

# Low Earth Orbit Kinetic Space Safety Workshop

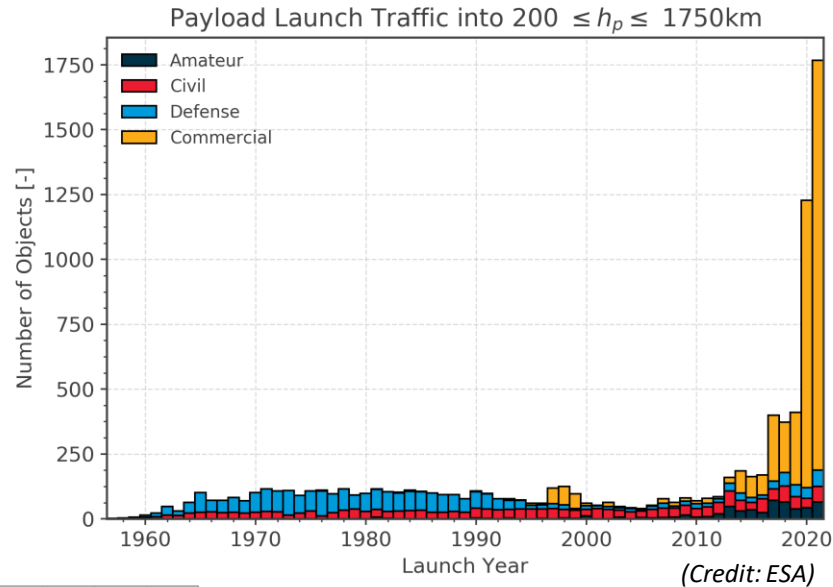


Unique format and results-driven approach  
4–5 May 2022 • Lausanne, Switzerland



# Why Are We Here?

An exciting new space ecosystem is here!



## Objective:

Characterize specific solutions and pragmatic actions for preserving and improving kinetic space safety

## Scope:

Collision risk from artificial objects to assets in LEO

## Framework:

Structured, comprehensive breakdown of kinetic space safety enhancement opportunities

## Format:

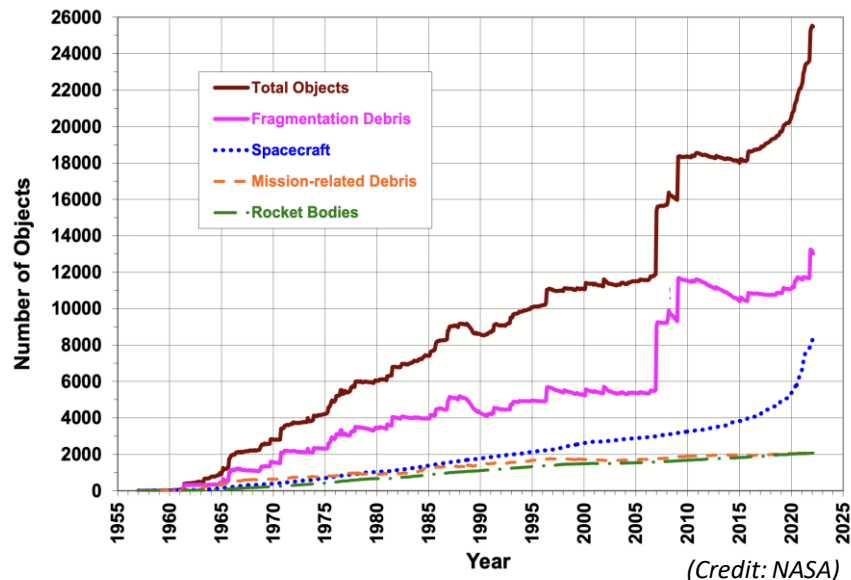
Community polling  
Keynote presentations  
Roundtable discussions

## Metrics:

Benefit, cost, and maturity

## Products:

Workshop findings  
Position paper



... and with it comes new concern for safety and sustainability.

# A Framework for Enhancing Space Safety

LEO Kinetic Space Safety

*What can we do to enhance kinetic space safety?*

*We can improve the ability of missions to operate within a given environment ...*

Operational Resilience

*How do we do that?*

*We can design hardware to withstand impact ...*

Impact Tolerance

*How do we do that?*

*... and we can avoid colliding with other objects.*

Collision Avoidance

*How do we do that?*

*... and we can more effectively manage the environment itself.*

Environmental Stewardship

*How do we do that?*

*We can limit the generation of new debris ...*

Debris Prevention

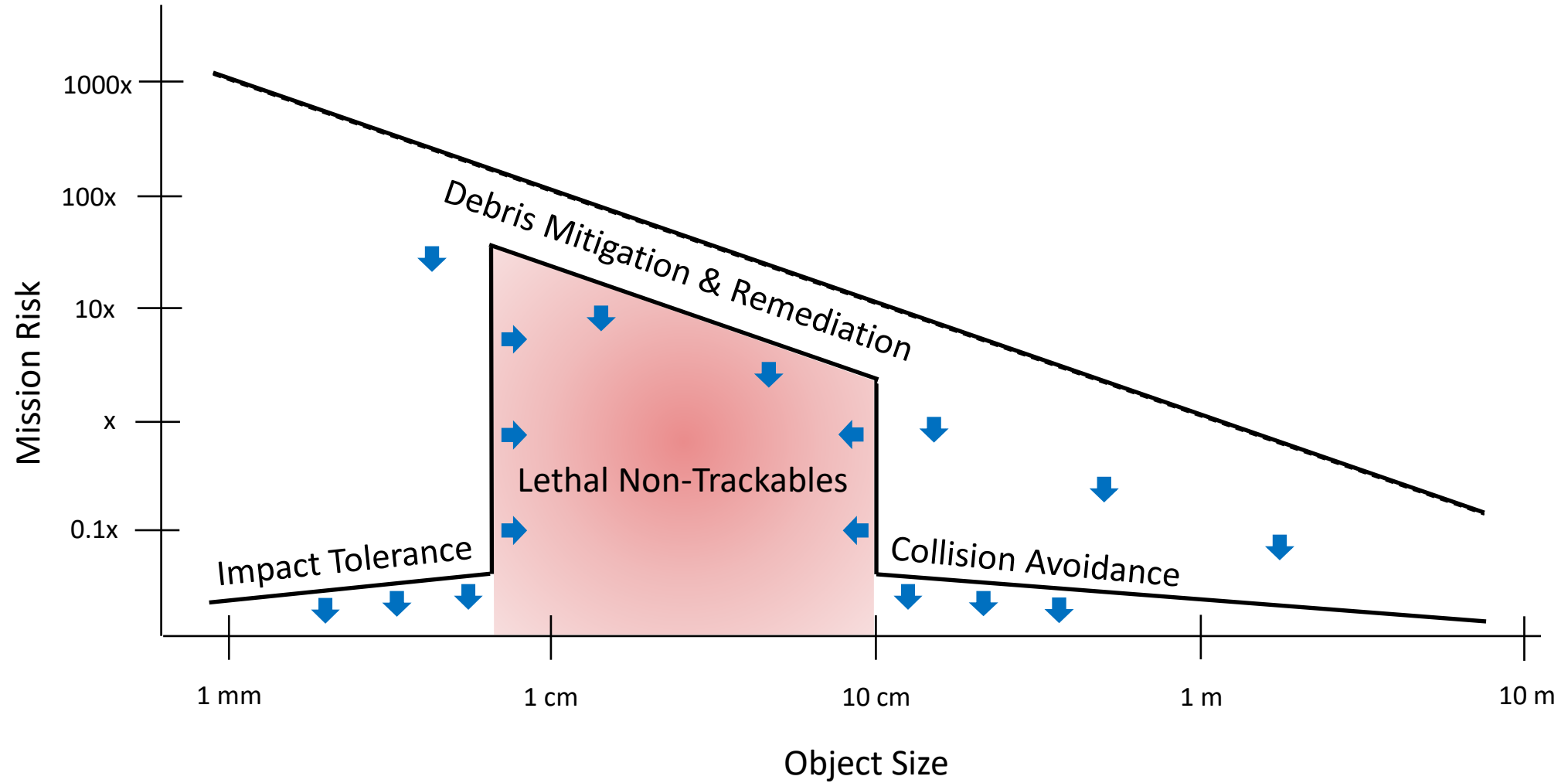
*How do we do that?*

*... and we can reduce the amount of existing debris.*

Debris Remediation

*How do we do that?*

# Reducing Collision Risk



# Workshop Agenda

Polling Results

Stakeholder Perspectives

Impact Tolerance

Collision Avoidance

Debris Prevention

Debris Remediation

Post-Workshop Polling

# Thank You for All the Work Behind the Scenes!!!

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