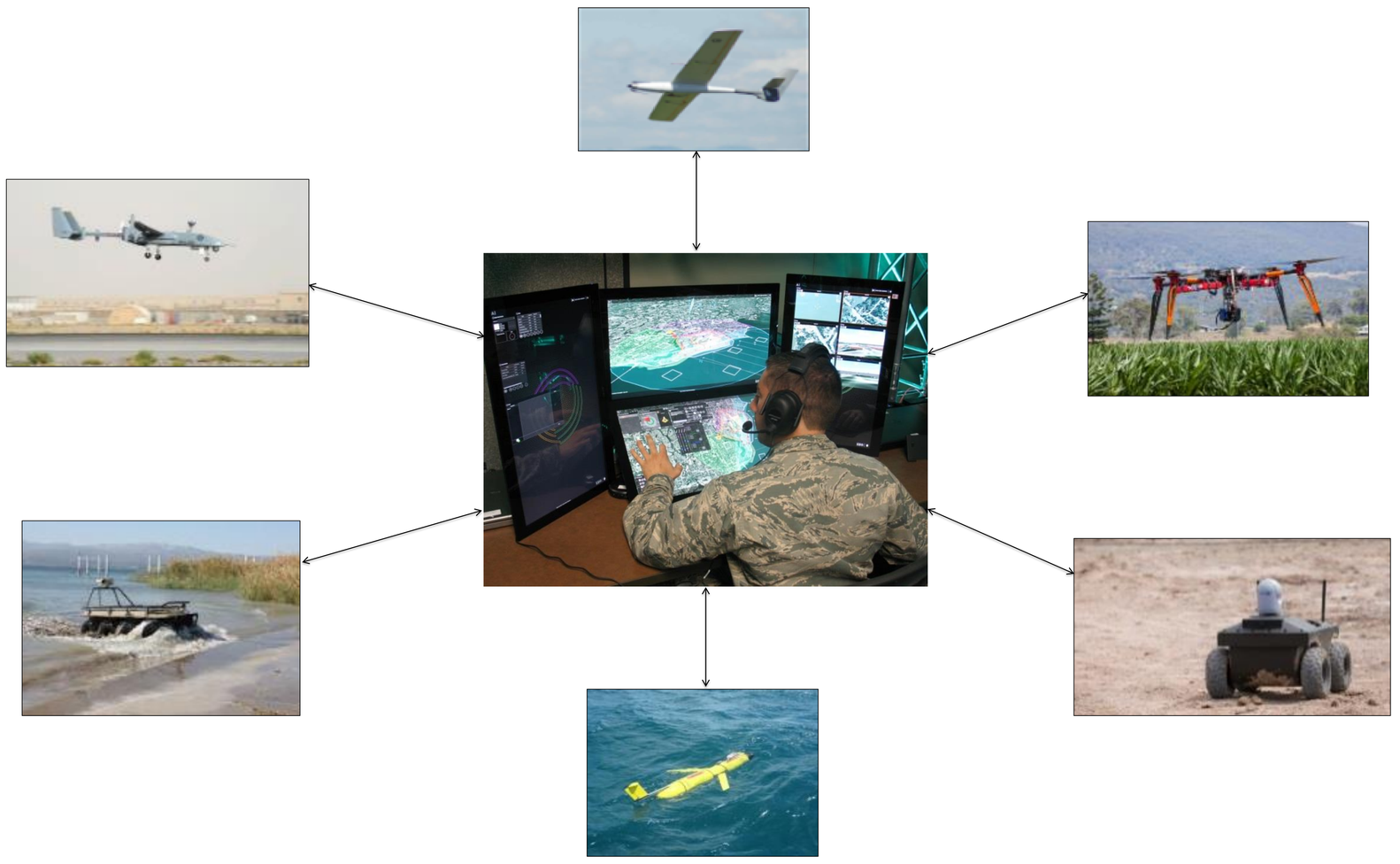
Australian Government
Department of Defence

Adapting the Transparency of Autonomous Systems to Optimise Human-Autonomy Teaming in Command and Control (C2) Settings



Purpose

- Establish an empirical evidence base regarding how to design autonomous systems to increase operator understanding of automated advice
- Identify what type and amount of transparent information is optimal, and how to present it
- Increase the accuracy and timely use of automated advice in C2 settings

Schedule

- FY20/21: Study 1 – Data collection, analysis, and dissemination of findings (to Defence & academic communities)
- FY21/22: Study 2 – Data collection, analysis, and dissemination of findings (to Defence & academic communities)

Product

Best practice guidelines for:

- Designing automation transparency in C2 settings, and;
- Testing transparency designs in high fidelity simulations with ADF operators

Partners

- The University of Western Australia: Shayne Loft, Jason Bell, Troy Visser
- The University of Melbourne: Ken McAnally
- Oregon State University: Jason McCarley
- ONR Global: Ben Knott
- DST Group: Adella Bhaskara