E: info@defenceinnovationnetwork.com
W: www.defenceinnovationnetwork.com

OFFICE AT:
Building 5B, Level 5, Room 25-26, 1 Quay St, Haymarket NSW 2000

Defence Innovation Network Grant Scheme: Pilot Project

ARMY DATA ANALYTICS

PROBLEM

"How Data Analytics Saved My Life" (a day in the life of an Army intelligence officer deployed in Iraq)
McKinsey reports: 90% of data available doesn't get used

RESEARCH QUESTIONS

1. How can the ADF / Army harness commercially-available data to support Tactical and Operational commanders in the field?
2. How can Machine Learning be used to support delivering Decision Advantage to Tactical and Operational Commanders.
3. How can commercially – and/or publically available data, including Social Media activity, be integrated with military data to support Decision Advantage in the Field?

- **Tactical and Operational Commanders** – Division/Joint Task Force and Below. The forces deployed forward in a theatre of operations, e.g. ADF/Army Task Groups in Iraq or Afghanistan, or non-warlike operations such as Op APEC 18 Assist or Op FIJI Assist. Not Strategic HQs located in Australia. Could be an Operational/Tactical HQ based in Australia such as Defence support to Border Protection.
- The **Field** – deployed into a temporary HQ location – tents or temporarily occupied infrastructure.
- **Decision Advantage** – the ability to understand the environment and situation in sufficient detail and clarity to make faster and more effective decisions than enemy or threat stakeholders.
- **Commercially Available** – paid for, provided by civilian or corporate entity.
- **Publically Available** – free to access down load from government, public or corporate entity.
- **Military Data** – Data already in use/collected by ADF, such as mapping and imagery, weapon data, logistic data, sensor data etc.

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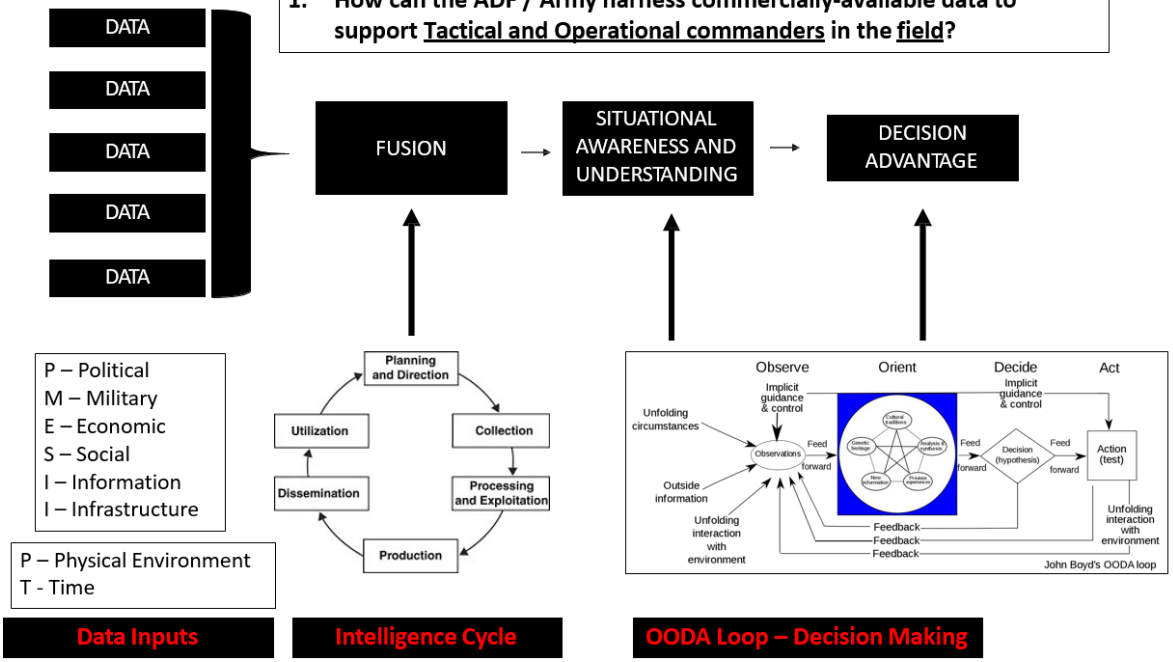

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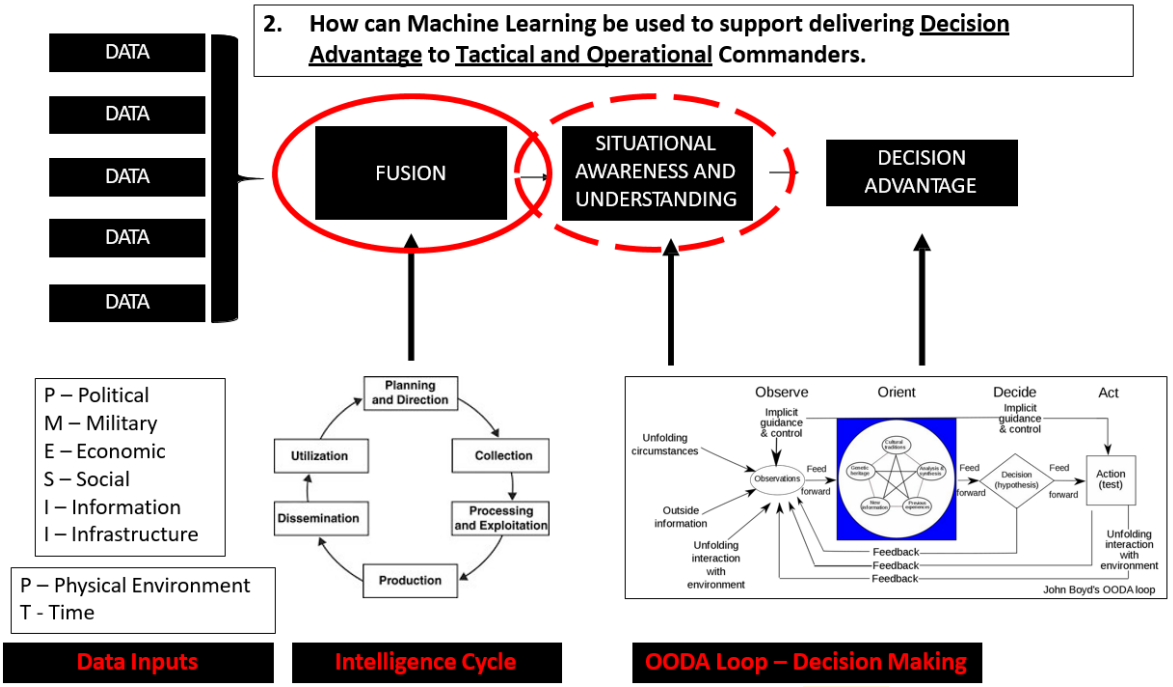

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