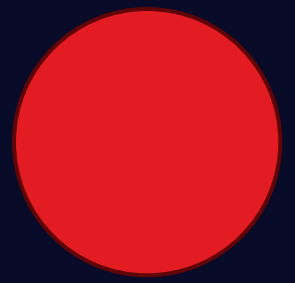
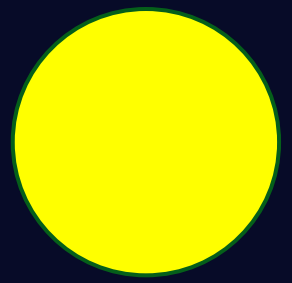
Data Sharing Workshop: Part 1
Locations

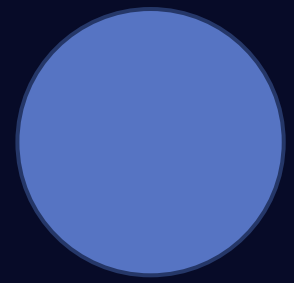
Attendees will be separated into groups for this afternoon's Workshop. After lunch, please go to the breakout room that matches the sticker on your badge and sit at the table matching your number.



West End Room



East End Room



Walnut Room

Welcome to the Workshop

Abstract

This interactive ISART 2026 workshop brings together MNOs, hardware vendors, researchers, and policymakers to confront data barriers limiting ML for telecommunications. Participants work in field-specific breakouts to identify the biggest problems they face regarding ML solutions to their work. Groups address the obstacles presented by other groups' solutions and develop mitigation strategies. The session concludes with whole-group consensus building to outline practical steps for enabling trustworthy, cross-sector data sharing to advance ML and AI for spectrum.

Workshop Outcomes

Identify:

- Data needed for ML
- Obstacles/barriers to delivering the data
- Solutions to overcome those obstacles/barriers

After this workshop:

- Challenge yourselves to work together and implement those solutions

Exercise 1: The State of the Data

- We will start with some basic questions regarding spectrum data for ML
- We will start with an individual writing exercise, followed by table discussions.
- We will end with room readouts.

Exercise 1: The State of the Data

Writing exercise (5 minutes):

- Where would your ML work benefit from more data to support learning and advancement?
- What characteristics or metadata would make you trust a data source and the data enough to use it for ML work?
- What's the biggest barrier to sharing data within and outside of your organization?

Exercise 1: The State of the Data

Discuss your answers with your table (10 minutes)

Exercise 1: The State of the Data

Readouts (15 minutes):

- Goal – surface common and critical themes from the room.
- Each table to provide a readout to the room.

Exercise 2: Data Deep Dive

- Now we will explore the data-based limiting factors for spectrum ML.
- We have two sets of prompts for table discussion.
- Room readouts will follow each set of prompts.

Exercise 2: Data Deep Dive

Data Foundations (10 minutes):

- What ML problems currently cannot be solved due to data-limitations?
- What spectrum data do you need to solve this problem?
- What minimum metadata and labeling standards are required for prospective ML work to be successful?

Exercise 2: Data Deep Dive

Data Foundations Readouts (10 minutes)

- Goal – surface common and critical themes from the room.
- Each table to provide a readout to the room.

Exercise 2: Data Deep Dive

Intelligent Operations (10 minutes):

- What data is essential for validating ML-driven scheduling or interference detection? (internal trust)
- What would enable you to trust shared data that could be used to develop ML solutions? (external trust)

Exercise 2: Data Deep Dive

Intelligent Operations Readout (10 minutes)

- Goal – surface common and critical themes from the room.
- Each table to provide a readout to the room.