

Rapid Prototyping, Development and Evaluation: The 7 Year Itch



ACCELERATING CAPABILITY CHANGE

rapid prototyping, development and evaluation

RPDE Locations

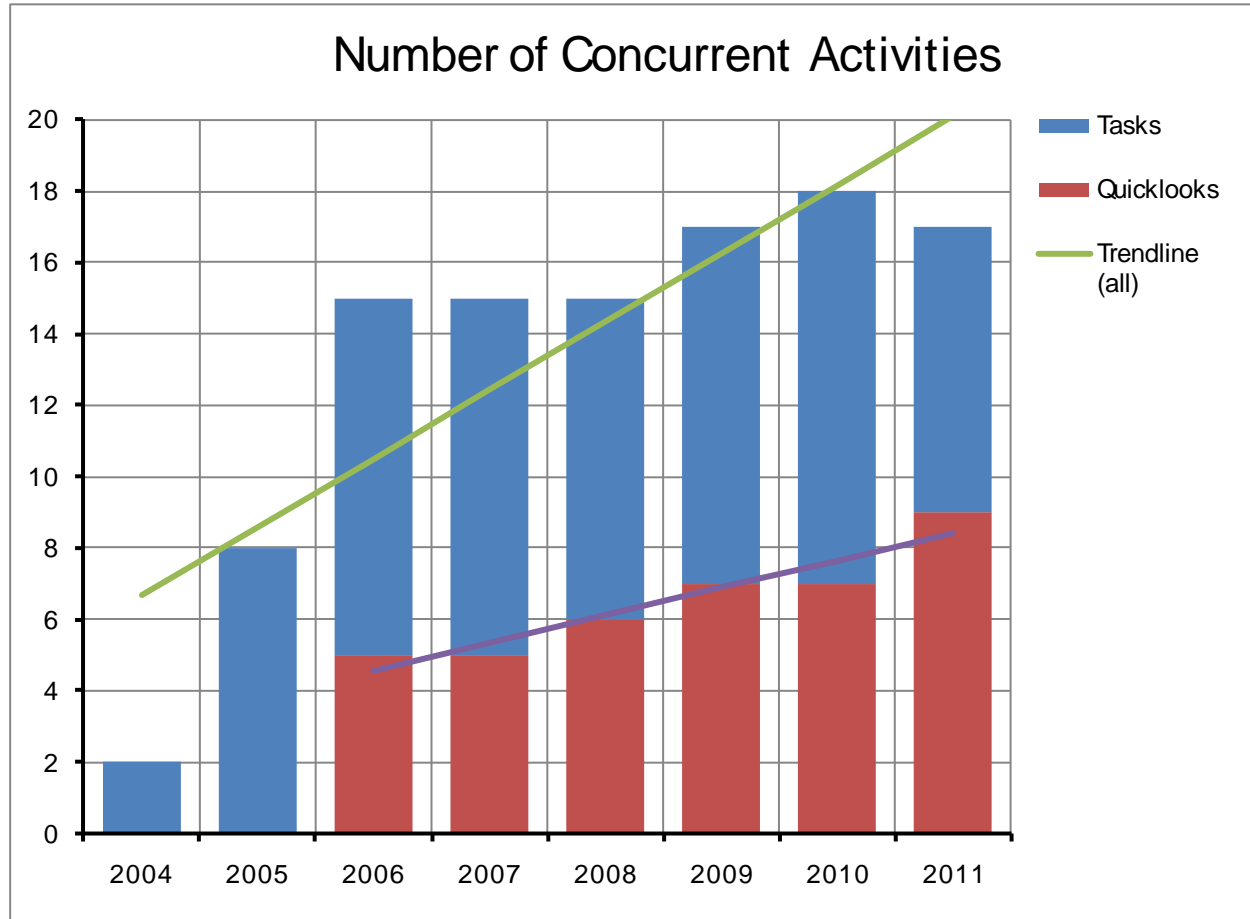


Canberra

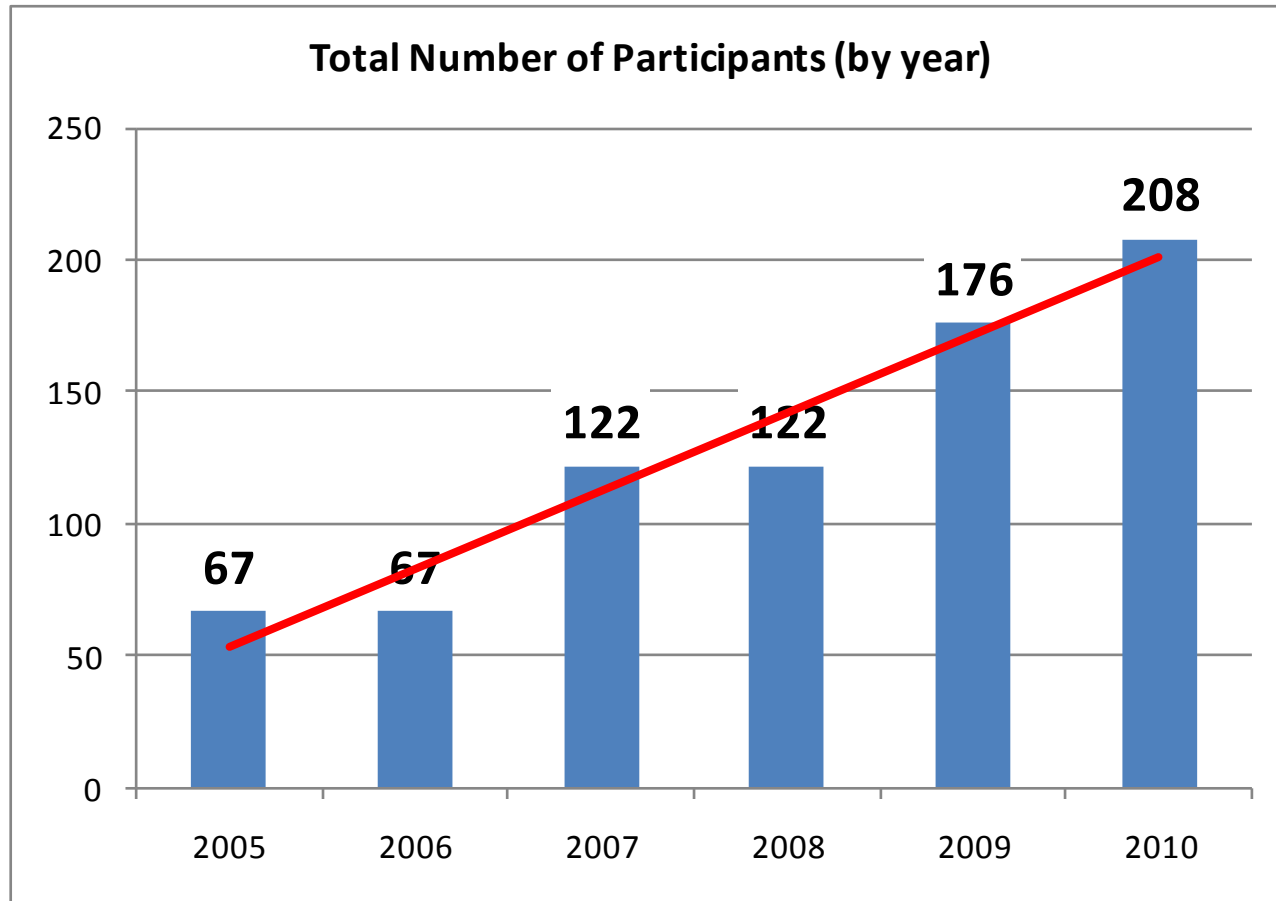


Adelaide

RPDE Activities 2004 – June 2011



RPDE Participant Base 2005 - 2010



- **366 Unique FIP products registered**
- **681 requests from Defence and Industry for
1464 IP products (63% requests from industry)**
- **26% of Participants indicate they have used
RPDE FIP to redirect their R&D effort or focus**

Task 23 (Electronic Support Measures Interference Remediation)

- 3 staged solutions
- Final outcome was 16-fold increase in throughput
- Engagement with DSTO



Task 23: Navy Gold Group Commendation

- Presented to RPDE by Chief of Navy
- DSTO also awarded a Commendation



RPDE: What our sponsors said about us in 2011

“The outcome will provide the benefit we needed” - Brig. Wayne Budd, Sponsor, Explosive Ordnance Data Logger Task

“We would be 12-18 months behind if we hadn't come to RPDE. RPDE provided an independent assessment supported by industry, one which helps provide a credible business case and framework for modernising aviation technical aids at RAAF School of Technical Training” – Group Captain Chris Crowley, Sponsor, Virtual Aircraft Maintenance Trainer Quicklook

“People said it couldn't be done within the timeframe. The Task is getting high accolades” – Group Captain Stephen Longbottom, Sponsor, Air Combat Officer Training Task

“I would be happy to use RPDE in the future. RPDE provides a neutral facility” – Graham King, CIOG, Sponsor, Domain eBusiness Integration Infrastructure Quicklook

Current Activities

■ Tasks

- T31: Task Group Mine Counter Measures
- T33: EOD Data Logger
- T36: JP2096 Defence Integrated ISR Backbone
- T38: Strategic Common Picture
- T39: AIR5077 Ph3 Integrating IP Chat on 'Wedgetail'
- T40: Submarine Information Management

■ Quicklooks

- QL66: ADF Joint Health Materiel Management
- QL69: Hyper-spectral Imaging Technology Options
- QL70: Combined Arms Fighting System Integration Capability
- QL71: AIR5077 Ph4 Accelerated Upgrade Program for Wedgetail
- QL72: Software Defined Radio Development and Support
- QL73: Multi-Level Security Considerations and Solutions for a National Air Traffic Management System
- QL74: Acoustic Application

□ Feedback from Participants

- Access to key Defence decision makers
- Access to IP generated within RPDE
- Showcase skills and IP to Defence
- Safe environment to showcase skills and IP to other Participants
- Establish relationships with other Participants
- Staff development
- Insights to Defence capability directions