IDEaS SANDBOX
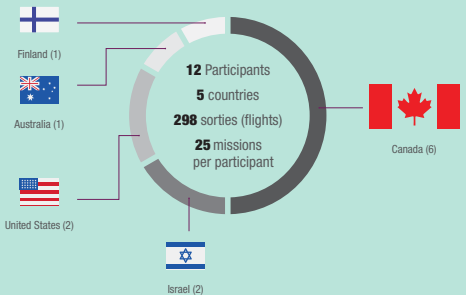
DETECTING AND DEFEATING UNMANNED AERIAL SYSTEMS (CUAS)
SEPTEMBER 12 TO OCTOBER 7, 2019

EVENT BY NUMBERS

Finland (1)

Australia (1)

United States (2)

12 Participants
5 countries
298 sorties (flights)
25 missions per participant
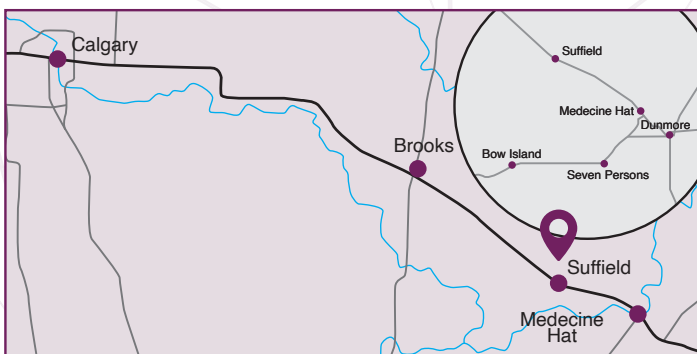
Canada (6)

Israel (2)

THE CHALLENGE

The Canadian Armed Forces need new technologies and approaches to detect and defeat various threats from drones. The 2019 Counter Unmanned Aerial Systems Sandbox gave an opportunuty for innovators to test and demonstrate their solutions to potential government and military clients in a real world environment. Innovators were given access to advanced infrastructure in an optimal test enviomnent to trial responses to various realistic threats and modern tactical scenarios while receiving expert feedback for use and development.

TECHNOLOGIES TESTED
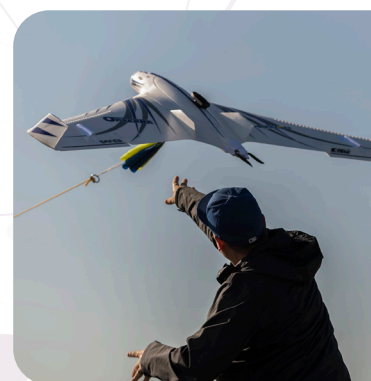
DETECTION

→ Electro-Optical

→ Acoustic

→ Radar

DEFEAT

→ Drone fired nets

→ Drone bullets

→ Jammers

→ Interceptor drones

LOCATION Suffield, AB

Calgary

Suffield

Medecine Hat
Dunmore

Brooks

Bow Island
Seven Persons

Suffield

Medecine Hat

BENEFITS

- **OPPORTUNITY** for innovators to test, advance and improve their technologies in a realistic scenario against various threats;

- **LIVE** feedback by **DND, CAF, RCMP** and other experts enabling innovator refinement of their systems and technologies.

- **HELPING** to advance development of Counter Unmanned Aerial Systems for use by military and public safety organizations to ensure the continued safety of Canadians.

IDEaS
INNOVATION FOR DEFENCE EXCELLENCE AND SECURITY

"The Canadian Army is thrilled to see advancement happening in the field of Counter Unmanned Aerial Systems."

- Colonel Chris Renahan, Directorate Land Requirement

Who Benefits | Canadian Army | Canadian Special Operations Forces Command (CANSOFCOM) Royal Canadian Navy | Royal Canadian Air Force | RCMP | Public Safety Airport authorities Transport Canada | Allied International defence and security departments