

## NSF NCAR Radar Technology Workshop 2026 - Breakout Questions

- **Session Name: Next-Generation Radar Systems and Facilities**
- **Topic/Scenario:** The Future of Ground-based and Mobile Radar
- **Date & Time:** March 11, 2026 | 10:40 – 11:30 am MST

<b>Title</b>	The Future of Ground-Based & Mobile Radar
<b>Description</b>	<p>The purpose of this session is to discuss the community needs and expectations for future radar systems and facilities. This session will discuss the importance of connecting science drivers to the technology, identifying a list of priorities, and understanding the limitations for achieving those expectations to support community atmospheric science research. In this breakout session, we should discuss how to advance facilities for ground-based and mobile radar. The session intent is to link the scientific gaps, radar technology, and platform capabilities to help guide decisions on current and future radars.</p>
<b>Topics and Objectives</b>	<ul style="list-style-type: none"><li>● What are some ways the community can adapt and develop radar facilities for long-term success in a changing radar landscape?</li><li>● How can we find appropriate applications that combine the capabilities of new or existing technology with scientific needs?</li><li>● How can we better utilize or implement different weather or cloud radars on ground and mobile platforms in a way that addresses important science gaps?</li><li>● What is the vision for building current operations into more advanced CONOPS?</li><li>● Discuss how to work with funding agencies to continue to support these important radar platforms</li><li>● Discuss the importance of cross-collaboration with actionable ideas</li></ul>