

# Harnessing Massive Data Across Geophysical Domains and Applications

## June 3, 2026

### MEETING AGENDA (ALL TIMES EASTERN DAYLIGHT TIME; GMT-4)

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- 1:00-1:10 PM **Welcome and introduction**  
*Jessica Warren, COSEG Chair*  
*Barbara Romanowicz, COSEG member*
- 1:10-1:30 **The Earth We Record, the Earth We Simulate, the Earth We Write Down**  
*Marine Denolle, University of Washington*
- 1:30-1:50 **AI Seismology: Current Frontiers and Next Steps**  
*Mostafa Mousavi, Harvard University*
- 1:50-2:10 **Finding critical mineral deposits with massive geophysical data**  
*Gerrit Olivier, Fleet Space Technologies*
- 2:10-2:40 **Discussion**  
*Moderated by Wendy Bohon, COSEG member*
- 2:40-3:00 **BREAK**
- 3:00-3:20 **Revealing Deformation Processes with Interferometric Synthetic Aperture Radar (InSAR): Opportunities and Challenges**  
*Christelle Wauthier, Penn State*
- 3:20-3:40 **Monitoring Geohazards using High-Resolution Satellite Photogrammetry**  
*Chunli Dai, University of Florida*
- 3:40-4:00 **Harnessing high resolution topography to sharpen our view of earth processes**  
*Ramon Arrowsmith, Arizona State University*
- 4:00-4:30 **Discussion**  
*Moderated by Steve Nerem, COSEG member*
- 4:30-4:45 **Wrap-up, and meeting adjourns**  
*Donna Shillington, Northern Arizona University, COSEG member*