



Australian Government

Department of Defence
Science and Technology

Partnering with Food & Nutrition STC

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Our locations ...



S&T Areas

FOOD SCIENCE & TECHNOLOGY

- Food processing
- Shelf-life extension
- New product development
- Fortification
- Organoleptic properties
- Mission adaptive ration packs
- Packaging



NUTRITION

- Dietary requirements
- Energy expenditure
- Diet and cognition
- Eating behaviour
- Fresh and field feeding
- Dietary supplements



Alignment with Army Requirements

Cognitively Augmented

How can Army enhance cognitive performance through *nutrition* and supplementation?



Physically Prepared

How can Army optimise feeding systems to deliver enhanced *nutrition*?



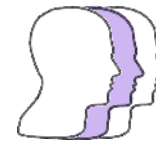
Physically Augmented

How can Army apply *food* technologies for the enhancement of physical performance and resilience?

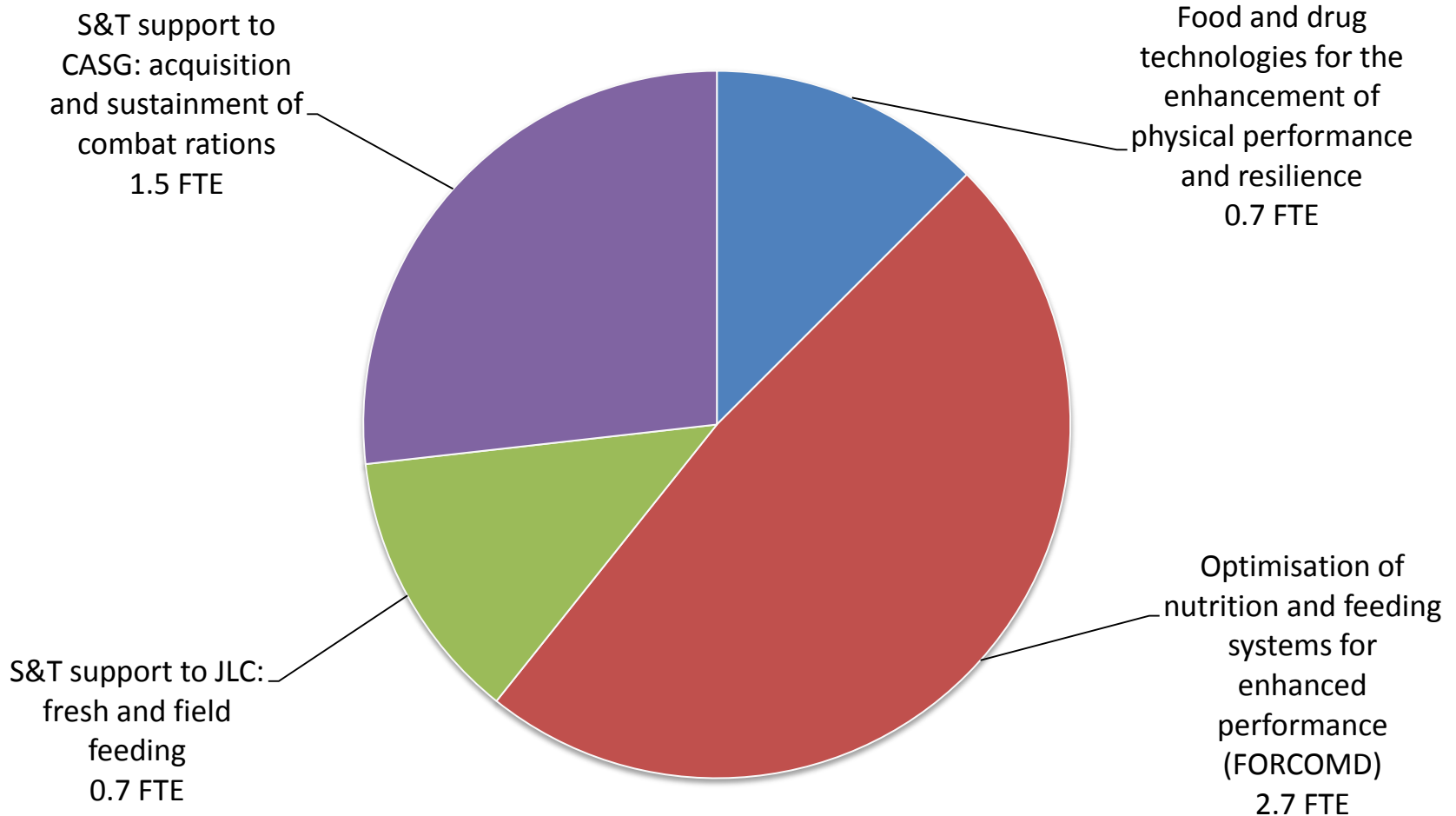


Organisationally Adaptive

How can Army influence the perceptions and choices of personnel?



Food & Nutrition – Current Commitments





Facilities



Partnerships



Australian Government

Department of Defence
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Collaborative Research Agreement with Griffith University

Military Marketing and Consumer Behaviour

- Apr 2016 – Apr 2021
- Choice and decision bias in a military context
- Eating behaviour
 - Secondment placement for 3.5 years
 - Hons x2
 - PhD x2
 - Project: Military Dining Facilities Research Study



Collaboration Agreement

Centre for Food Innovation

- Apr 2015 – Dec 2017
- Three parties
 - DST Group
 - University of Tasmania
 - CSIRO
- Objectives
 - Promote and monitor collaboration across the parties' food sciences and nutrition activities in Tasmania (link nationally)
 - Enhance industry engagement in Tasmania
 - Explore dual use of S&T for combat feeding and performance with commercial innovation in agri-food in Tasmania



Partnership Potential

- CRA with GU has expanded
- CFI has led to a significant investment in new food processing technology
 - Microwave assisted thermal sterilisation (MATS)
 - CRA (draft) with UTAS, DST Group, CSIRO, WSU and 915 Labs for MATS research
- Dietary influences on physical and cognitive performance



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