



Trends in Agile Development

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Development Trends

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↑ Deployments

↑ Tests

↓ Co-location

↑ Complexity

↕ Scale

Business Trends



- Accountability
 - Oregon Health Sciences University publishes death rates for major operations—
www.OHSUhealth.com/Quality_Service
- Responsibility
 - Mitsubishi, Hyundai, and Kia offer 10-year, 100,000 mile warranties on their cars
- Transparency
- Relationships
 - Keeping customers is cheaper than getting customers

Demand Trends

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- Accountable partners
 - Effective software
 - Reliable software
 - When promised
 - Reasonable price

Social Evolution



- Historically
 - High pay
 - No deadlines
 - “Wizard” status
 - Excused for socially inappropriate behavior
- New generation of Business Professionals
 - Grew up with technology—no longer mystical
 - Trustworthy behavior expected
 - Belief in the value of relationships

Trends lead to Opportunity



- Be realistically valuable to our:
 - Teams
 - Companies
 - Communities
- Balance
 - Being honest about what we can do frees us to work
- Sustainable
 - Based on reality
- Build business relationships

Relationships



- Productive business relationships
 - Trustworthy
 - Responsible
 - Accountable
- Less Waste from
 - Hiding
 - “Spin”
 - Worrying
- Benefits
 - Increased confidence in your business partners
 - Increased collaboration and creativity
 - Increased opportunities
 - An interesting life outside of work (American value)

Agile Development



- Fortuitous Synergy
 - Business trend towards accountable business practice
 - Agile development
- Agile developers have techniques for:
 - Estimation/commitment
 - Listening and responding to customers
 - Producing reliable software

Who is Getting Agile?



- Large and small companies
- Large and small teams
- Product development and internal development
- Regulated industries and startups
- Governments and industry
- Agile 200x conference growing 40%/year
 - Not just programmers

Why Agile Development?

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- Relationship
- Reliability
- Low cost of change
- Increased return on investment

Key Skills

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- Social skills
 - Listening
 - Teamwork and teambuilding
 - Appreciative attitude
 - Emotional intelligence
 - Integrity
- Technical skills
 - Incremental design
 - Automated testing
 - Self education

Next Steps



- What does your team do well?
- How could you use agile techniques to enhance your strengths?

Resources



- www.threeriversinstitute.org, article on Getting Started with XP
- *Being Agile* course
- Dale Emery's web site, www.dhemery.com
- *Extreme Programming Explained, 2nd Edition*
- *Implementation Patterns*
- *Test-Driven Development: By Example*
- Mailing lists—<http://groups.yahoo.com/group/extremeprogramming>