



# **Stop Thinking About Requirements Quality**

Focus on Value

Joy Beatty, CBAP® Vice President of Research and Development Seilevel

**Role:** Develop new elicitation and modeling methodologies, build business analysis centers of excellence, train industry BAs, work on projects as a Business Architect



#### **Community contributions:**

- Member of the IIBA BABOK v3 Core Team
- Industry PC for IEEE Requirements Engineering
- Co-chair for Requirements Engineering Education and Training Workshop
- Previous IIBA® Austin Chapter VP of Education
- · IREB team member

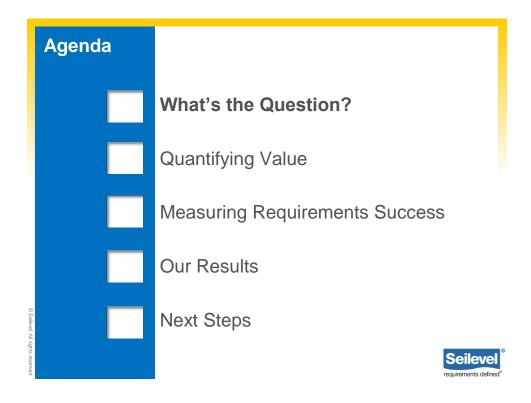
#### Co-Author:

- Visual Models for Software Requirements with Anthony Chen
- Software Requirements, 3rd Ed. with Karl Wiegers



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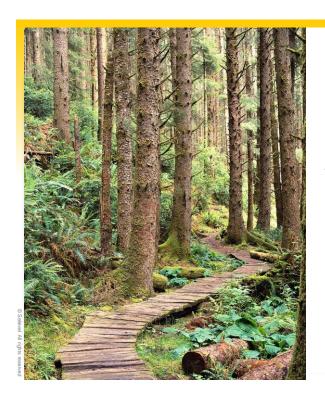
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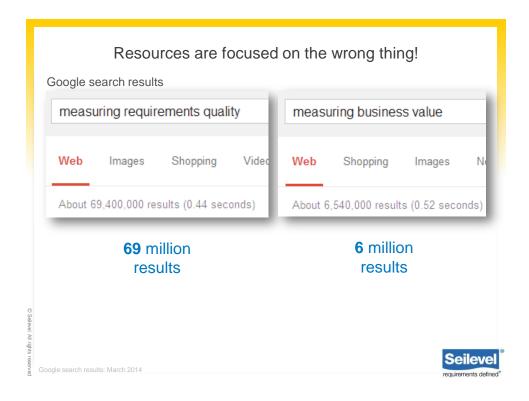
Measuring R	Requirements Quality	
□ Well written? □ Complete? □ Atomic? □ Testable? □ No ambigue under words?	□ Pass the quality checker? □ Glossary clear? □ Unique identifiers □ Consistent	
□ Validated? □ Verified?		Seilevel requirements defined



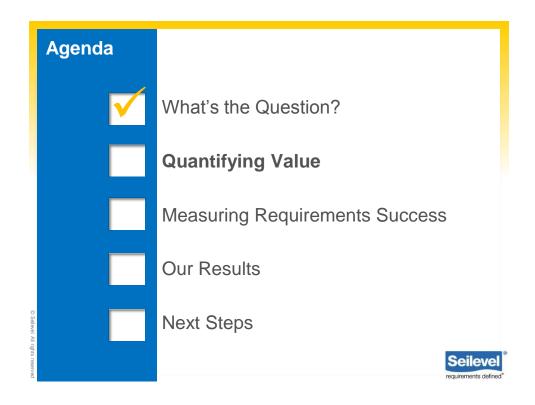


Requirements:
A means to an end











### **Business Objectives**

Business benefit that an organization expects to receive

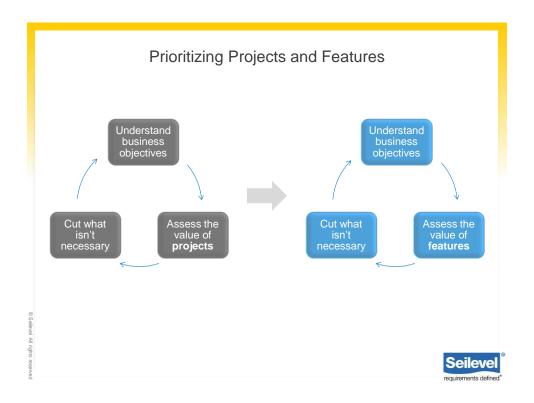
Increase revenue or cut costs

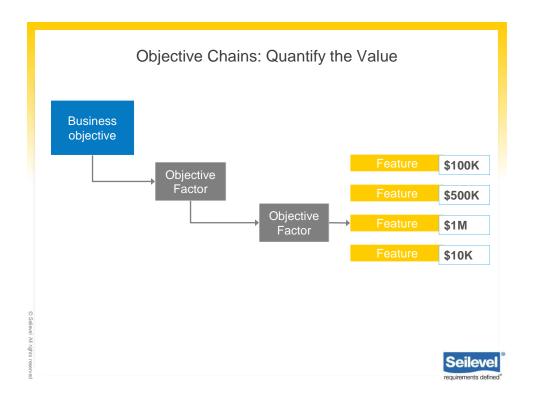


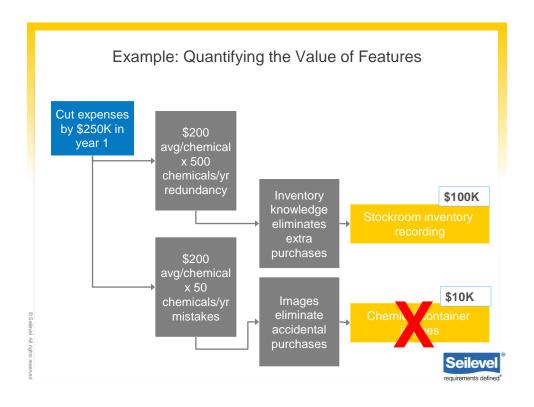
# **Example**Reduce chemical

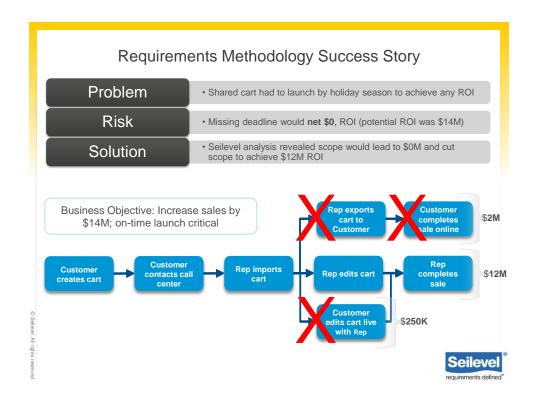
purchasing expenses from 1M to 750K in the first year



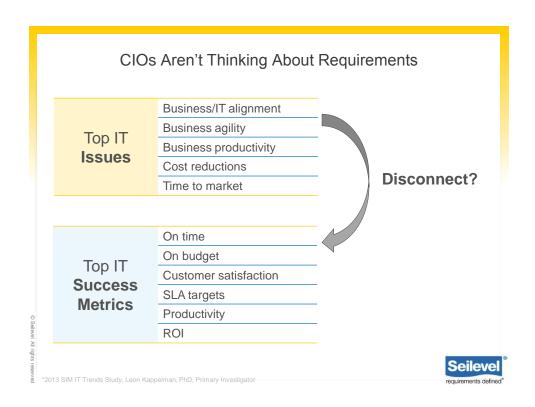




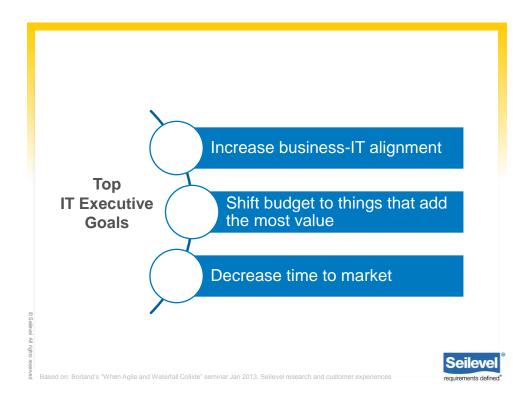


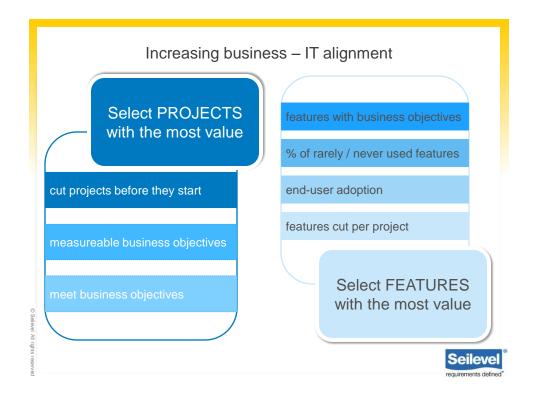


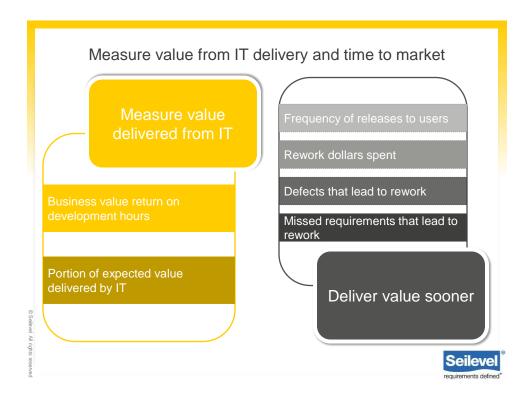




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Interim Metrics for Fewer Missed Requirements

Number of missed requirements\*

Number of requirements models used\*

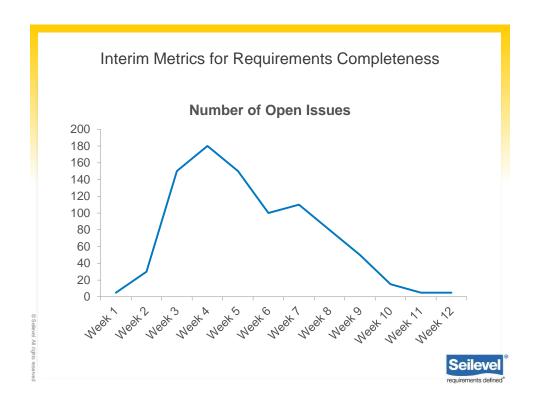
Percent of requirements mapped to models

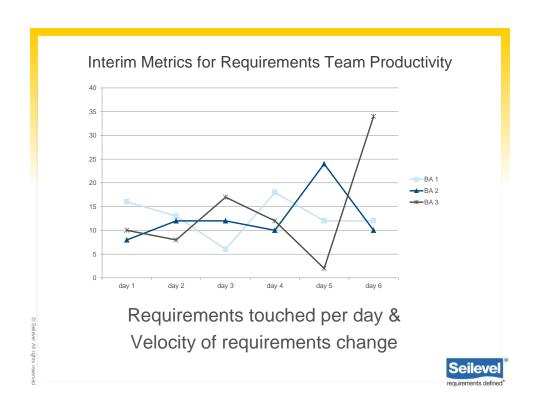
Number of requirements changes after developed\*

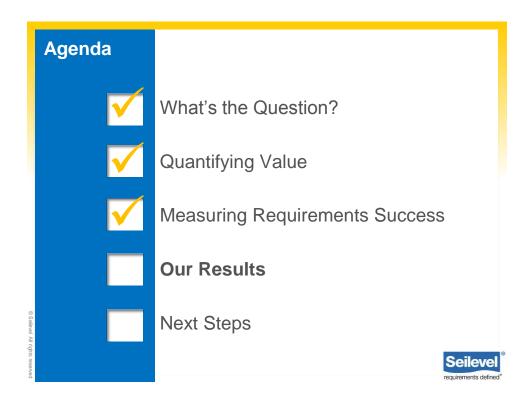


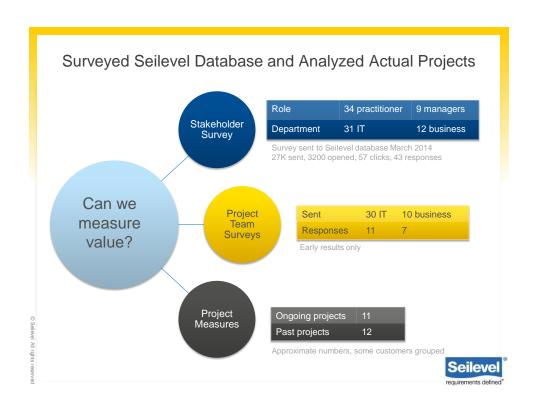
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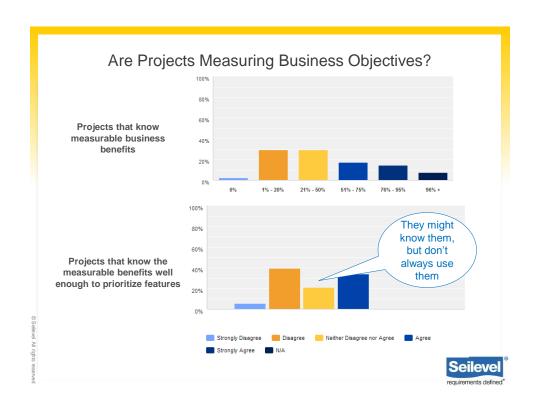
<sup>\*</sup> Measured relative to project size

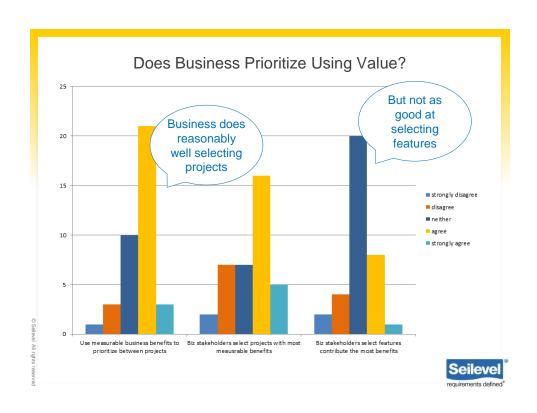


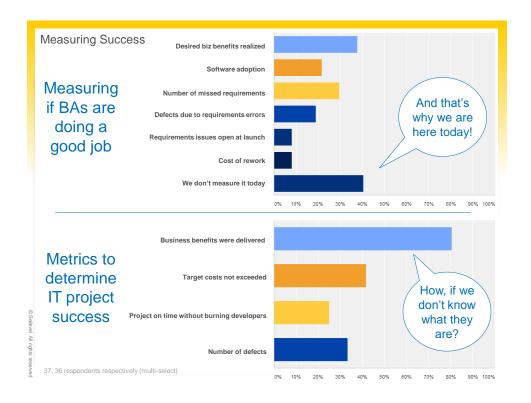


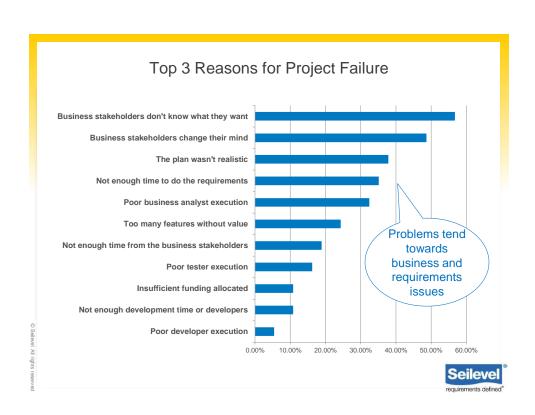




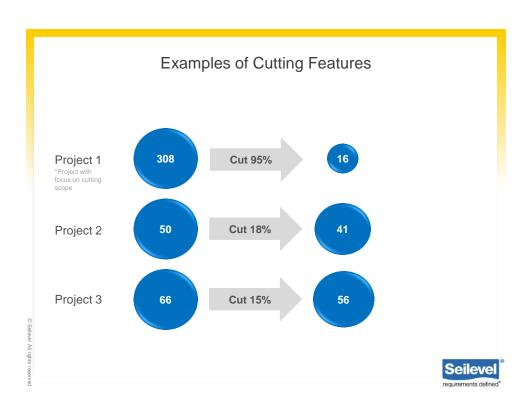


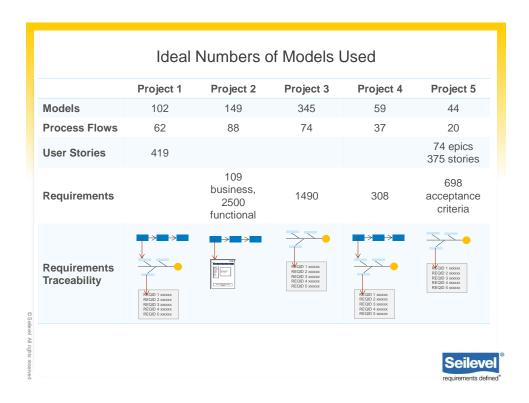


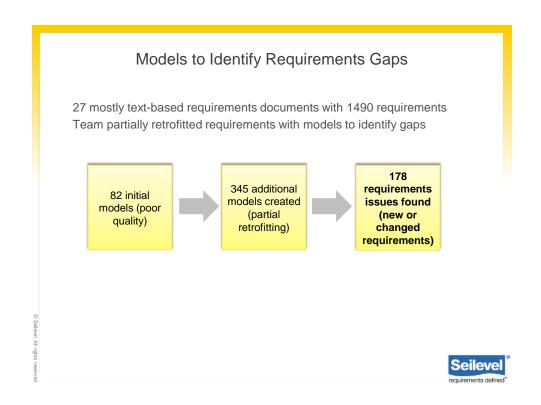


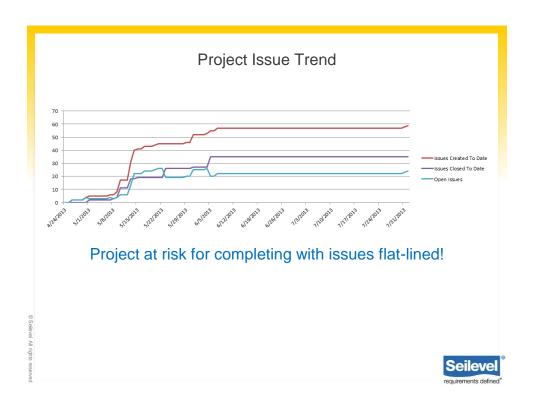


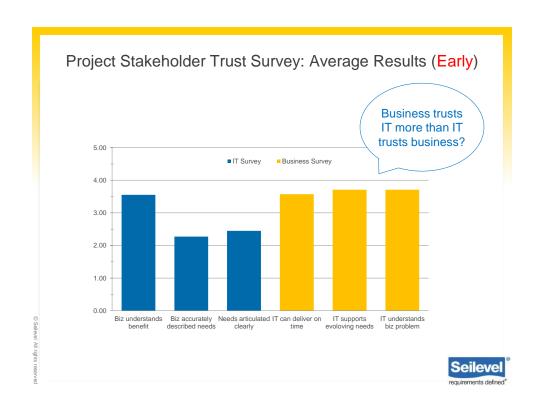




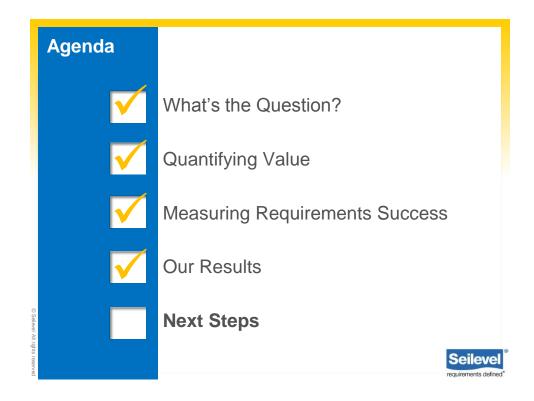


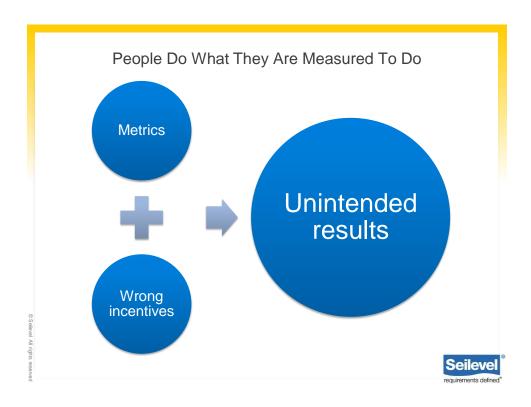


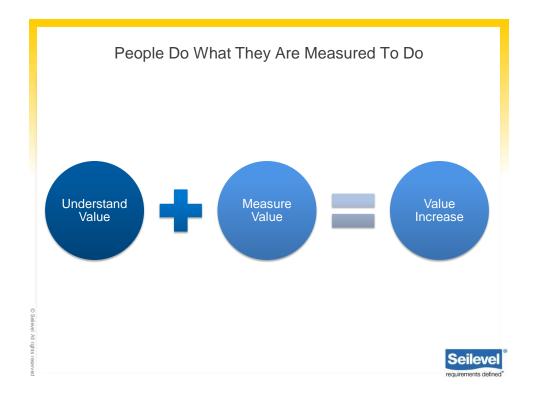












### Challenges

- ! Can't measure until projects are over (and teams are gone)
- ! Data doesn't exist today
- ! Measuring takes extra time
- ! People don't want to be held accountable for actual results

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#### Read More







- Software Requirements, 3<sup>rd</sup> Edition (Wiegers and Beatty 2013)
- Visual Models for Software Requirements (Beatty and Chen 2012)
- Business Objective Chains White Paper www.seilevel.com



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