

















From the McManus study...

Number of IS projects examined within European Union

Rank	Sector	No. of projects examined
1	Manufacturing	43
2	Retail	36
3	Financial services	33
4	Transport	27
5	Health	18
6	Education	17
7	Defence	13
8	Construction	12
9	Logistics	9
10	Agriculture	6
Total		214

From the McManus study...

Value range in millions (€)	Number of projects	Percentage (%)	Accumulative (%)
0 – 1	51	23.831	23.831
1-2	20	9.346	33.177
2 - 3	11	5.140	38.317
3 - 5	33	15.421	53.738
5 - 10	4	1.869	55.607
10 - 20	87	40.654	96.261
20 - 50	6	2.804	99.065
50 - 80	2	0.935	100.000
Totals	214	100.00	100.00

	the Mcl		tudy
Waterfall method lifecycle stage	Number of projects cancelled	Number of projects completed	Number of projects overrun (schedule and/or cost)
Feasibility	None	214	None
Requirements analysis	3	211	None
Design	28	183	32
Code	15	168	57
Testing	4	164	57
Implementation	1	163	69
Handover	None	163	69
Percentages	23.8%	76.2%	



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From the McManus study...

Project completions, cancellations and overruns

Waterfall method lifecycle stage	Number of projects cancelled	Number of projects completed	Number of projects overrun (schedule None?! cost) for a politica
Feasibility	None	214	None task?
Requirements analysis	3	211	None
Design	28	183	32 What do
Code	15	168	57 we mean by
Testing	4	164	57 "Done"?
Implementation	1	163	69
Handover	None	163	69
Percentages	23.8%	76.2%	

BA Commitment Difficulties

- * There is no definition of "done"
- * Requirements development is a political task
 - * Building consensus is the key
 - * Estimating how much effort or time is required is difficult
- Business Analysts and Project Managers have different scopes of interest
- * Estimating budget and schedule requires understanding the organization's capacity

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When are the Requirements Done?

- * When we run out of time?
- * When the template has been filled?
- * When all the items in the checklist have been documented?
- * When we have contacted all the stakeholder groups?
- * When the requirements are approved?
- * When the remaining risk level is acceptable?
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"My early metri	cs book, Controlling Software Projects: Man-
, , , , , , , , , , , , , , , , , , ,	ment, and Estimation (Prentice Hall/Yourdon
0	ed a role in the way many budding software
	fied work and planned their projects. In my
· ·	I'm wondering, was its advice correct at the
	evant, and do I still believe that metrics are a
	accessful software development effort? My
answers are no, no	1
"Why on earth ar	e we doing so many projects that deliver such
ing on carara	marginal value?"
	0
	–Tom Demarco
	(IEEE Software, July/Aug 2009, p 95)
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What's missing?

- Gilb: focus on business and stakeholder value
- Boehm:
 - * life-cycle objectives (scope, quality attributes)
 - * life-cycle architecture (not a BA concern)
 - * initial capability objectives (what to do first)
- * Our lesson today:
 - * Focus on the quality of service attributes first!

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	"Attributes determine solutions."		
	—Tom Gilb		
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- if necessary, use multi-dimensional metrics
- Set two targets to define ranges
 - * minimum
 - * goal
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Summary

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- * Substance, not merely form
- * Stop doing what doesn't work
- * Estimating business analysis is hard; manage the risk
 - * multiple estimates, iterative life-cycles, focus on value
- * Consider business and stakeholder value and risks
- * Get consensus about the solution attributes (quality attributes) early
- * define them quantitatively (assess metrics carefully)
- * Keep seeking out valuable ideas from past experience

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Questions?	38
Thank you for being here tonight.	
This presentation is available at <u>www.dekoning.ca/iiba</u>	
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