



International Symposium on Advanced Radio Technologies™

June 10-13, 2024 | Denver, Colorado

Panel 5 - Openness, Collaboration, & Growing the Community



ITS: The Nation's Spectrum and Communications Lab
Boulder, Colorado • its.ntia.gov

ITS Institute for Telecommunication Sciences

Panel Summary

The U.S. Government has ambitious plans to utilize mid-band spectrum in support of both governmental and commercial interests. In order to accomplish such goals, the roster of spectrum engineers must grow. Part of growing the workforce is educational, but part is also lowering the bar to entry to attract attention in an increasingly crowded list of technical fields. This panel will look at how embracing open source and open data can grow the number of people wanting to pursue a career in RF measurement or propagation modeling. How can increased transparency of data and tooling open the doors to more productive collaboration among government, industry, and academia?



Panelists

- ▶ Elvira Pearce, Department of the Navy <elvira.pearce.civ@us.navy.mil>
- ▶ Richard Bernhardt, WISPA & WInnForum <rbernhardt@wispa.org>
- ▶ Kobus Van der Merwe, University of Utah <kobus@cs.utah.edu>
- ▶ Alan Rosner, NTIA <arosner@ntia.gov>
- ▶ Nick Laneman, Notre Dame & SpectrumX <jnl@nd.edu> (Moderator)



Panel Format

- ▶ Panelist Introductions & Opening Remarks (25 min, 5 min each)
- ▶ Prepared Questions & Answers (40 min)
- ▶ Audience Questions & Answers (25 min)



NSF SpectrumX was Built for FRX



30
Partner
Institutions

56
Researchers
and Staff

82
Students

12
Active
Collaborations

Collaboration Advisory Board ("CAB") Members		
Collaborating Partners		

RC - Economics, Rights, & Policy

RC - Technology & Measurements

RC - Models, Algorithms, & AI/ML

Research Communities (RC)

FP1 - Spectrum Awareness

FP2 - Scientific Coexistence

Flagship Projects (FP)

5G Sharing

AI/ML for Spectrum Mgmt

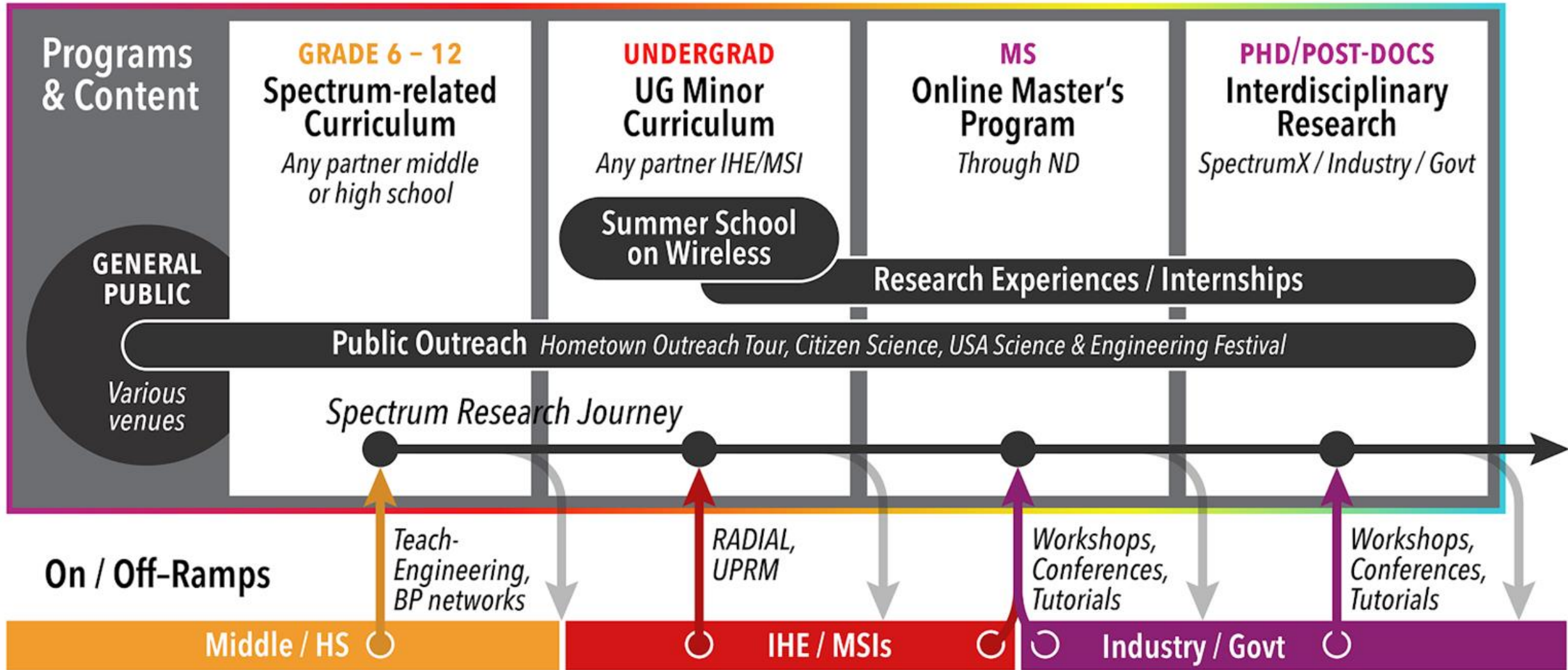
Valued-Based Spectrum Mgmt

Interference Analysis

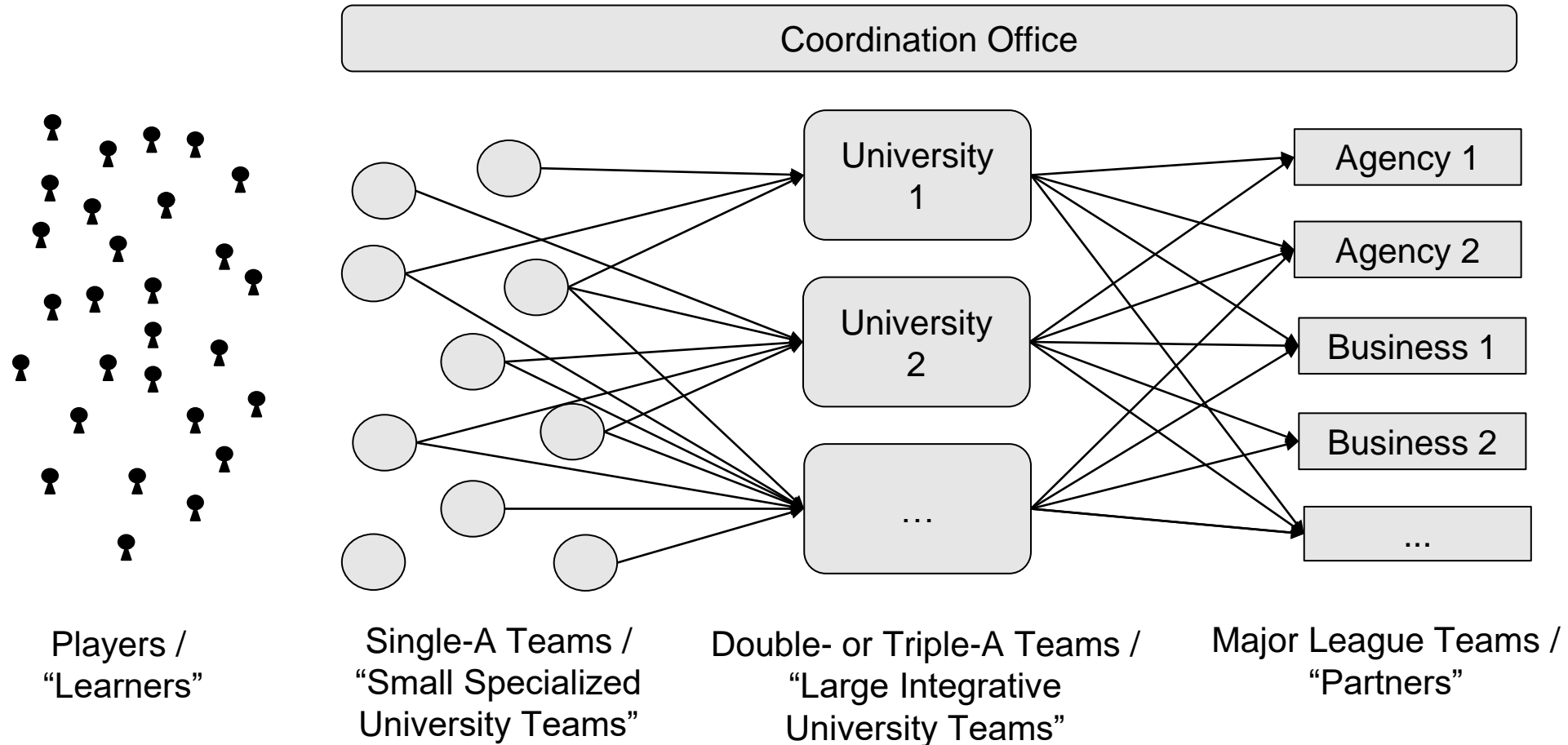
NTIA Liaisons



NSF SpectrumX EWD Plan



Spectrum Corps - A Farm System Similar to MLB



NSF Spectrum Week



**NSF SII Programs (SWIFT, NRDx, SpectrumX) co-located with IEEE DySPAN,
NSMA Annual Conference, & WSRD NSS R&D Plan Workshop
Arlington, VA, May 13-17, 2024**

