MPAR Potential and Interagency Collaboration

A NOAA Perspective

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To understand and predict changes in the Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs.

NOAA’s Mission

Goals

Radar data across goals

Climate  Weather & Water  Ecosystems  Commerce & Transportation

Radar data across goals
Three generations of radar systems benefitted from NSSL research

WSR-57  WSR-88D  Dual polarization

Don Burgess  Dusan Zrnic  Doug Forsyth  Pam Heinselman

NSSL scientists develop them
Three generations of radar systems benefitted from NSSL research.

What’s next for improved performance?

NSSL scientists develop them.
We can make use of existing partnerships

Diverse user community

Weather surveillance expertise

Non-weather expertise
MPAR is a paradigm shift

Multi-functional technology

Algorithmic & computational processing

Many dispersed capabilities

Diverse user communities
MPAR is part of the Hazardous Weather Testbed
What We Can Do

- Inform policymakers
- Make MPAR a priority
- Craft clear, concise messaging
- Communicate with internal stakeholders
- Demonstrate effectiveness (including cost-effectiveness)
- Inform policymakers
Thank you