

Asia Pacific Data Collection, Analysis, and Information Sharing Demonstration Project (AP-SHARE)

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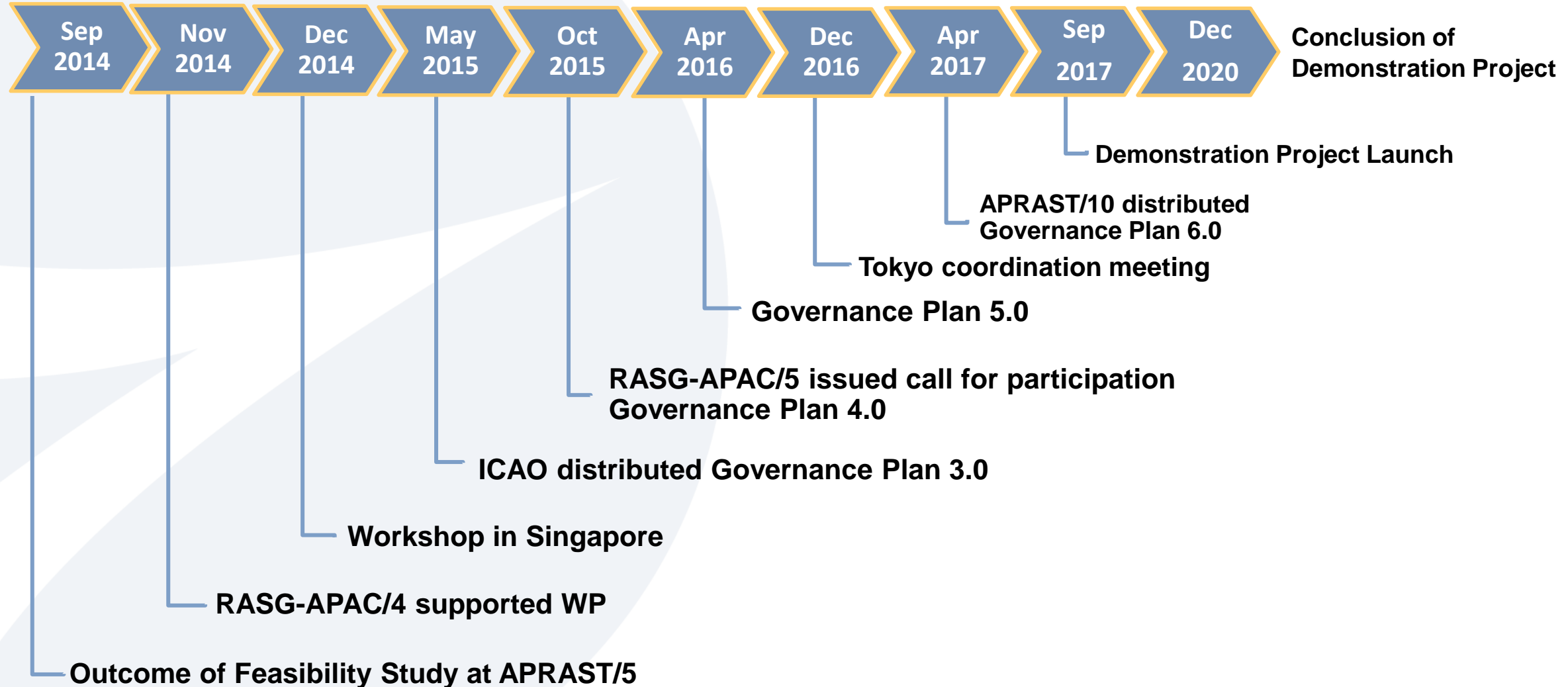
Who is involved in the project?

Countries	Airlines	
China Indonesia Japan Philippines Singapore	All Nippon Airways Batik Air Citilink Indonesia Garuda Indonesia Indonesia Air Asia Japan Airlines	Jetstar Asia Lion Air Scoot-Tigerair Silk Air Singapore Airlines Sriwijaya Air Wings Air

Industry Associations	Manufacturers	Associate Members
AAPA IATA	Airbus Boeing	Data4Safety US CAST

Secretariat	ANSPs
FSF MITRE	Airnav Indonesia CAAS

The AP-SHARE Journey



Construct of the Demonstration Project

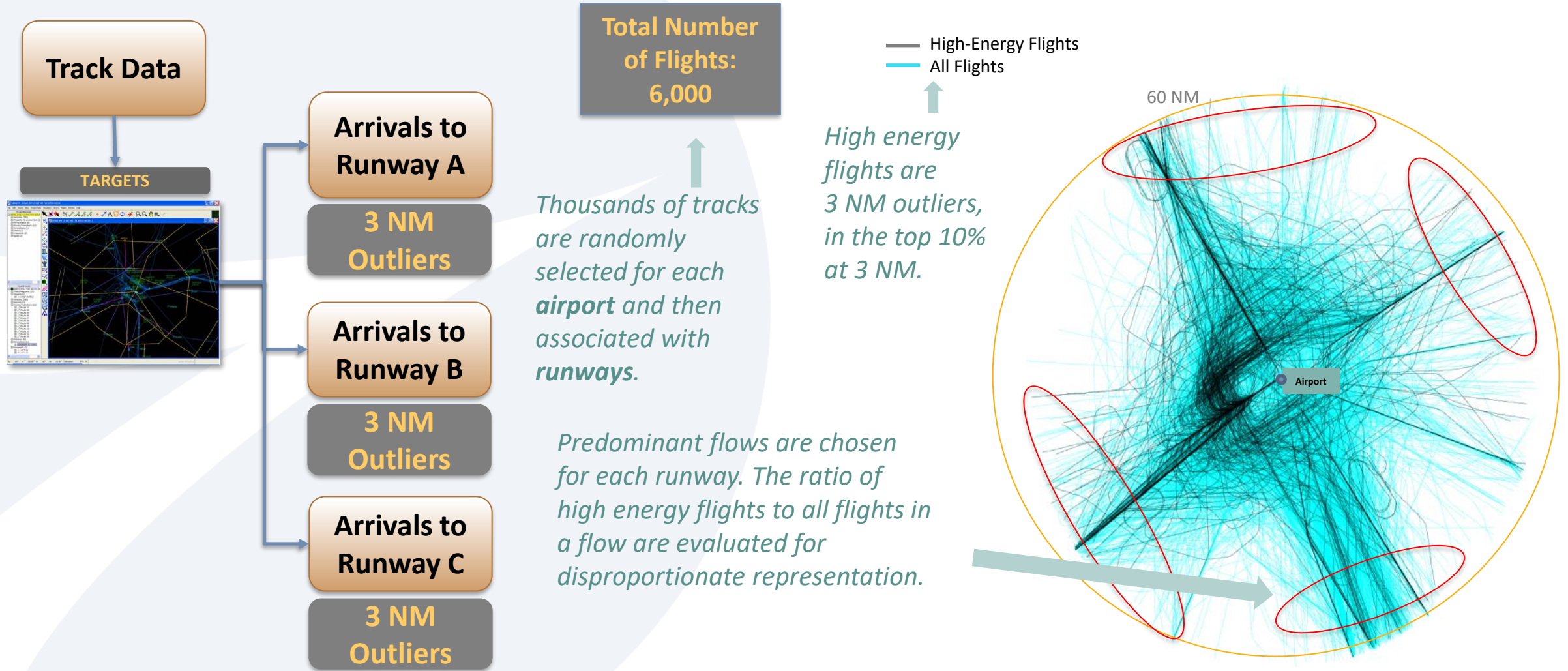
- **Identify** 3 safety issues for study
- Conduct a study on these issues by collecting source data from multiple partners and performing an initial **characterization** (Ground Based ADSB, IATA FDX / STEADES, Mandatory Incident Reports, etc)
- Cross **validate** the information from multiple sources for accuracy and contextual clues.
- Identify contributing factors and develop **mitigations** with a prioritized list of implementation/action plans.

AP Share Studies

- **TCAS RA**
- **Approach and Landing Risk**
- **Go-around initiation**

Sample Analytics

Flow Analysis of High Energy Flights



Demonstration Project – Building Blocks

- Robust governance framework
 - Governance document describing core principles
 - Data protection and confidentiality
- Active collaboration among all participating organizations
 - State and Industry co-leadership structure
 - Proactive sharing of resources
- Sustainable funding
 - Financial contribution from members to cover operating costs
 - Prudent use of resources and accountability to all members
- Availability of data for analysis
 - Large pool of operational ATC and flight data contributes to richer analysis and effective mitigation outcomes
 - Other data sources e.g. weather data have to be acquired to support analysis

AP-SHARE – Beyond the Demonstration Project

- Consensus on the benefits of continuing AP-SHARE
 - Gathering of feedback before arriving at decision to proceed beyond demonstration period
- Review of AP-SHARE operating model
 - Governance
 - Participation & funding
 - Secretariat role
 - Technical capabilities: data collection & data analysis
 - Sources of data

Conclusions for IASS (potential next steps for FSF)

- Flight Safety Foundation should continue to spawn new projects like these to practice the sharing of safety data collected from multiple stakeholders
- More should be published on the challenges and successes in safety forums on collaborative data sharing
- The analytics and art of safety study must be broadened through collaborative work with other industries