

ATM-X Research Areas

SKY FOR ALL

Digital Information Platform

Open-architecture data platform for advanced data-driven services for all users



Extensible Traffic Management

Federated distributed service-based ATM decision-making

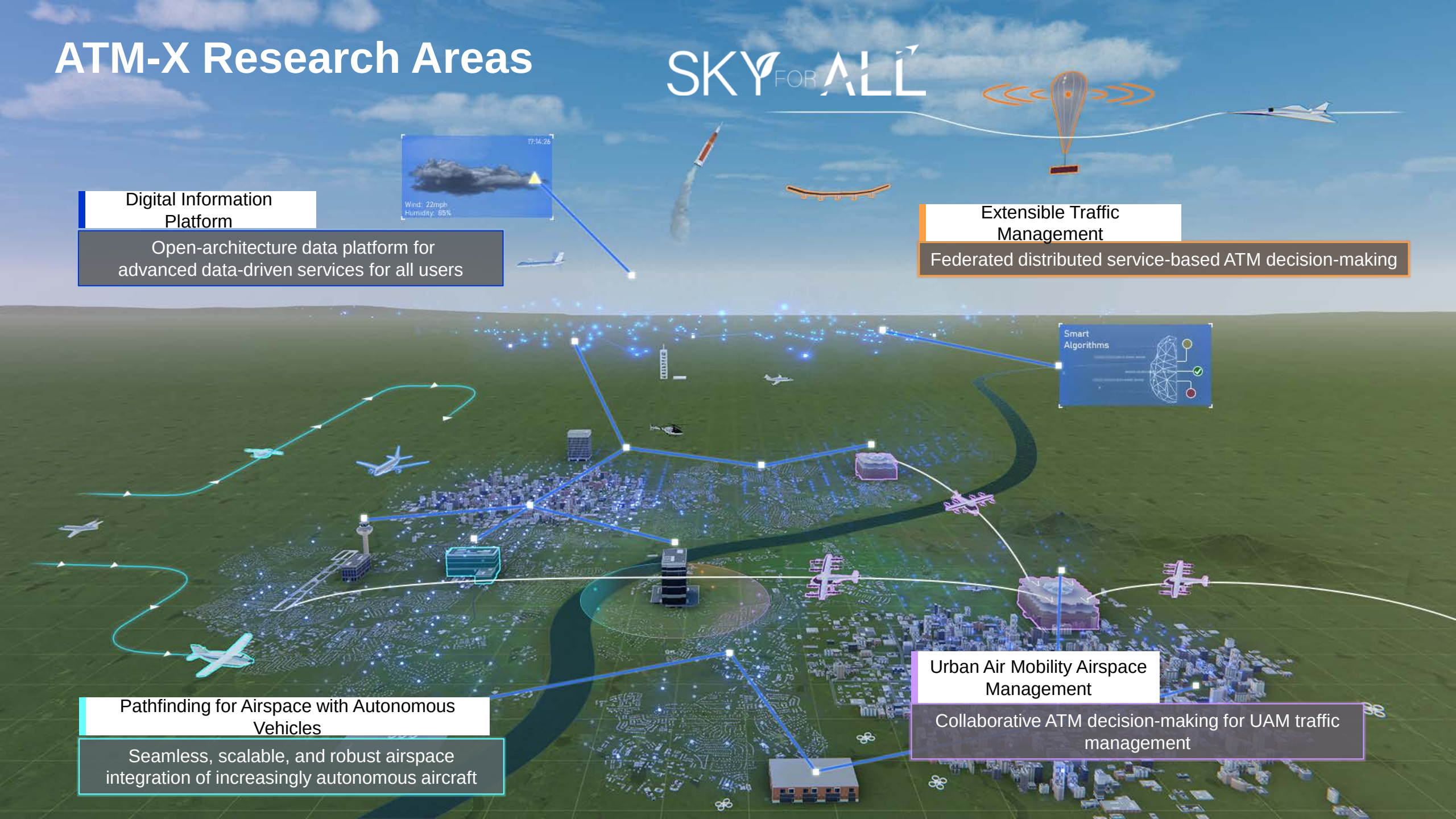


Pathfinding for Airspace with Autonomous Vehicles

Seamless, scalable, and robust airspace integration of increasingly autonomous aircraft

Urban Air Mobility Airspace Management

Collaborative ATM decision-making for UAM traffic management





AAM Research Partners and Aircraft



Urban Air Mobility
Airspace Management
Sub-Project Airspace
Partners



**Advanced Air Mobility
Beyond Visual Line of Sight
National Airspace System
Evaluation (BNE)**

BNE is a FAA NextGen flight demonstration designed to identify issues with ATC communications and handoffs between xTM corridor and ATC environments using live aircraft (Aurora Centaur), simulated aircraft, and a demo-ATC capability provided by the FAA Tech Center.

PAAV team is coordinating efforts with the FAA and participating in ongoing flight activities.



**Enable future airspace
integration of technologies and
procedures required for file and
fly UAS cargo operations**

The current agreement including a series of workshops and TIMs focused on the collaborative development of requirements for autonomous air cargo systems to integrate in the NAS as well as working towards future modeling, simulation, and flight activities.

Agreement signed on May 2022



**AAM Technology Research and
Demonstration Activities focused on
advancing airspace integration of
increasingly autonomous cargo
operations**

The current agreement includes the development of airspace integration use cases for autonomous cargo operations. This effort includes providing feedback on concepts, airspace procedures, and development of documented best practices for routine autonomous cargo ops.

Agreement signed on June 2022.

Pathfinding for Airspace
with Autonomous Vehicles
Sub-Project Partners



PC-12 At Glenn Research Center