

# Capacity Building for the Access and Application of NASA Earth Science Data

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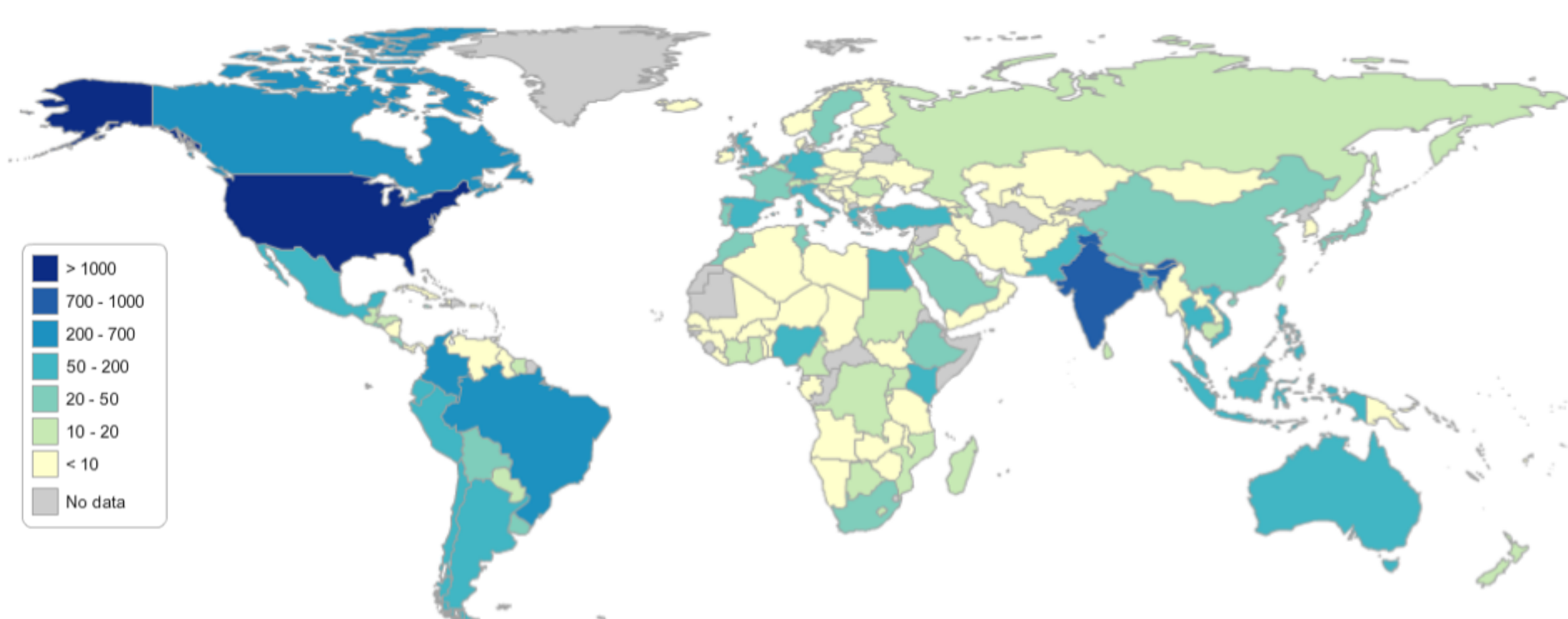
NASA's Applied Remote Sensing Training Program (ARSET) empowers the global community through remote sensing training. The program works directly with agencies and policy makers to develop in-person and online trainings that give end-users the skills to access, visualize, and apply NASA Earth science data. Learn more at <http://arset.gsfc.nasa.gov>

## About the Program

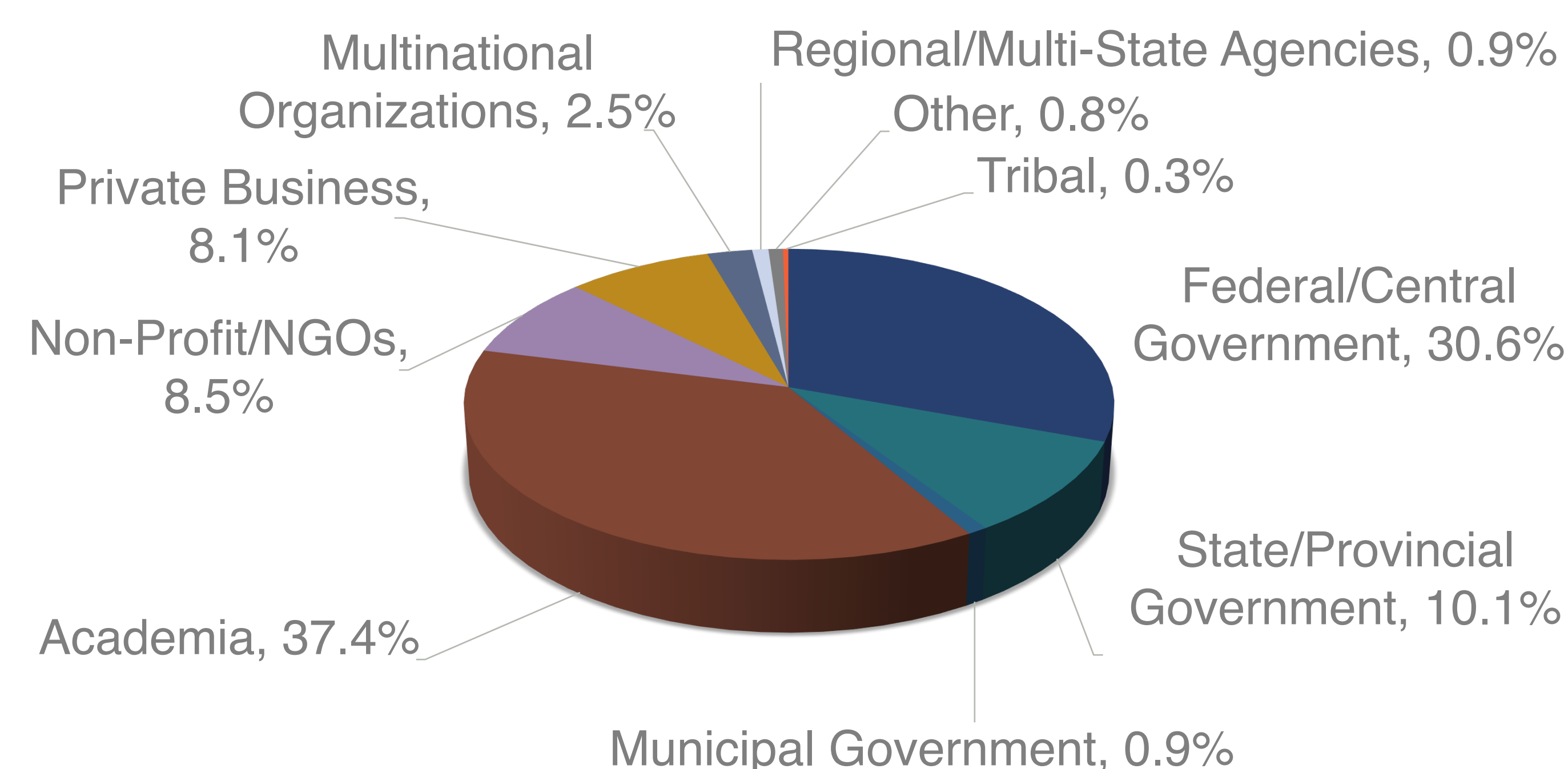
**ARSET empowers the global community through remote sensing training.** The program offers online and in-person trainings tailored to policy-makers, regulatory agencies, and applied environmental professionals. The main goal is to increase the use of NASA Earth science models and data for environmental applications in disasters, health and air quality, land, and water resources.



### Participants by Country (2009-2016)



### Participant Sectors (2009-2016)



## Working with Stakeholders

**Offer examples and benefits** of remote sensing before approaching stakeholders, intended for the non-expert

**Assess technical capacity** to sustain use of NASA data or resource use

**Seek boundary organizations** that understand the community needs and can connect you with other stakeholders

Develop **locally relevant** exercises and case studies



## End-User Needs Assessment

**Collaborate** with stakeholders who understand the needs of the community.

**Ask the right questions** to understand potential barriers and needs

What specific question or challenge is your organization trying to address?

What is preventing you and your organization from fully incorporating remote sensing resources?

**Assess** if the research question or management activity of a prospective participant can benefit from remote sensing

## Program Assessment

### Current Tools

Training **registration forms**

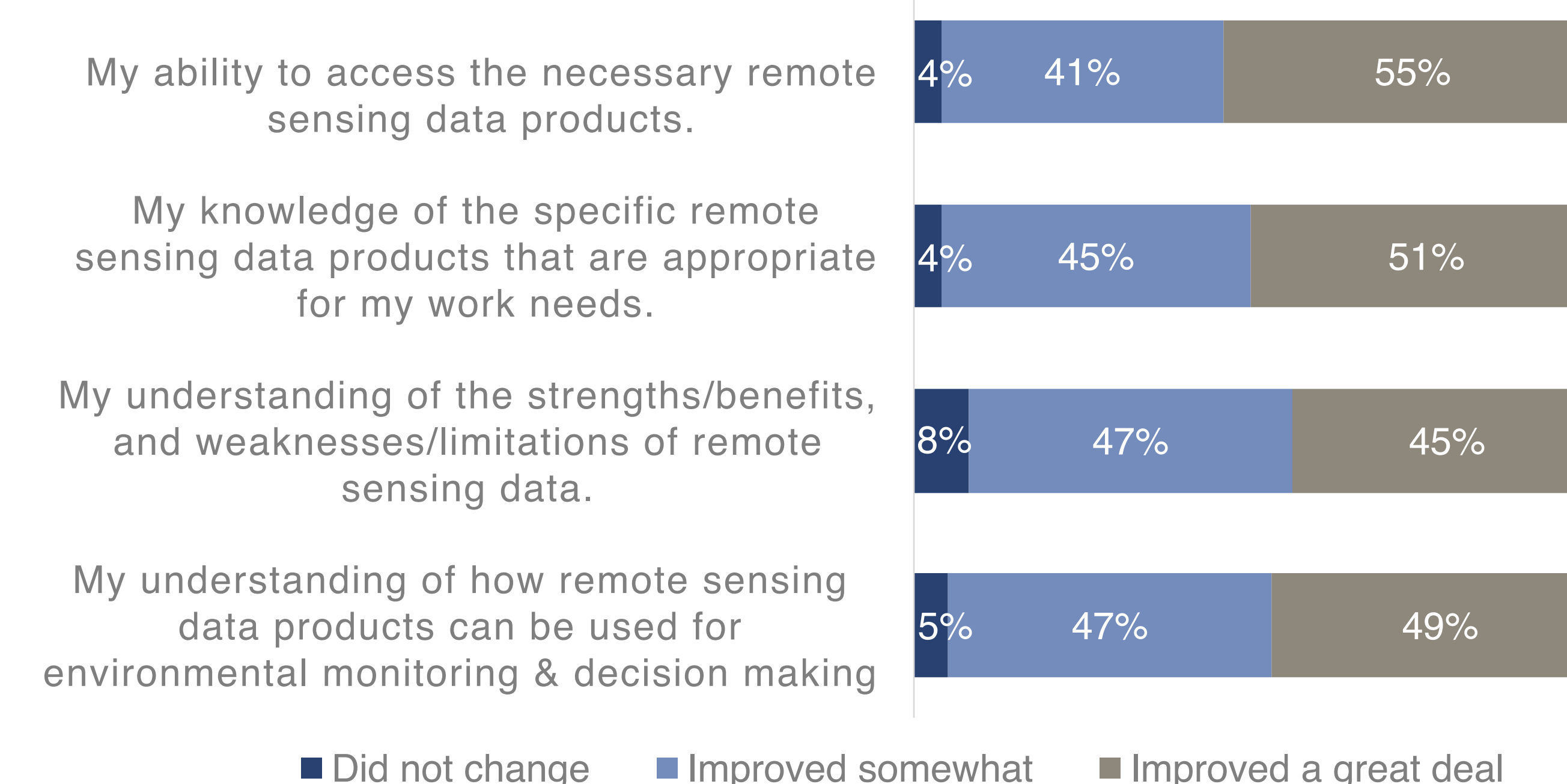
**Informal feedback** during training and Q&A sessions

**Survey 1:** given immediately after training

**Survey 2:** given 6+ months after training (measures impact and changes in NASA data use)

**Ad hoc interviews** to collect "success stories"

**Question: Please indicate how your understanding of remote sensing data has changed as a result of this ARSET training (n=1,684)**



## Contact Us

More information about ARSET is available at <http://arset.gsfc.nasa.gov/>  
You can also follow ARSET on Twitter @NASAARSET

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