

Martins Gills, 4finance

TAPOST conference, 2013.05.28

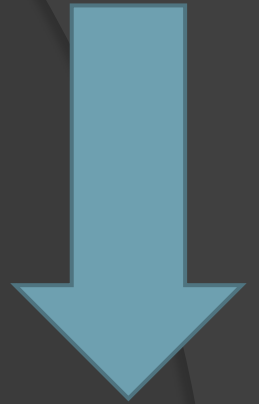
SOFTWARE TESTING TRENDS IN 2013

No revolution

- ⦿ Maturity of industry
- ⦿ Evolution of processes, frameworks
- ⦿ More metrics
- ⦿ Qualifications defined

We hear now less about:

- ⦿ Bug tracking
- ⦿ Static testing techniques
- ⦿ Less new tools, but rather add-ons
- ⦿ ... and even agile testing is now discussed less than 2-3 years ago



Outsourced testing?

- Is it still cheaper?
- Do companies get the best results?
- Is it possible to get the right user experience?



Crowd-sourced testing: uTest

- 87613 testers world-wide
- 25k test cycles run
- 680k bugs submitted so far
- 5k products tested

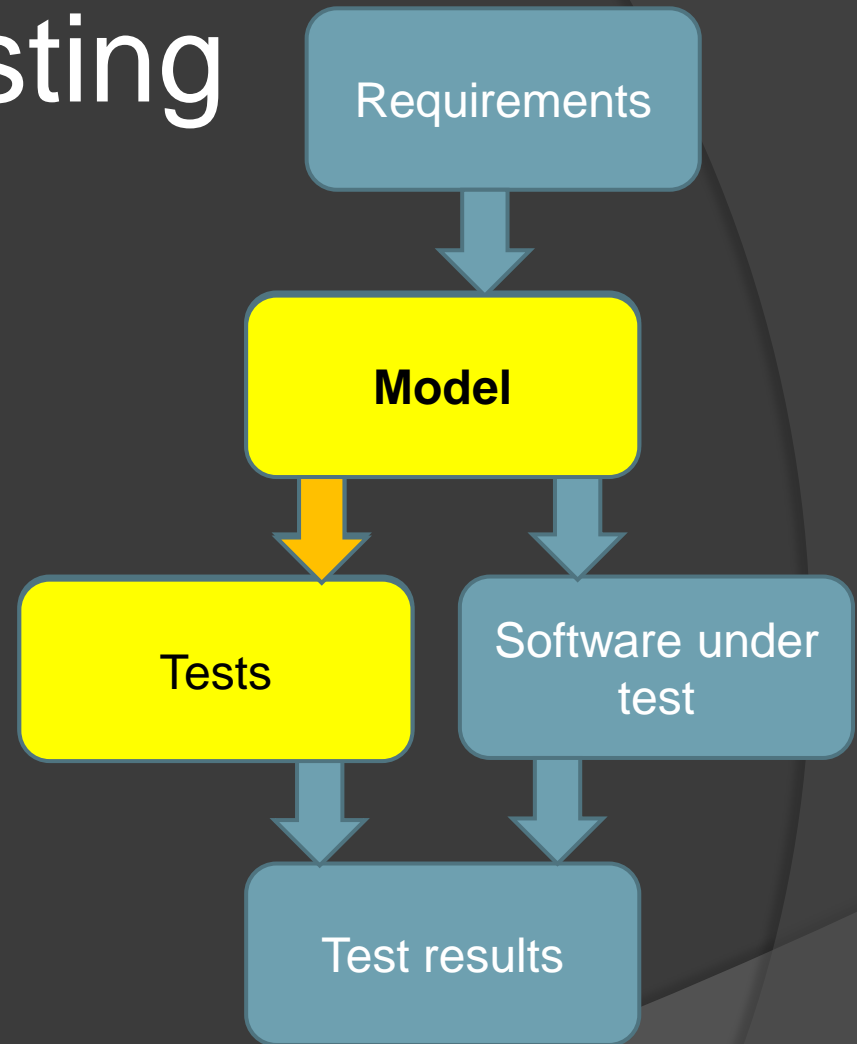
Google
BBC
Microsoft
USA Today
Blendr
Answers.com
News International

Was web, now mobile ...

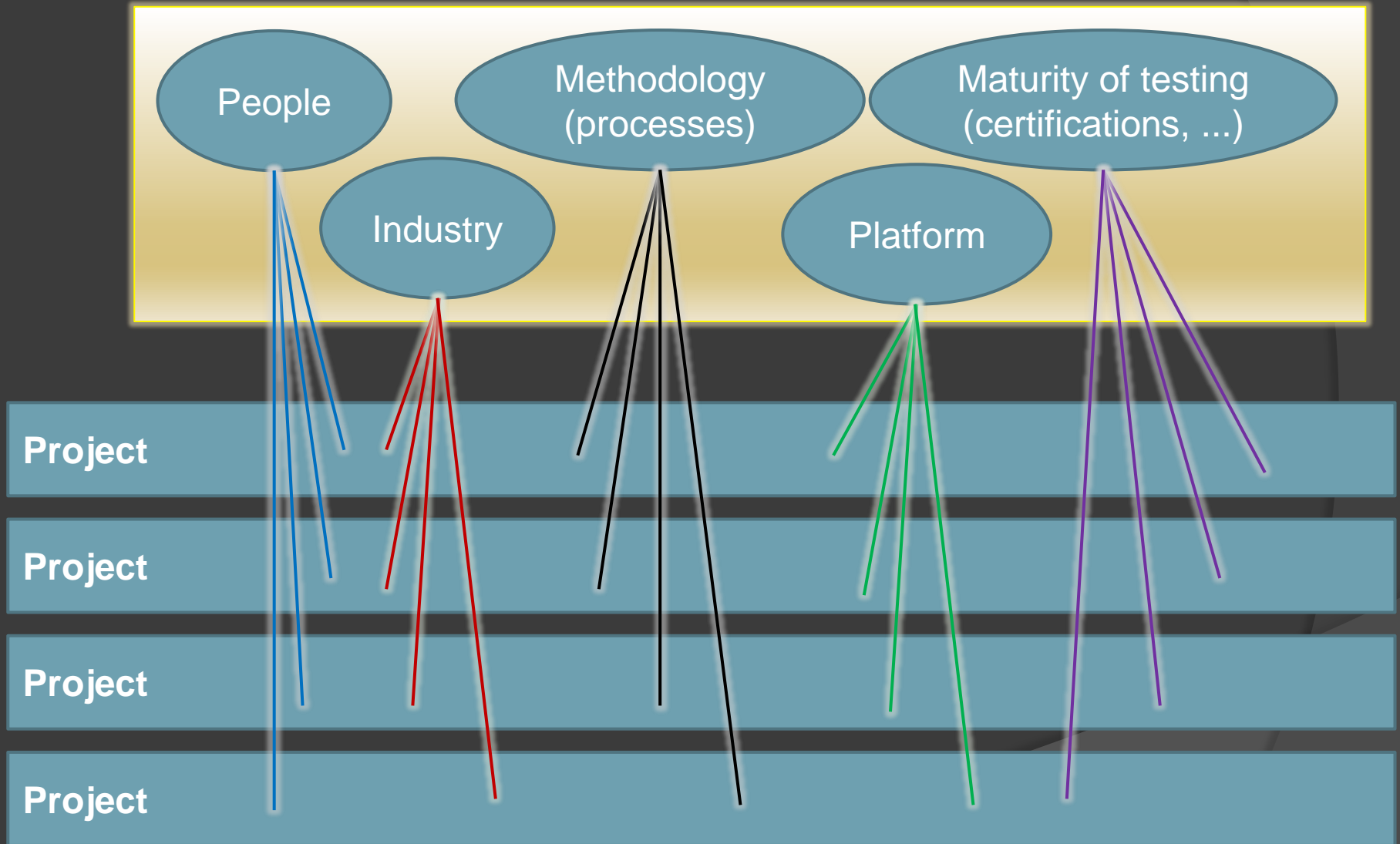
- ⦿ Web for mobile:
 - Mobile browsers
 - Screen resolutions
- ⦿ Testing native mobile apps:
 - Simulator vs real phone/tab
 - User experience
 - Resource consumption
 - Battery drain

Model-based testing

- Myth or reality?
- Business-critical environments
- Issues with universality
- Working samples



Center of excellence



Cloud (1/2)



- Testing the software developed specifically for the cloud
 - Application performance management
 - Finding cost-efficiency depending on the cloud cost model:
 - Charge per SQL operations
 - RAM or storage use
 - CPU use
- Testing cloud vendor's services
 - Reliability, security, latency, ...

Cloud (2/2)



- ⦿ Using cloud as infrastructure for testing
 - Public cloud (limited scope)
 - Private cloud infrastructure
- ⦿ Benefits
 - Lower costs
 - Facilitated maintenance
 - Fast changes
 - Flexible contracts

Qualification



- ⦿ Frequent discussions about skills, but ...
- ⦿ ... ultimately ISTQB is the best structured and most properly scoped certification scheme.
 - New Advanced Level syllabus in 2012
 - Expert Level – now live
 - Work on Software Testing Body of Knowledge
- ⦿ New – trainings and certifications of agile testers (not under ISTQB)

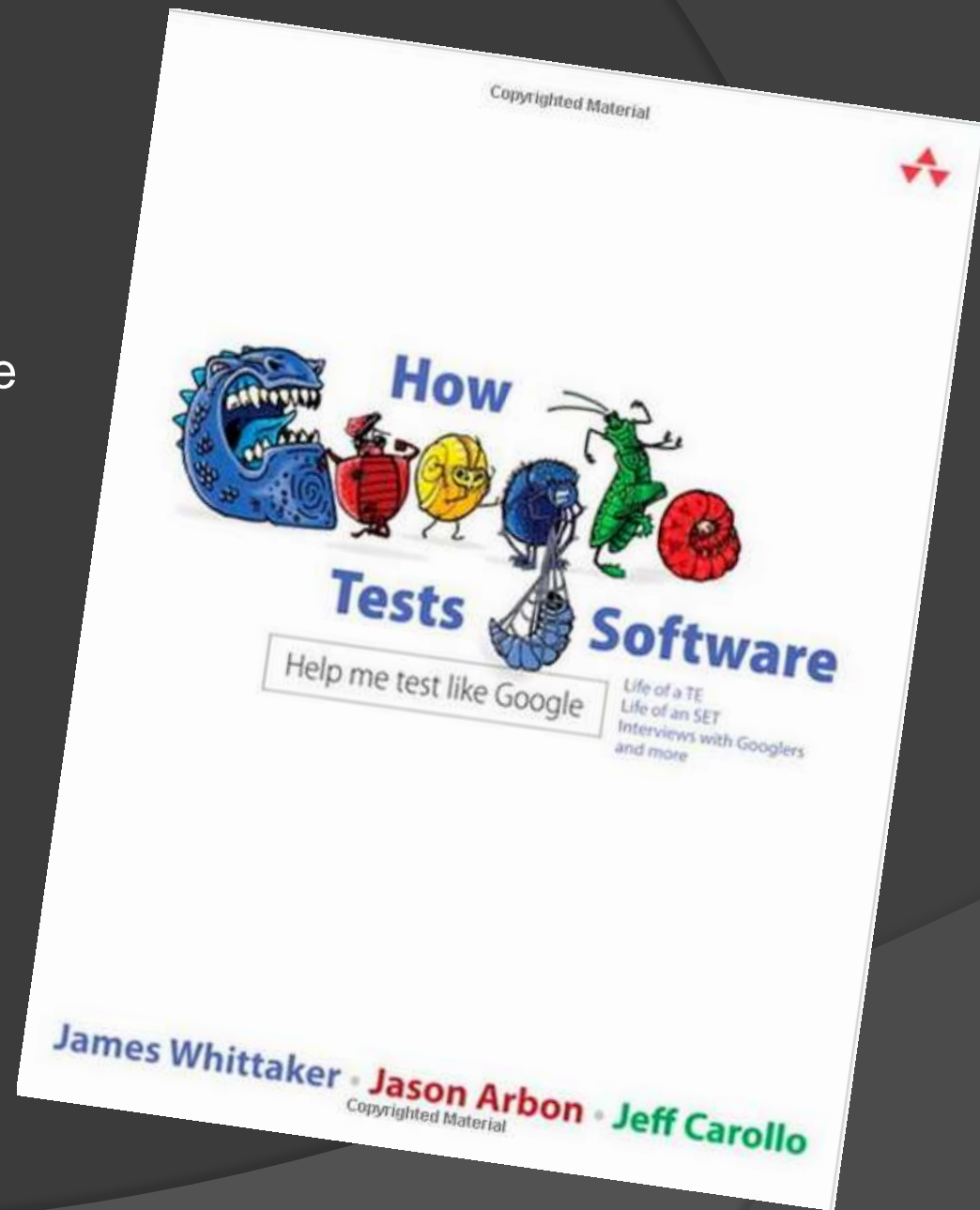
Hot book

Chapters:

1. Introduction to Google software testing
2. The software engineer in test
3. The test engineer
4. The test engineering manager
5. Improving how Google tests software

Appendices:

- A. Chrome OS test plan.
- B. Test tours for Chrome.
- C. Blog posts on tools and code.



Testing and the social networks

- ⦿ As system under test
 - Specific type of system
- ⦿ Means for organizing the testing
 - Allocating testers
 - Coordinating testing activities
- ⦿ Enterprise social networking (e.g. Yammer)
 - Discuss requirements and tests
 - Plan tests
 - Review test results

Other conferences



Tallinn, June 5-7, 2013



Gothenburg, Nov 4-7, 2013



Duesseldorf, April, 2014

Let's continue...