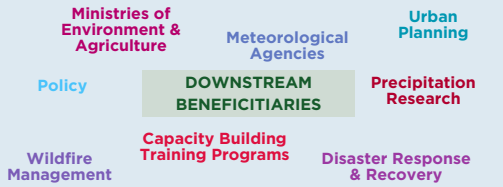


28
SMEs cohort

THEMATIC CAPSTONE PROJECT TOPICS



CAPSTONE PROJECT RESEARCH AREAS



2022



First
cohort of program



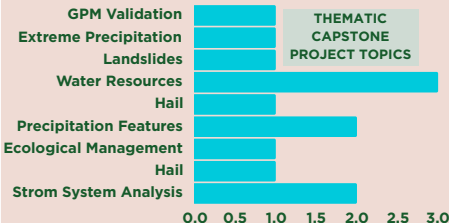
44
organizations & institutions



53
participants



13
SMEs cohort



2023



126
participants



99
organizations & institutions



23
SMEs cohort

