

ISBSG data in Industry

Present and Future

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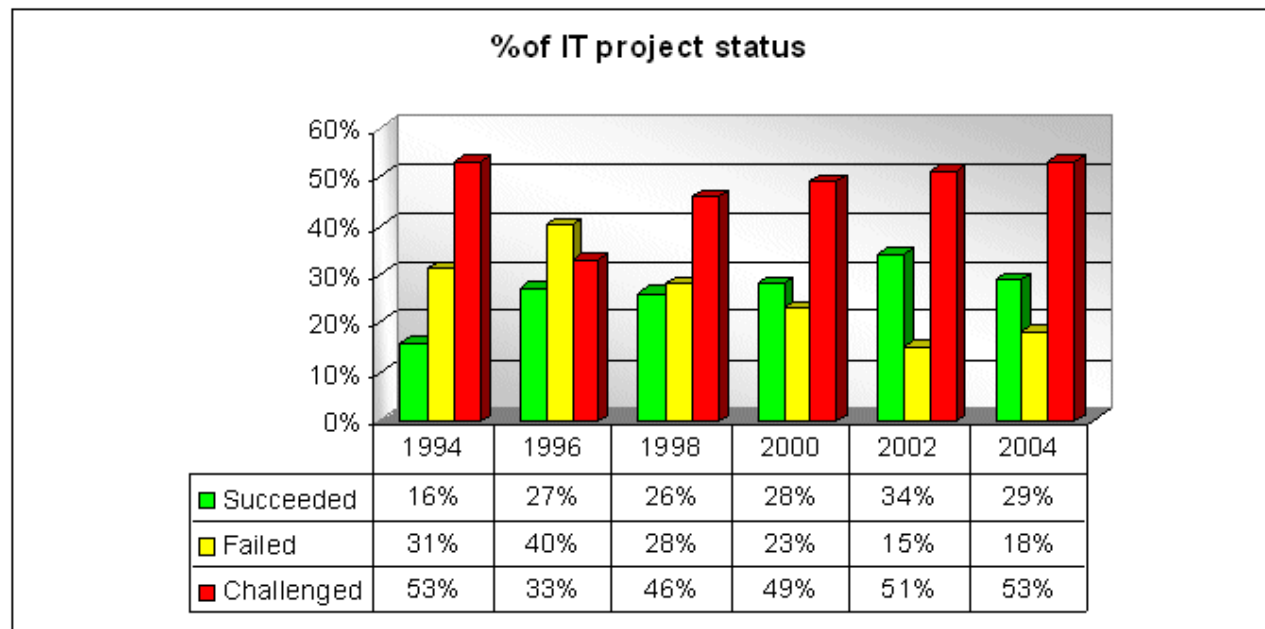


Do you like to live dangerously?



The good news

Only **29%** of IT-projects 2004
within time and budget (Chaos Report)



Source: Standish Group – Chaos Report



Six most common causes

- Lack of user involvement
- Incomplete requirements
- Changing requirements
- Lack of executive support
- Developer incompetence
- Unrealistic expectations

POOR ESTIMATES



Impact of poor estimates

- Missed delivery dates
Loss of business / position
- Failing projects
Resources wasted
- Cancelled projects
Money spent, resources wasted - no business value
- Business case
[for IT investment] Invalidated



Trends in IT Services – Customer View

- IT should be beneficial to business
- The organisation should focus on core business
 - IT Risk to supplier / IT Risk shared with supplier
 - (Out)Sourcing
- Cost reduction
 - Value for money
 - Transparent proposal
- Standardisation
 - Packages
 - Process
- Customer Satisfaction
 - On time, on budget with the agreed functionality AND quality



Trends in IT Services – Supplier View

- IT services should be profitable
- The organisation should be compelling
 - Prepared to take / to share the customer risks
 - Profiling as an (Out)Sourcing partner / party
- Cost effective
 - Value for money
 - Competitive proposal
- Standardisation
 - Process & Procedures (Factory)
 - Risk Management
- Customer Satisfaction
 - On time, on budget with the agreed functionality AND quality



The solution !!!

The customer should ask for a contract based on a price per unit.

The supplier should offer contracts based on a price per unit.
This requires

- Functional “excellence”.
- Good estimates / right expectations.
- International accepted units.
- Historical data.
- Benchmark standards.



Functional Excellence

Provide the necessary processes, standards and tools such that the IT Function can deliver projects on time, within budget and to business expectations consistently and in a sustainable manner in a multi-source environment.

Create an organisational capability which will be deemed (top quartile) in Project Delivery by external benchmarks.



Need for an Estimation Process

- Consistency
 - Controllability
 - Common language
- Transparency
 - Understanding the impact of cost drivers
- Objectivity
 - Fact based, not 'intuition' based
 - Models, methods
 - Historical database, benchmark



Models

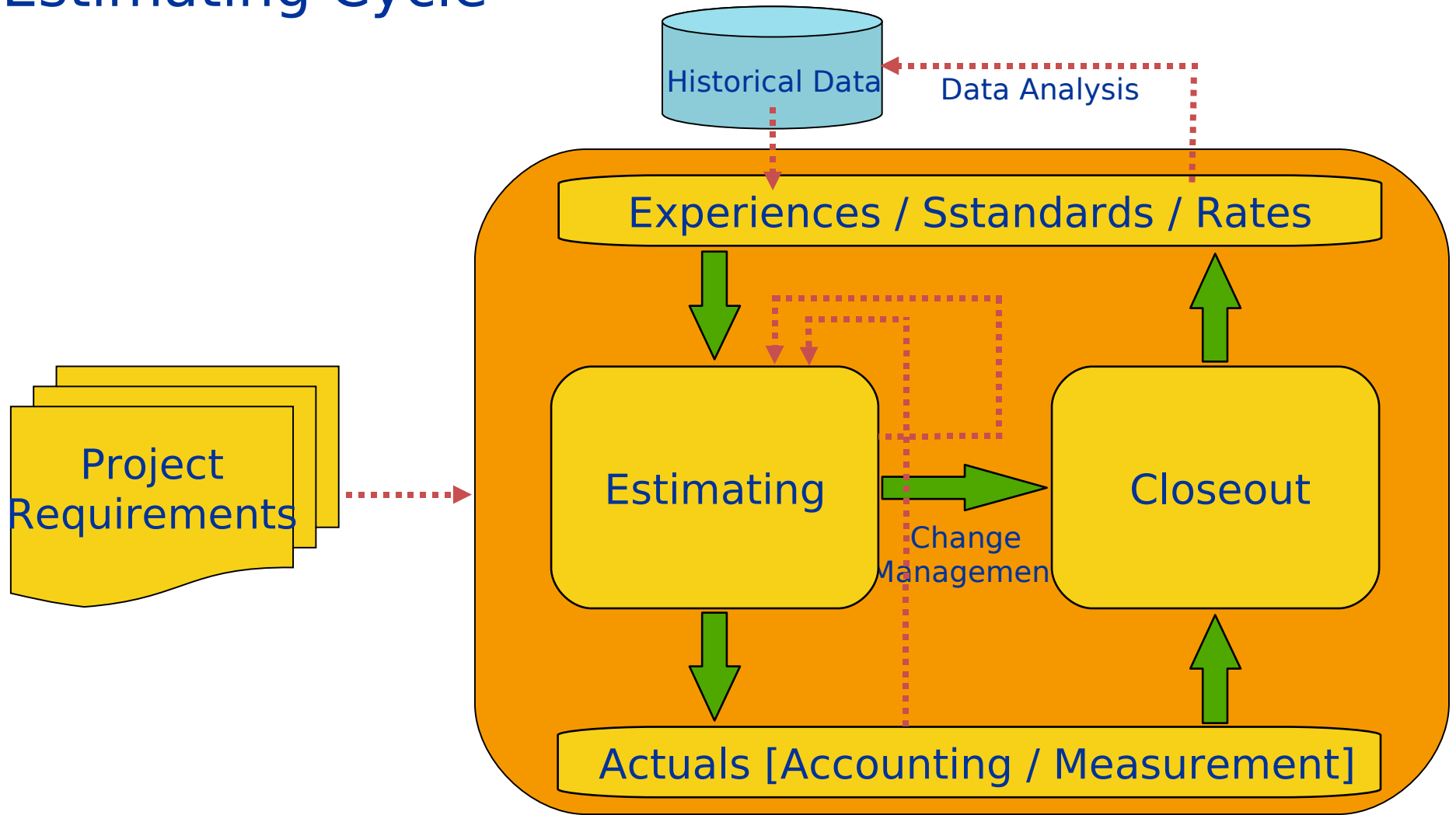
Models are not the “end-game”, no “silver bullet”

but can help create a common language

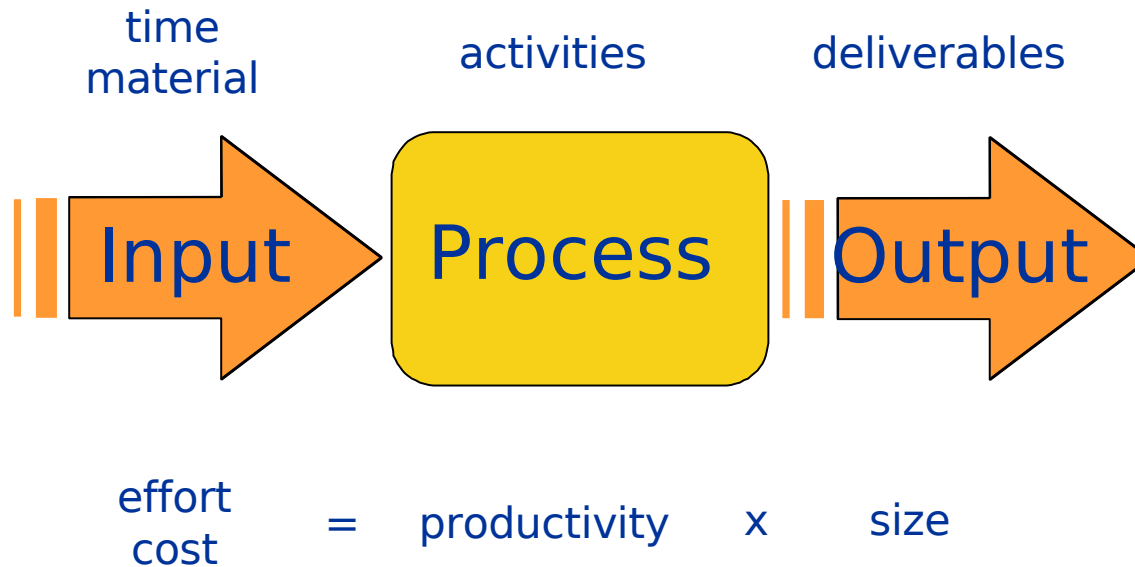
- They are only a starting point for discussions on various elements of application support cost management
- They should be refreshed for benchmarks, newly available measurement data, and pragmatic considerations
- Models serve as a platform on a healthy exchange of ideas on the impact of cost drivers
- They also serve as a tool to set the cost expectations on the demand side



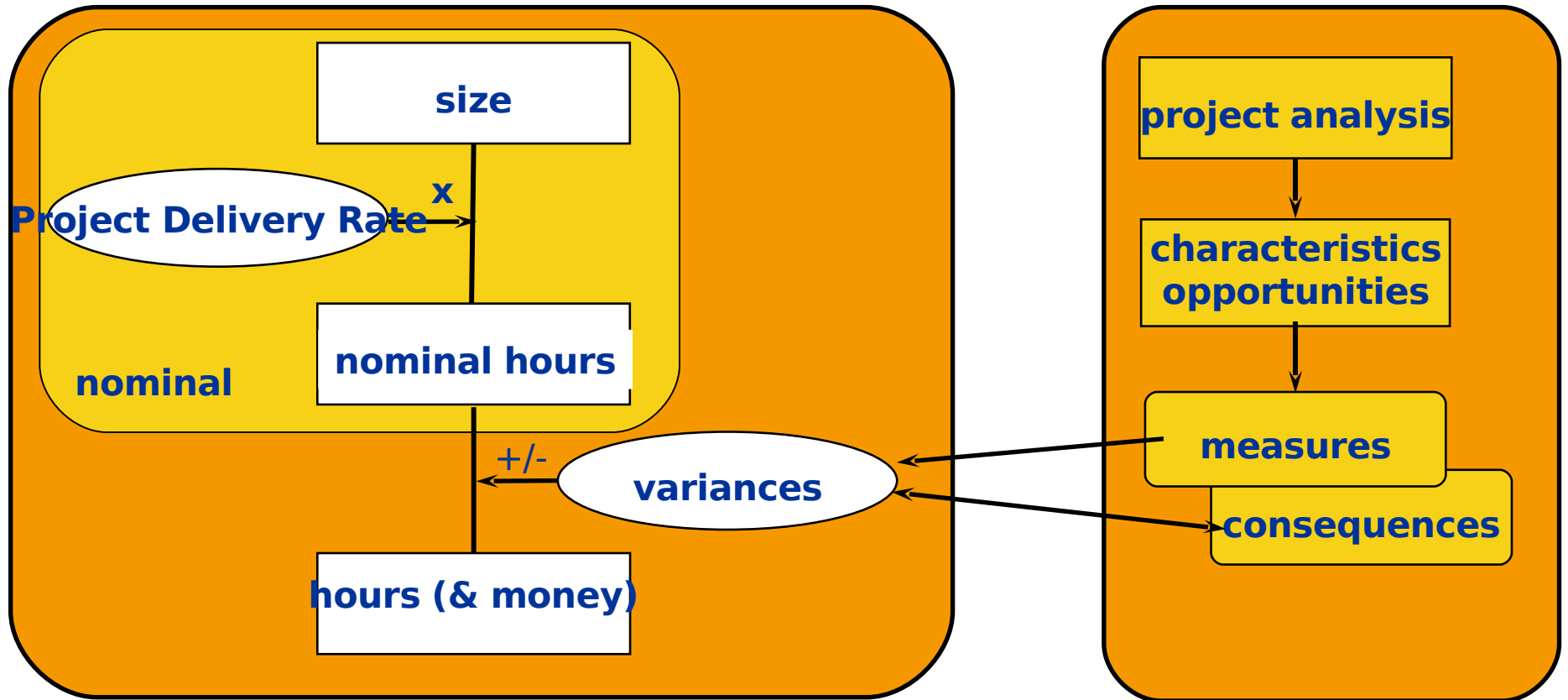
Estimating Cycle



Input - Process - Output



Enhanced Measurement Model

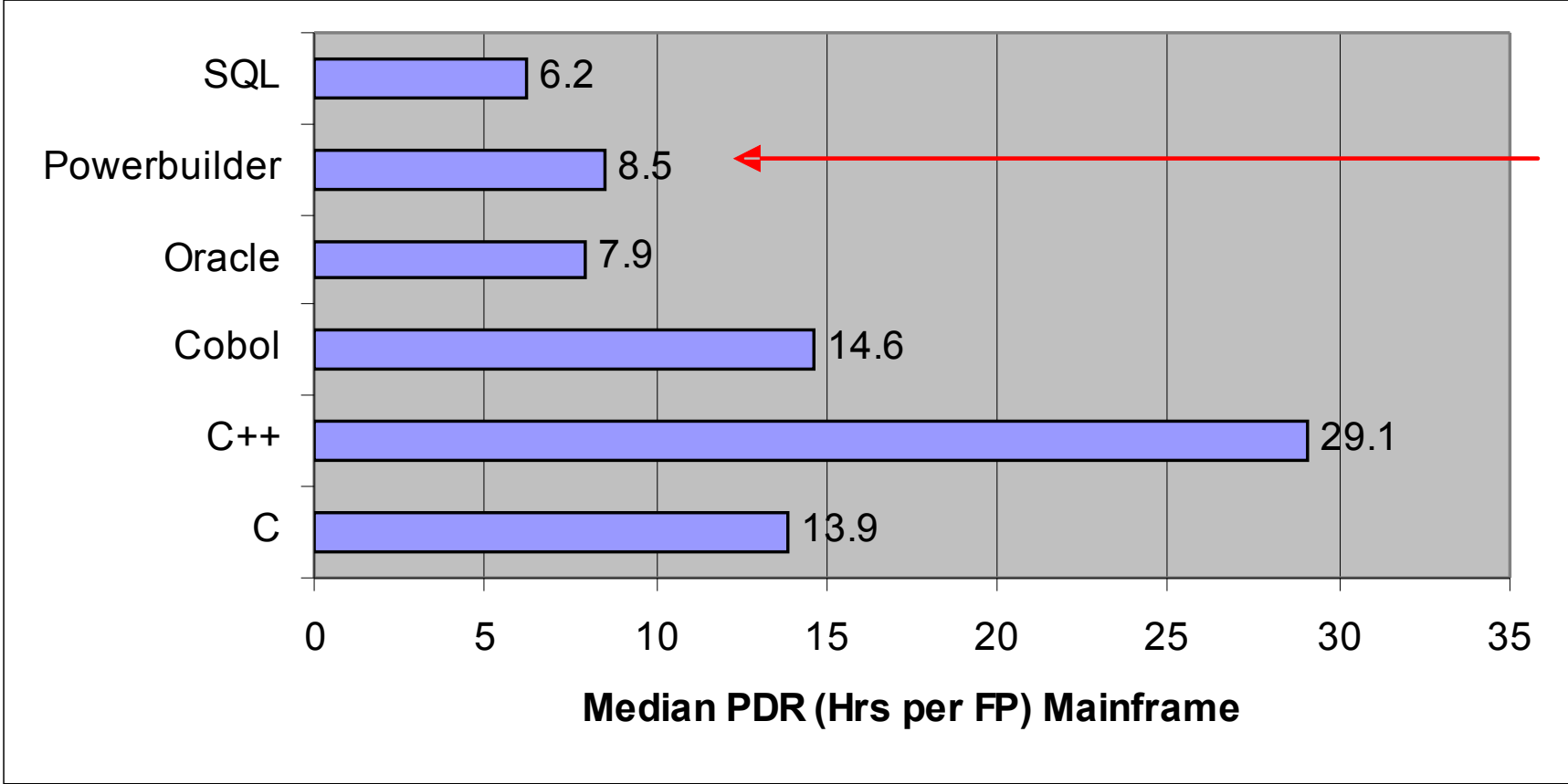


Methods

- COSMIC Full Functions
 - Measurement Manual V3.0 (September 2007) [ISO]
 - Application Guide V1.0 (December 2005)
 - COSMIC/Sogeti Maintenance Sizing (2004)
- Function Points
 - IFPUG Counting Practices V4.2 (2004) [ISO]
 - NESMA Counting Practices V.2.2 (2005) [ISO]
 - (NESMA)/Sogeti Maintenance Sizing (1996 / 1992)
- Use Case Point
 - IBM / Rational
- ...



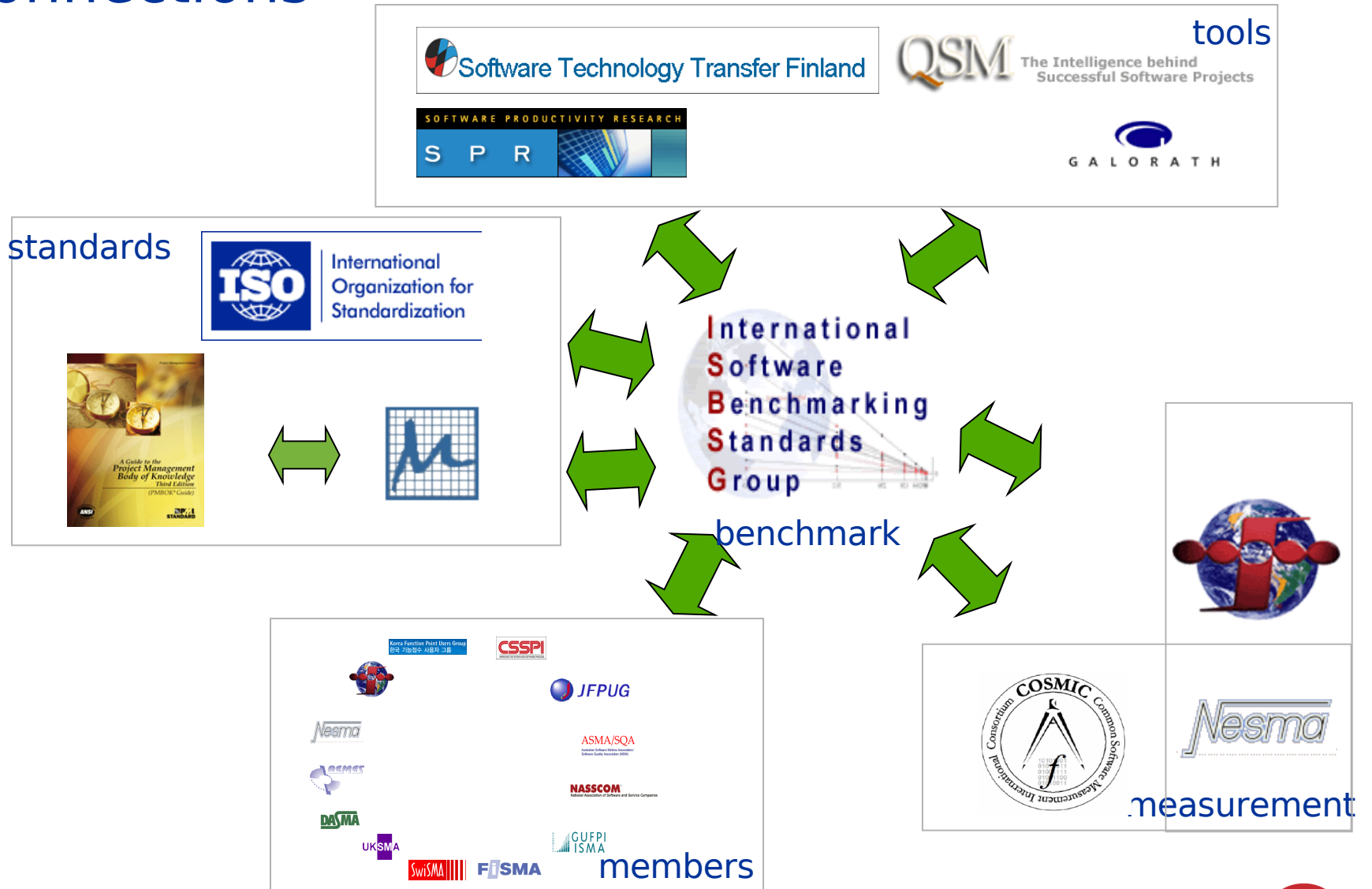
Median Project Delivery Rates



ISBSG members



Connections



ISBSG Repositories

- New Development & Enhancement
Data from projects focussing on development of custom build software
R10 (01-2007), > 4,000 projects
 - single user: CD version, limited detailed data per project
 - corporate version: 1 to 5 users (basis), more data fields, every half-year an update
- Run & Maintain (PILOT)
Data from application focussing effort and cost to keep the application operational
R0 (2007), < 140 projects
 - corporate version: 1 to 5 users (basis), more data fields
- Business Application Packages (under construction)
Data from projects focussing on a acquisition and implementation of packages
- Testing (under construction)
Data of the test activity as part of the life cycle or as dedicated activity

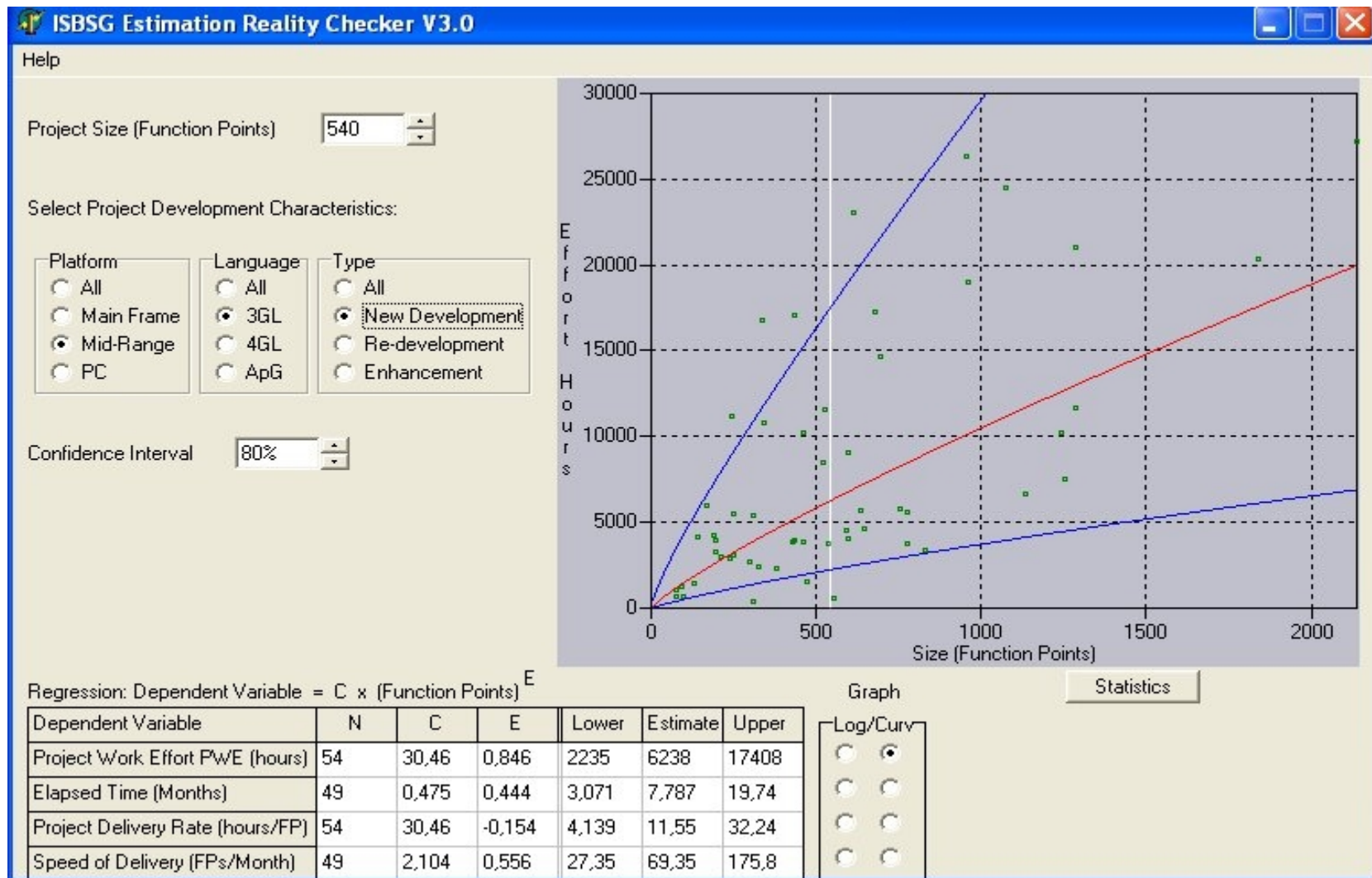


Example Project

Variables	Expectations
Size	540 fp
Domain	Business
Language	Cobol (3GL)
Platform	Mainframe
Constraints	€ 1,000,000 10 Months



Reality Checker



Reality Checker

Variables	Expectations	Reality Checker
Size	540 fp	540 fp
Domain	Business	-
Language	Cobol (3GL)	3 GL
Platform	Midrange	Midrange
Constraints	€ 1,000,000 1,741,000 10 Months	€ 624,000 - 7.8 - 19.7 Months



Reality Checker (online)

The reality is that, compared to projects that match yours in the ISBSG Repository

72 % were delivered within your expected **effort**

30,5 % were delivered within your expected elapsed **duration**

[what do I do now?](#)

Reality Check results - spread of projects compared to yours is

Effort - total project hours:

ISBSG 125 comparable projects:	Minimum	25 Percentile	Median	75 Percentile	Maximum
		4806	8100	12636	
Your project:					

Duration - elapsed months:

ISBSG 105 comparable projects:	Minimum	25 Percentile	Median	75 Percentile	Maximum
		8,7	14,6	25,8	
Your project:					



It's better to be a winner!



