

CSIRO - 6 Years of Agility

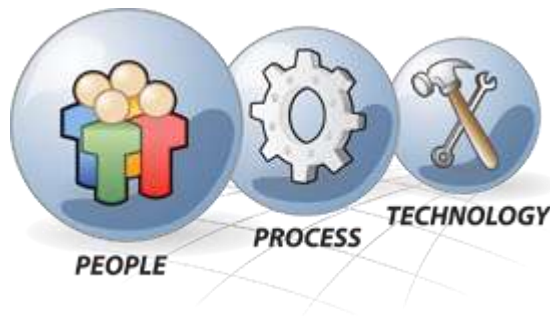
Linda Brunker | Functional Test Analyst
15 April 2014

IM&T (INFORMATION MANAGEMENT AND TECHNOLOGY)
www.csiro.au



Introduction

- All about Me!
- CSIRO
- IM&T
- In the Beginning....
- Our Agile
- Agile beyond Applications



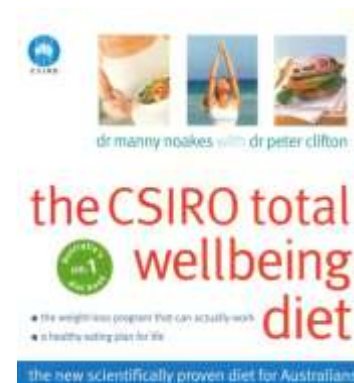
Me !

- Career History
 - BC – Before CSIRO
 - Libraries
 - IT
 - CSIRO
 - Libraries
 - IT



CSIRO

- Australia's national research organisation
- Over more than 50 sites across Australia
- Under 6,000 staff
- Work with existing Australian industries
- Over 80 new commercial licenses each year



IM&T

- Information Management & Technology
- Enterprise function
- Support science and corporate enterprises
- Software Services
 - Business Analysis
 - .Net and Java development
 - Collaboration services
 - Functional and Technical Testing



Self Service
IT



IM&T Learning
Hub



About IM&T
Procedures,
Plans, Reports



Library
Services



IM&T
Support



New Starters



IT Security



eResearch
Services



Services
Catalogue



Products
Catalogue



Contact
IM&T



ServiceCentre



In the Beginning....

- February 2008
- First Application – SITS
 - Completed in 3 months
- Methodology
 - Scrum
- Tools
 - Butchers paper
 - Post-it Notes



Staff International Travel System



Software Services

- Distributed teams
 - ACT, NSW, Qld, SA, Vic
- Agile since 2008
 - My introduction to Agile
- Tools
 - Atlassian's Jira
 - Task Board
 - Defect tracking
 - Test management
 - Cisco MeetingPlace



Our Agile - People

- Product owner
- Scrum master
- Team
 - Project manager
 - Business analyst
 - Developers
 - Testers
 - Users



Our Agile - Planning

- Backlog selection
 - Product Owner
 - Team
- Spreadsheet
- Meeting

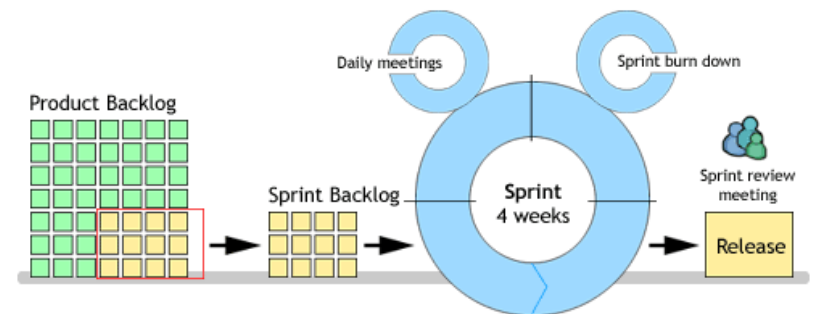
| | A | B | C | D | E | F |
|----|--------------|--------|------|--------|------------|----|
| 1 | Sprint start | 17-Oct | | | | |
| 2 | Sprint end | 6-Nov | | | | |
| 3 | Sprint days | 15 | | | | |
| 4 | | | | | | |
| 5 | | Avail | Days | Points | | |
| 6 | Vivek | 0.8 | 15 | 12 | | |
| 7 | Xiangtan | 0.8 | 15 | 12 | | |
| 8 | | | | | Dev Total | 24 |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | Linda | 0.8 | 15 | 12 | | |
| 12 | | | | | Test Total | 12 |
| 13 | | | | | | |

| A | B | C | D | E | F | G | H | I | Comr |
|----|---|-------------------------|------------|----------|---------|-------------|----------|--------------|------|
| | C3 2013 AAF Sprint | | Dev | | | Test | | | |
| | Story | Story No | Vivek | Xiangtan | Dev Avg | Linda | Test Avg | Total (days) | |
| 10 | Implement AAF Authentication on C3 | CCC-839 | | | 0.00 | | 0.00 | 0.00 | |
| 20 | duplicate drops in batchload wizard cause bizarre behaviour | CCC-829 | | | 0.00 | | 0.00 | 0.00 | |
| 30 | extend the functionality of Sequence History | CCC-834 | | | 0.00 | | 0.00 | 0.00 | |
| 40 | Sample checkout doesn't work for TS samples | CCC-835 | | | 0.00 | | 0.00 | 0.00 | |
| | | | | | | | | | |
| | | | | | | | | | |
| 0 | Bug Fixes/Rework | | | | 2 | | 1 | 3 | |
| 1 | Regression ? after the 15 days | | | | | | 2 | 2 | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | Total | | | 2.00 | | 3.00 | 5.00 | |
| 4 | | Time Avail | | | 24.00 | | 12.00 | 36.00 | |
| 5 | | Remainder | | | 22.00 | | 9.00 | 31.00 | |
| 5 | | | | | | | | | |



Our Agile - Process

- Daily Stand-up
 - 15 minutes
 - What did I do yesterday, What will I do today, Any blockers?
- Testing
- Sprint Review
 - Demonstration
- Retrospective
 - The Good, The Bad and The Ugly
- Release



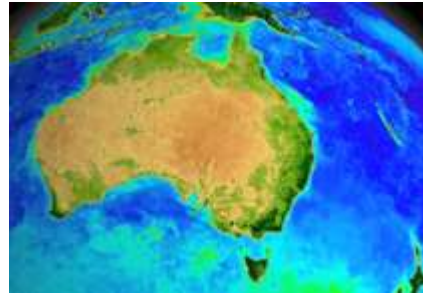
Our Agile - Technology

- Collaboration
 - Jira, Meeting Place, Confluence, Sharepoint
- Business Analysts
 - Enterprise Architect, Visio, Balsamiq
- Developers
 - Subversion, Tortoise, FishEye, Crucible, Jenkins, Eclipse, PuTTY...
- Testers
 - QFTest, Jira, LoadRunner



Agile Beyond Applications

- IM&T
 - Libraries
 - IT Security
 - Backups & Recovery
- Individuals
- CSIRO Divisions
 - CESRE – Earth Sciences and Resource Engineering
 - CMIS – Mathematics Informatics and Statistics
 - ASC – Advanced Scientific Computing



Thank you

IM&T/Software Services

Linda Brunker

Functional Test Analyst

t +61 8 8303 8509

e linda.brunker@csiro.au

INFORMATION MANAGEMENT & TECHNOLOGY

www.csiro.au

