



# QUEENSLAND EARTH OBSERVATION HUB

*Building Community, Growing Industry*

**Supporting QLD's  
Disaster Resilience from Space**

**Prof. ANDY KORONIOS**  
CEO & Managing Director

**SMARTSAT**  
COOPERATIVE RESEARCH CENTRE



Australian Government  
Department of Industry,  
Science and Resources

Cooperative Research  
Centres Program





# Welcome and Acknowledgement of Country

*I acknowledge the traditional custodians of the lands & waters where SmartSat conducts its business*

*I acknowledge and respect their continuing culture and the contribution they make to the life of this city and this region.*

*I also acknowledge and welcome other Aboriginal and Torres Strait Islander people who may be attending today's event.*



# The Problem: - All too Frequent!... A Clear & Present National Challenge!

November. 2025

## Disaster assistance announced for Queensland residents hardest hit by storms

State and Federal governments have announced emergency funding for those worst affected by this week's giant hailstorms.

midnight battering

South East Queensland was buffeted by more storms on Sunday night, bringing heavy rain and high winds to the region.



March. 2025

November. 2025

South-east Queensland storms declared 'insurance catastrophe' as staggering damage revealed

**Floodwaters still threaten parts of Australia's east coast as tropical storm cleanup begins**



## Queensland Stands on the Front Line of Climate and Disaster Risk

- Cyclone Intensity is increasing
- Rainfall becoming more extreme
- Bushfires growing in frequency & Scale
- Coastal erosion reshaping entire communities

**We need to shift from.....**

1. Data Collection
2. Fragmented Tools
3. Reactive Response



Decision-ready Intelligence  
Integrated Digital Infrastructure  
Proactive Resilience



# Qld EO Hub: A Partnership Built to Deliver Real Outcomes for Queensland

## QUEENSLAND EARTH OBSERVATION HUB PROJECT PARTNERS



# SmartSat CRC: A National Success Story

## The Largest Space Research Collaboration in the history of Australia





# SmartSat CRC is transforming....





Australasian  
Space  
Innovation  
Institute



# Our Major Focus: **Flagship programs of impact**

*Big challenges, big investments, shared returns*



**Takahē Maritime  
Domain Awareness**



**National Digital  
Twin for  
Agriculture**



**Digital Infrastructure  
for  
Disaster  
Management**



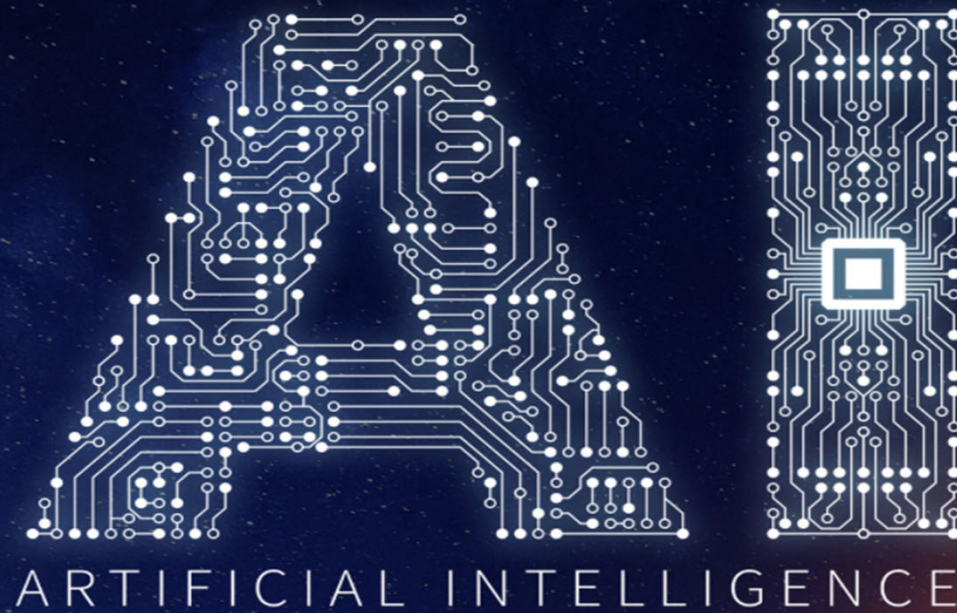
**Defence Nexus**

 **Each program is a large-scale, multi-partner initiative generating data, with IP and commercial spin-offs**

# Flagship Program of Impact: in Emergency Management







**The next decade will be defined by how well we use space and AI here on Earth**

**Queensland can lead Australia.... Australia can lead the Indo-Pacific..... and....  
ASII is here to guide that journey.**

Make Space for Earth



Australasian  
Space  
Innovation  
Institute