

Using Agile Methods to Improve Efficiency in Requirements Engineering

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To show that by learning from the Agile Manifesto, in particular the two main principles, respectful treatment of people, and dealing flexibly with changes i.e.

- individuals and interactions over processes and tools
- responding to change over following a plan

we see:

- agreeing responsibility with small teams made individuals and interactions more important than blindly following a process

and

- responding to change is easier with small teams and fewer requirements.

We are uncovering better ways of developing software by doing it and helping others do it.
Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

Kent Beck
Mike Beedle
Arie van Bennekum
Alistair Cockburn
Ward Cunningham
Martin Fowler

James Grenning
Jim Highsmith
Andrew Hunt
Ron Jeffries
Jon Kern
Brian Marick

Robert C. Martin
Steve Mellor
Ken Schwaber
Jeff Sutherland
Dave Thomas

Source: <http://agilemanifesto.org/>

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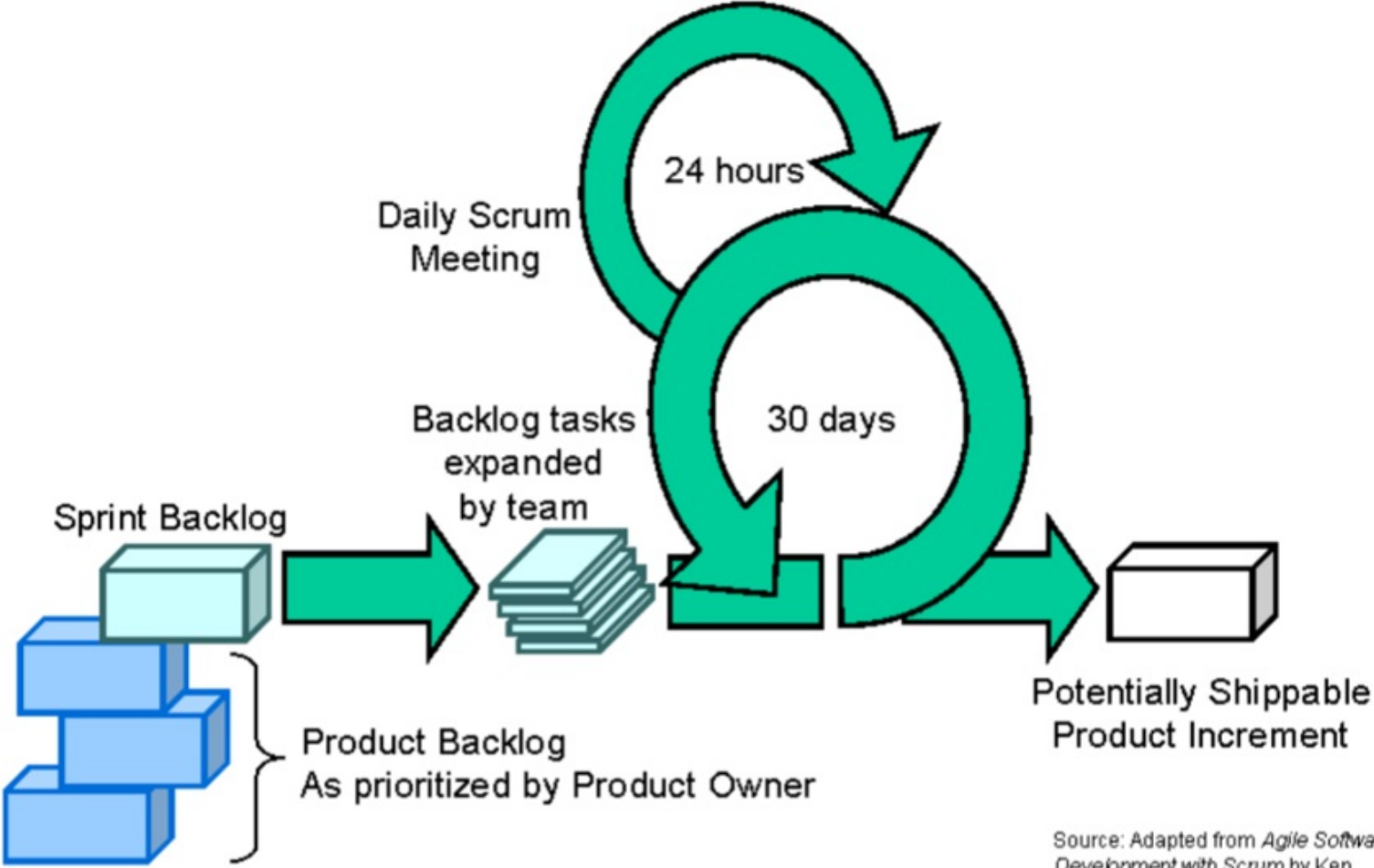
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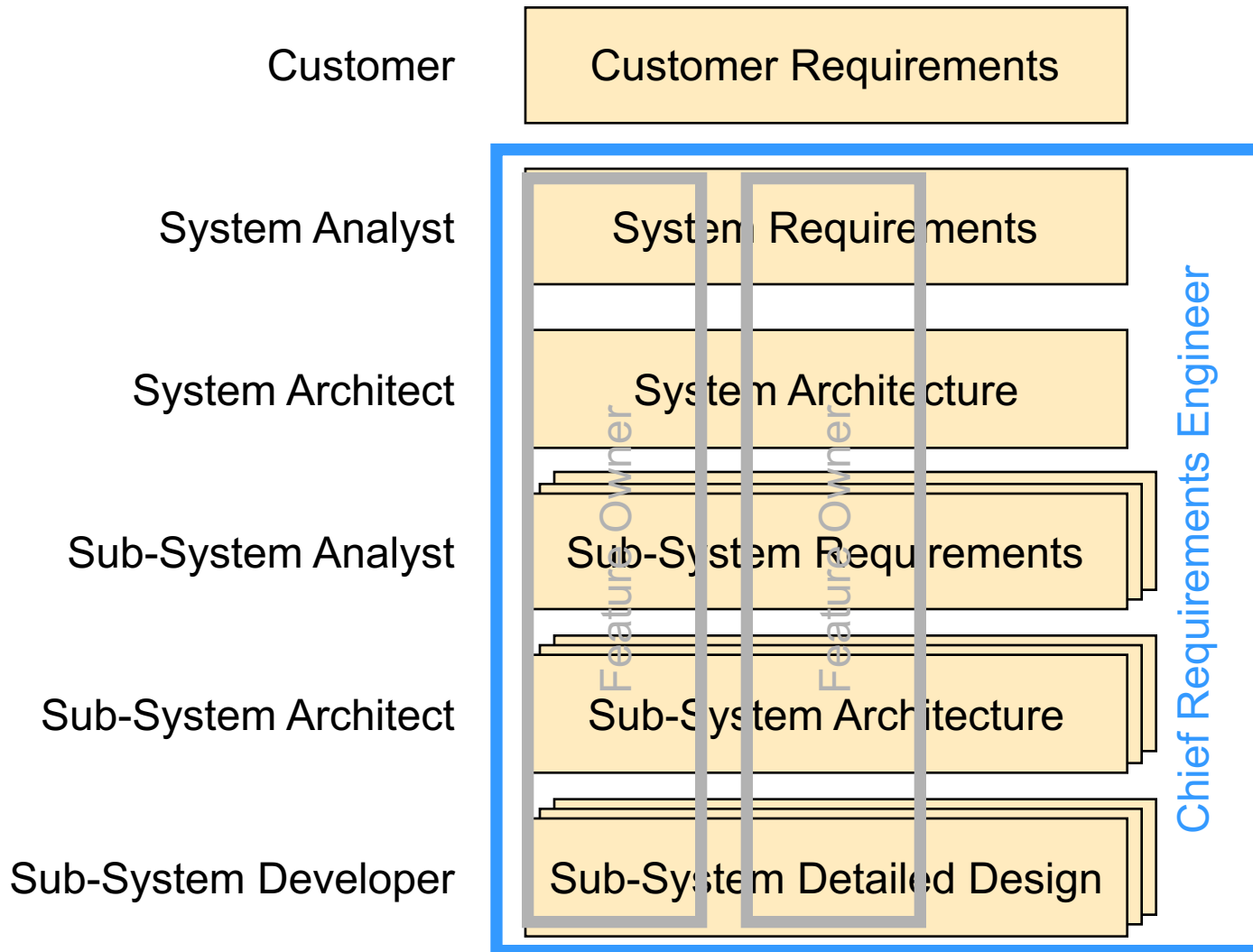
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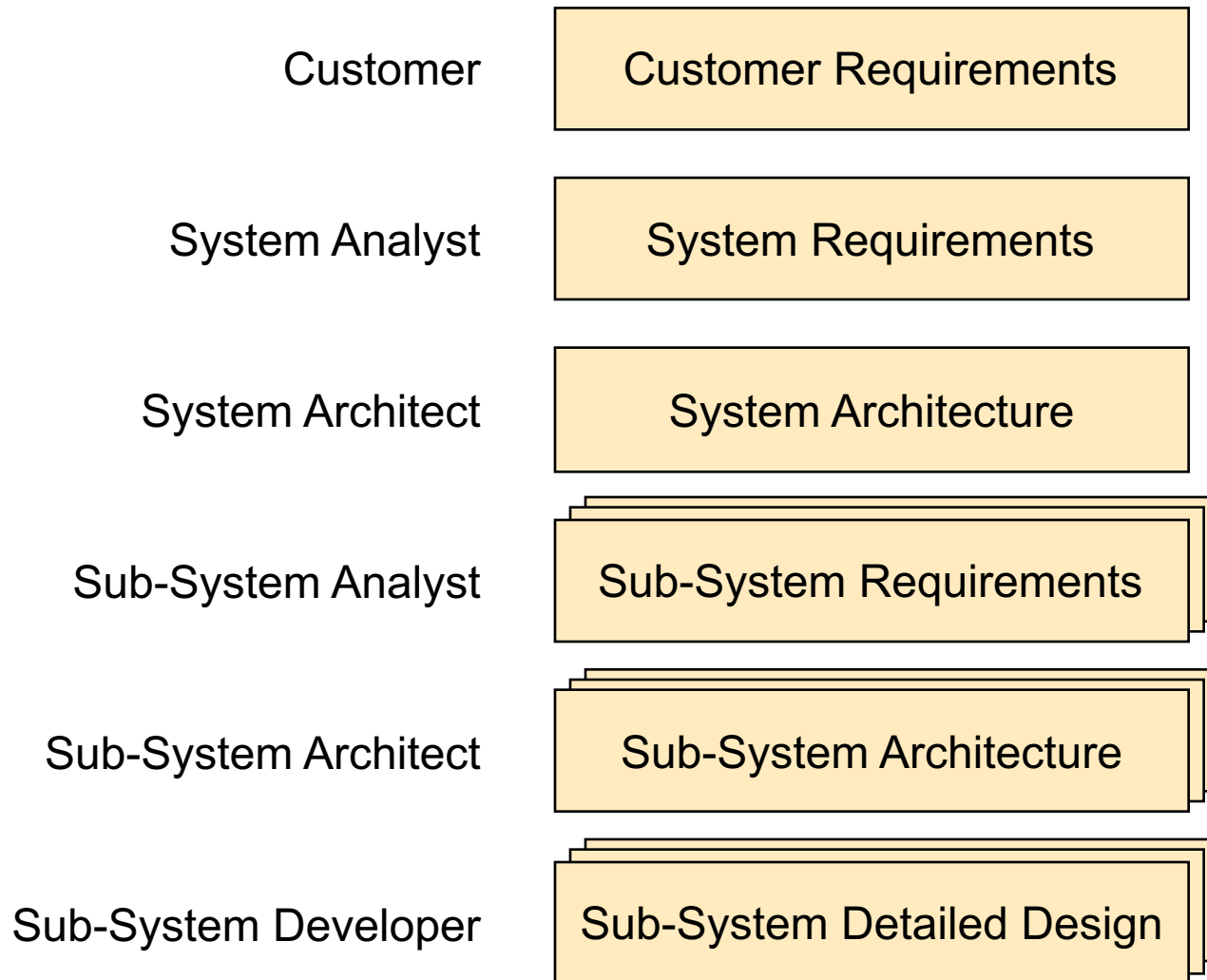
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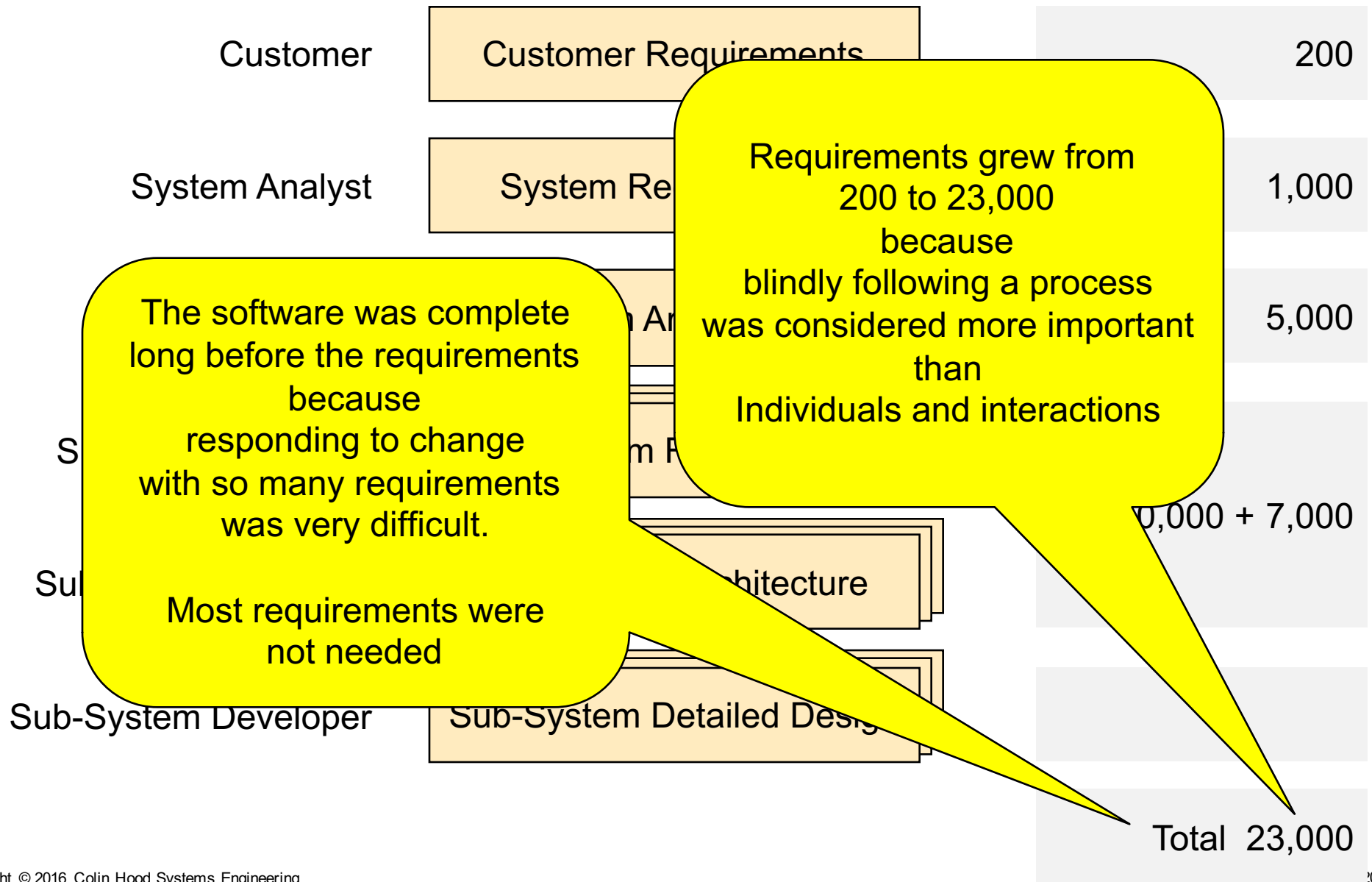


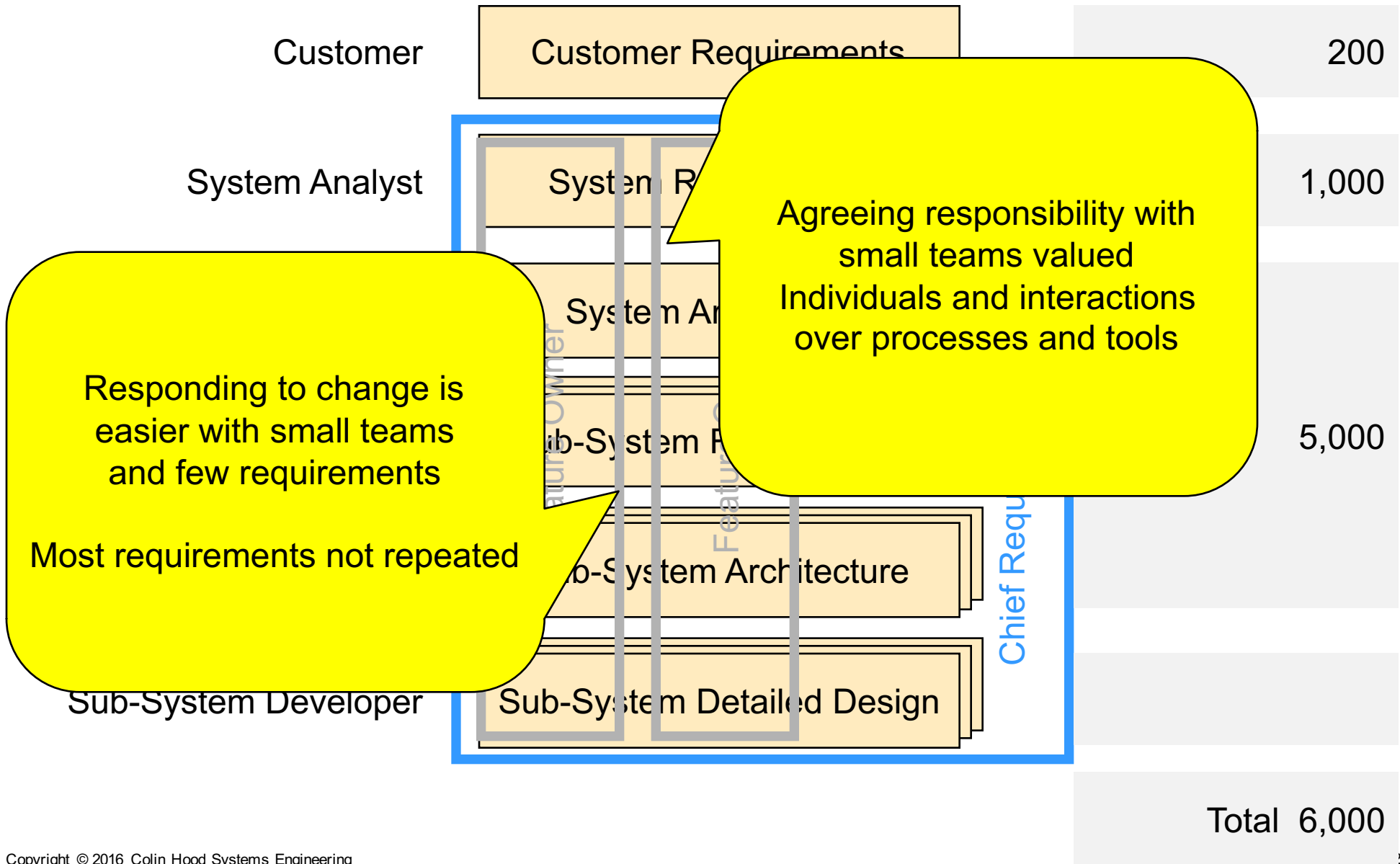
Source: Adapted from *Agile Software Development with Scrum* by Ken Schwaber and Mike Beedle.
www.methodsandtools.com



Unless someone is responsible for satisfying customer requirements, no-one is responsible for satisfying customer requirements







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we see:

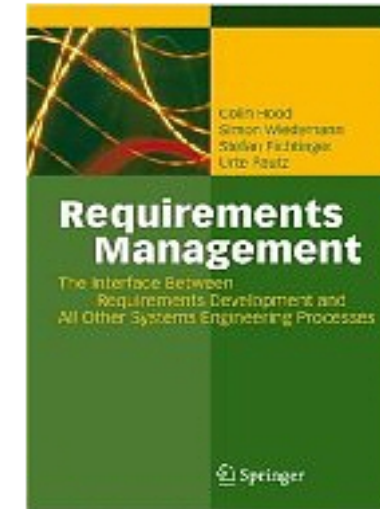
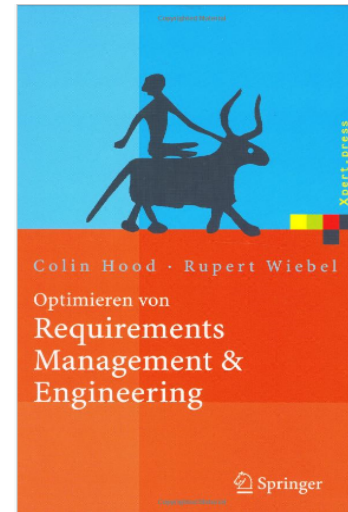
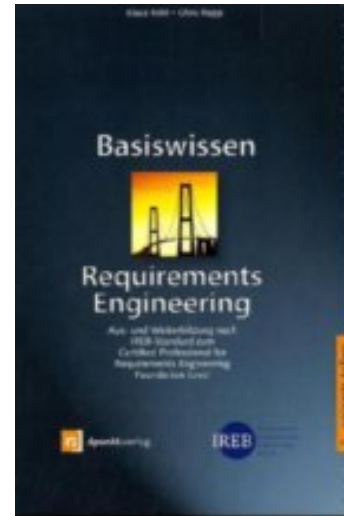
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Responding to change is easier with small teams and few requirements

Agreeing responsibility with small teams valued individuals and interactions over processes and tools

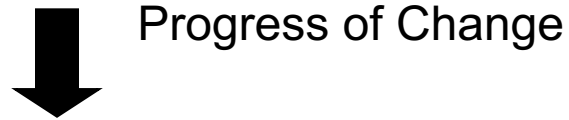


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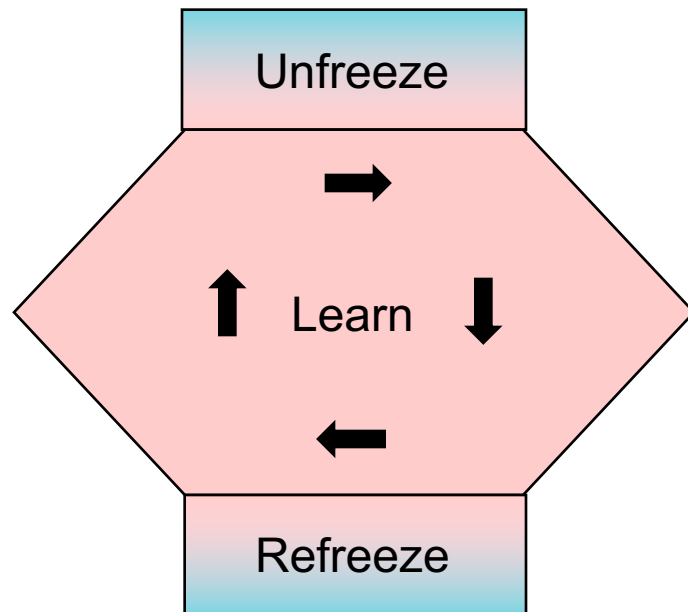
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Founding Member of IREB 2006
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- _____ Lack of discomfort with current, fear of the new.
- _____ Ignore information that does not fit in with past.
- _____ Lack of psychological security with the change, fear of loss of identity or status.



- For successful change we must:
1. Overcome barriers to change
 2. Communicate benefits to change
 3. Support a learning environment
 4. Embedd the new way of working

Source: Colin Hood 1987 based on work by Shein and Lewin