



Agile Development Methodologies

*Antidote to Bureaucracy or
a Licence to Hack?*

Richard Thomas



Agile Characteristics

- **Communication**
- **Collaboration**
- **Responding to Change**
- **Frequent Delivery**
 - of working software
- **<http://agilemanifesto.org/>**



What Agile Requires

- **Developers being flexible**
- **Business experts committing to project**
- **Solving current business problems**
- **Disciplined development**
- **Trust**



Agile Team

- **Developers and client representatives**
- **Motivated**
- **Respect each other**
- **Aware of capabilities and limitations**
- **Hands-on management**
 - **but not a strangle-hold**



Agile Methodologies

- **eXtreme Programming**
- **Crystal Methods**
- **SCRUM**
- **Adaptive Software Development**
- **Too many to enumerate ...**
- **Feature Driven Development**
- **Dynamic Systems Development Method**
- **Agile Modelling**



Becoming Agile

- **A major change**
- **Must be led by senior management**
- **Sell it to non-believers**
 - **developers**
 - **management**
 - **business experts**



Becoming Agile

- **Train staff**
 - don't just buy them a book
- **Give it time**
- **Know what to expect**



Real World Software Process

- **Well defined**
- **Explicitly iterative and incremental**
- **Tutorial support**
- **Targeted audience**
- **<http://www.fit.qut.edu.au/~rwsp/>**



Local Experience

- **Brisbane XP**
 - <http://groups.google.com/group/Brisbane-XP>
- **Agile SIG**
 - ???



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