Pecha Kucha

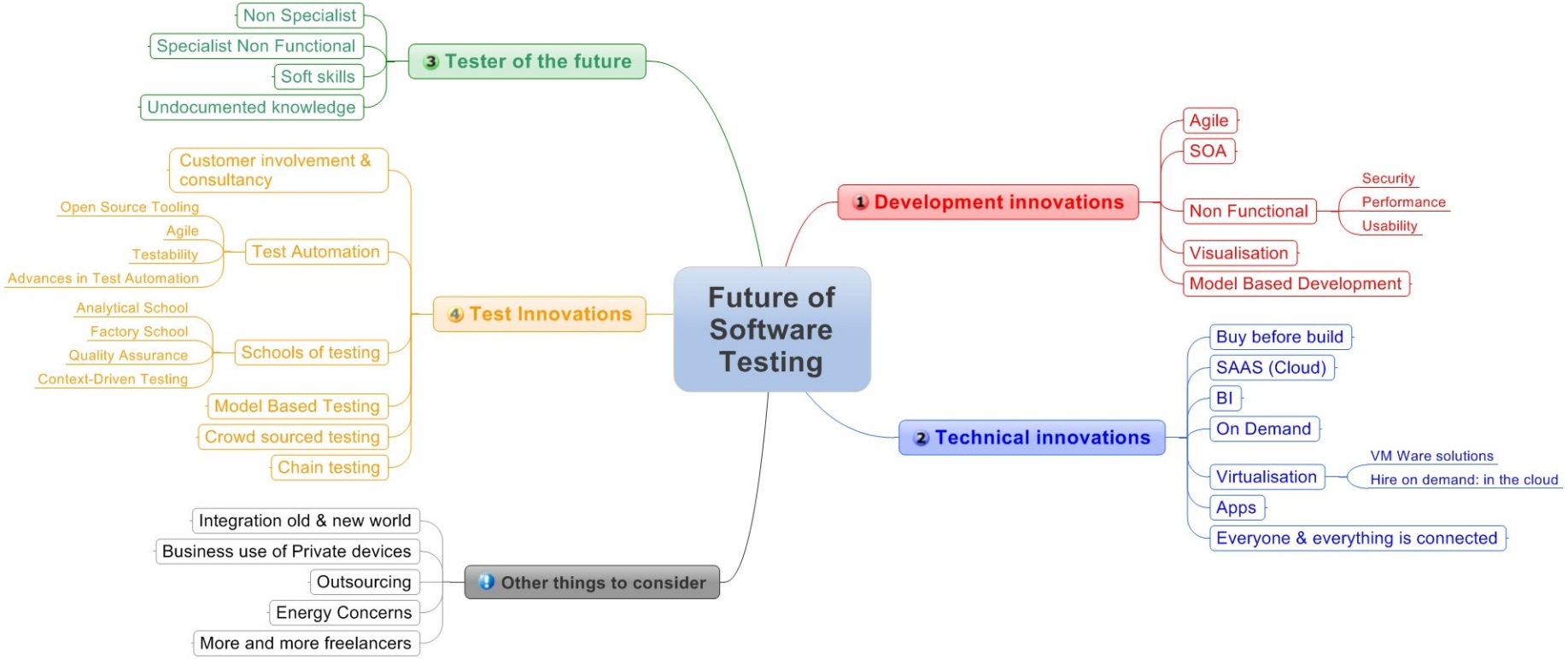
ペチャクチャ

20 x 20 6:40

JuBoCo TestNet

12 July 2011

De toekomst
van
Software Testen
(in Nederland?)

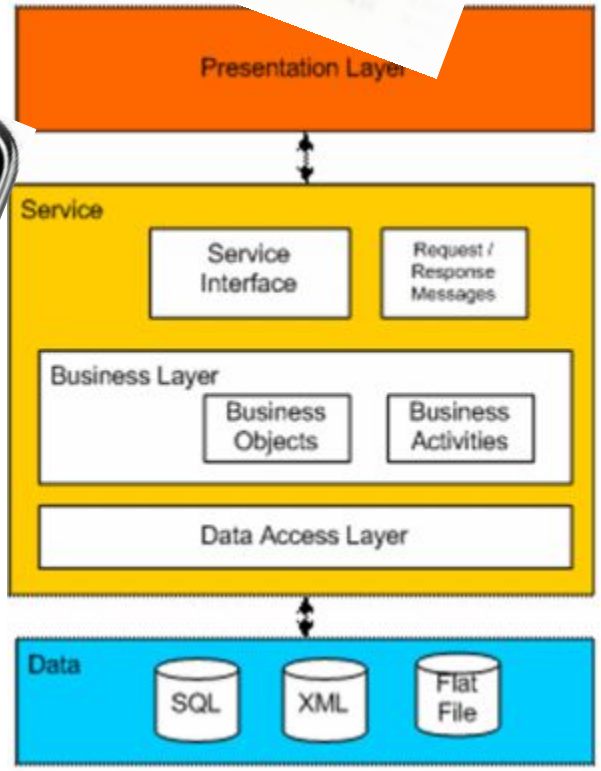

Future of Software Testing
1 Development innovations
Agile
SOA
Non Functional
Security
Performance
Usability
Visualisation
Model Based Development
2 Technical innovations
Buy before build
SAAS (Cloud)
BI
On Demand
Virtualisation
VM Ware solutions
Hire on demand: in the cloud
Apps
Everyone & everything is connected
3 Tester of the future
Non Specialist
Specialist Non Functional
Soft skills
Undocumented knowledge
4 Test Innovations
Customer involvement & consultancy
Test Automation
Open Source Tooling
Agile
Testability
Advances in Test Automation
Schools of testing
Analytical School
Factory School
Quality Assurance
Context-Driven Testing
Model Based Testing
Crowd sourced testing
Chain testing
Other things to consider
Integration old & new world
Business use of Private devices
Outsourcing
Energy Concerns
More and more freelancers

Be 4

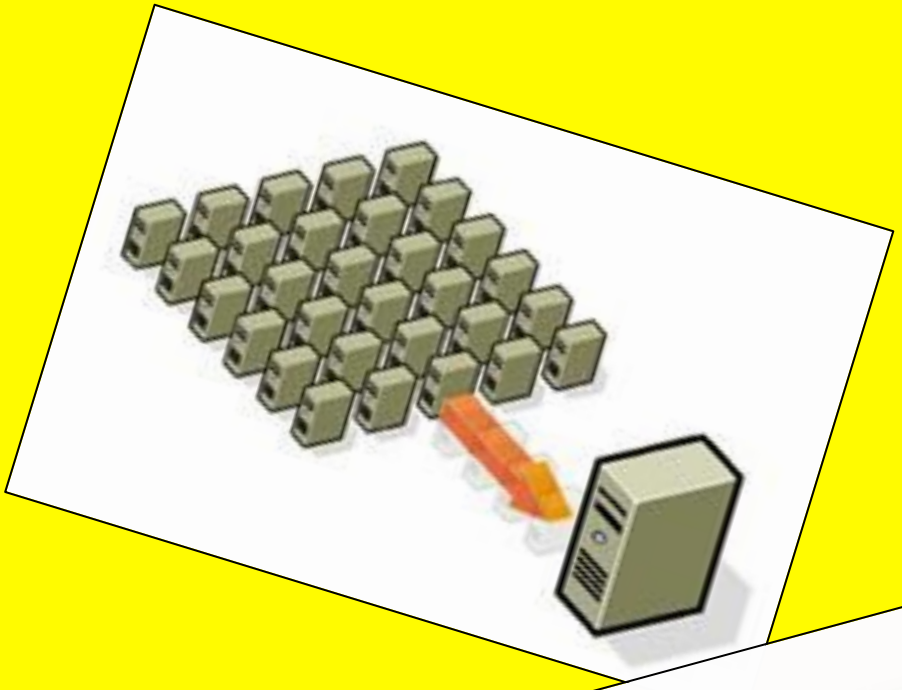
salesforce.com
BUNGEEconnect
Microsoft
force.com
Azure Services Platform
3tera
vmware
EMC²
YAHOO! DEVELOPER NETWORK
Sun
Google
amazon web services
IBM
Google
ACROBAT.COM
MOSSO
OpenID
Sun Grid Compute Utility
NETSUITE
Joyent Accelerators
intel
hp
DELL

Comcast
ON DEMAND

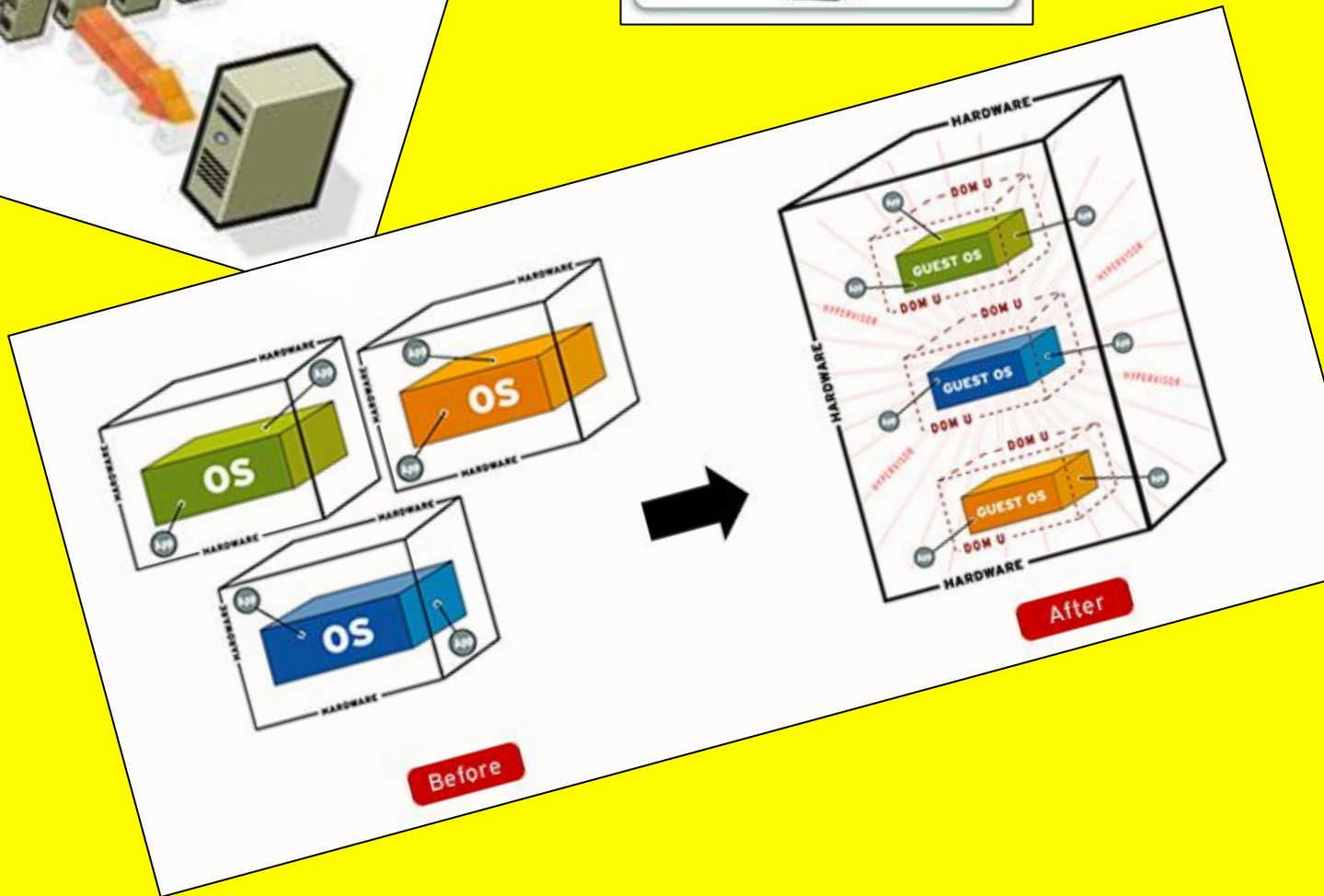
digg
YouTube
Broadcast Yourself
flickr
myspace.com
Technorati
twitter
facebook
jaiku
MyBlogLog
slideshare

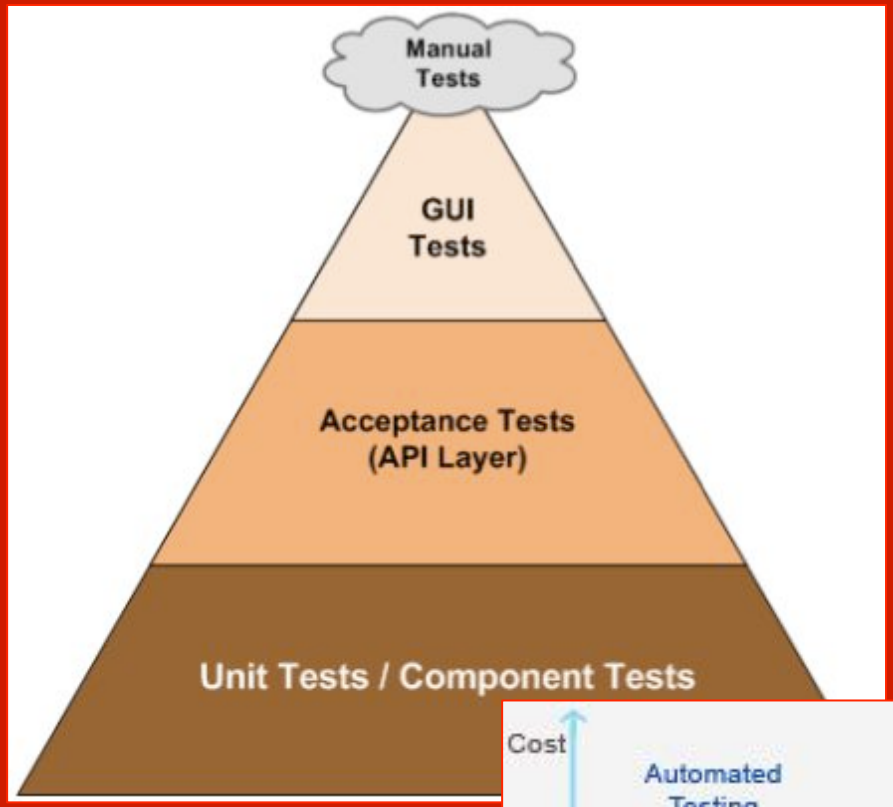

Presentation Layer
Service
Service Interface
Request / Response Messages
Business Layer
Business Objects
Business Activities
Data Access Layer
Data
SQL
XML
Flat File

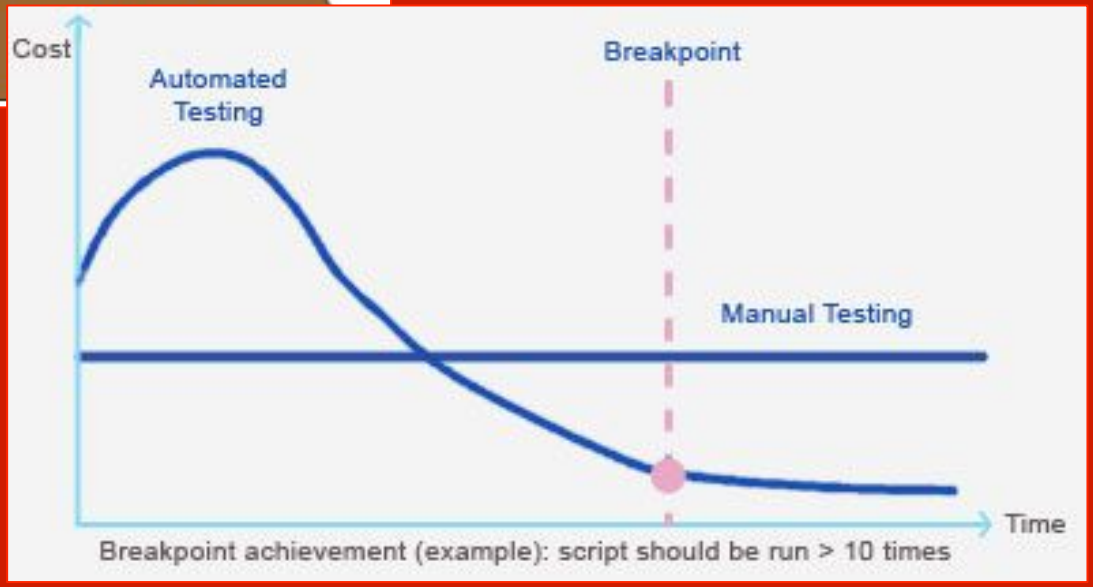
Non-functional requirements
External requirements
Efficiency requirements
Usability requirements
Performance requirements
Space requirements
Legislative requirements
Safety requirements



Oracle
SQL
Application Servers
Email
File
Print


HARDWARE
OS
OS
OS
Before
HARDWARE
DOM U
GUEST OS
GUEST OS
GUEST OS
HYPERVISOR
After


Manual Tests
GUI Tests
Acceptance Tests (API Layer)
Unit Tests / Component Tests


Cost
Automated Testing
Breakpoint
Manual Testing
Time
Breakpoint achievement (example): script should be run > 10 times

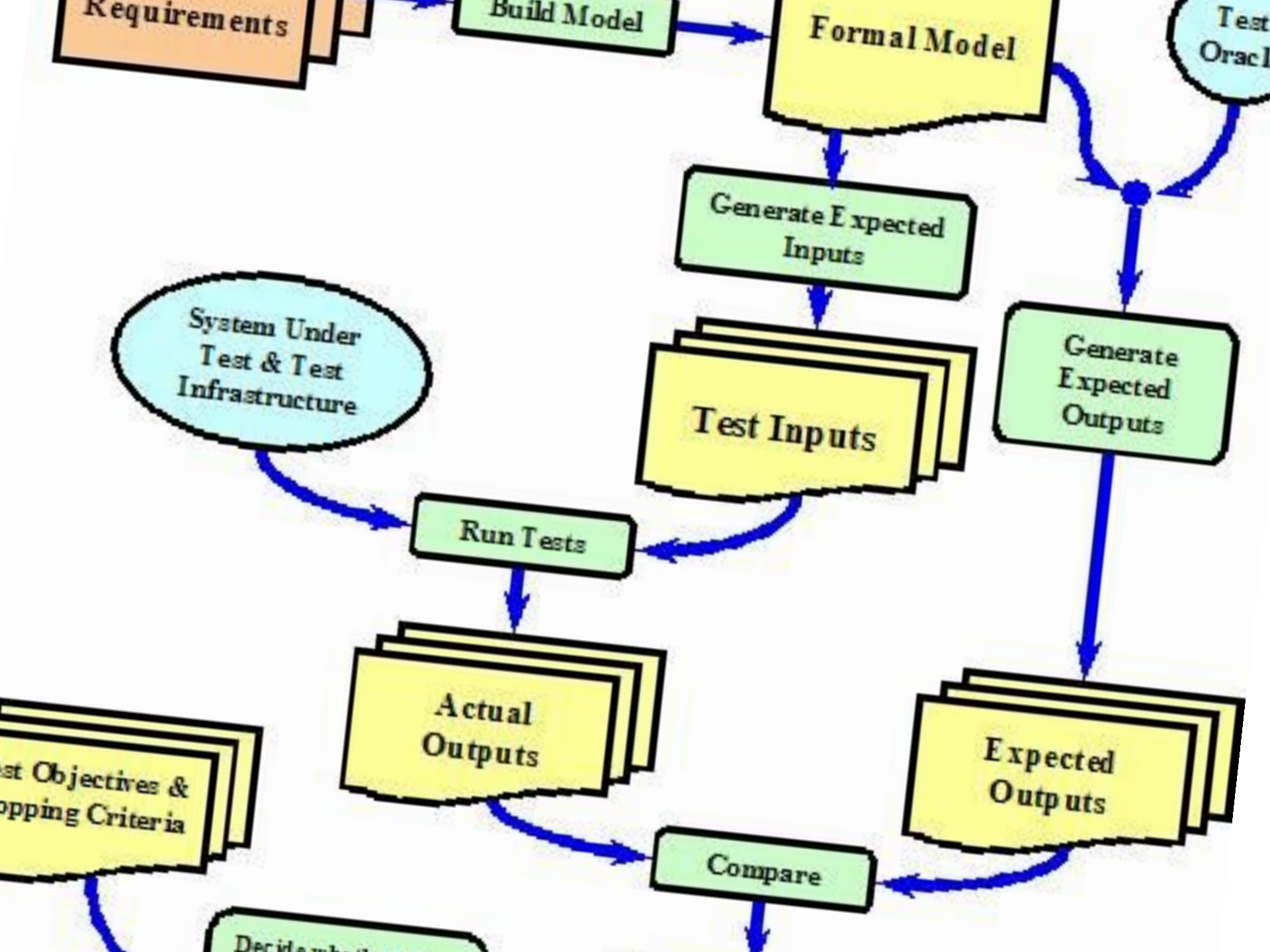
opensourcetesting.org
open source software testing tools, news a
Home
Testing tools
Unit testing tools
News
Functional testing | Performance testing | Test m
Bug database
Security
Most popular
Canoo WebTest
Selenium
Arbiter
Autonet
AutoTestFlash
Avignon
Blerby Test Runner
soapUI
loadUI
Download Free
Open Source
JUnit.org
Get Started Now
Watir
.com
Requirement:

The Seven Basic Principles of the Context-Driven School

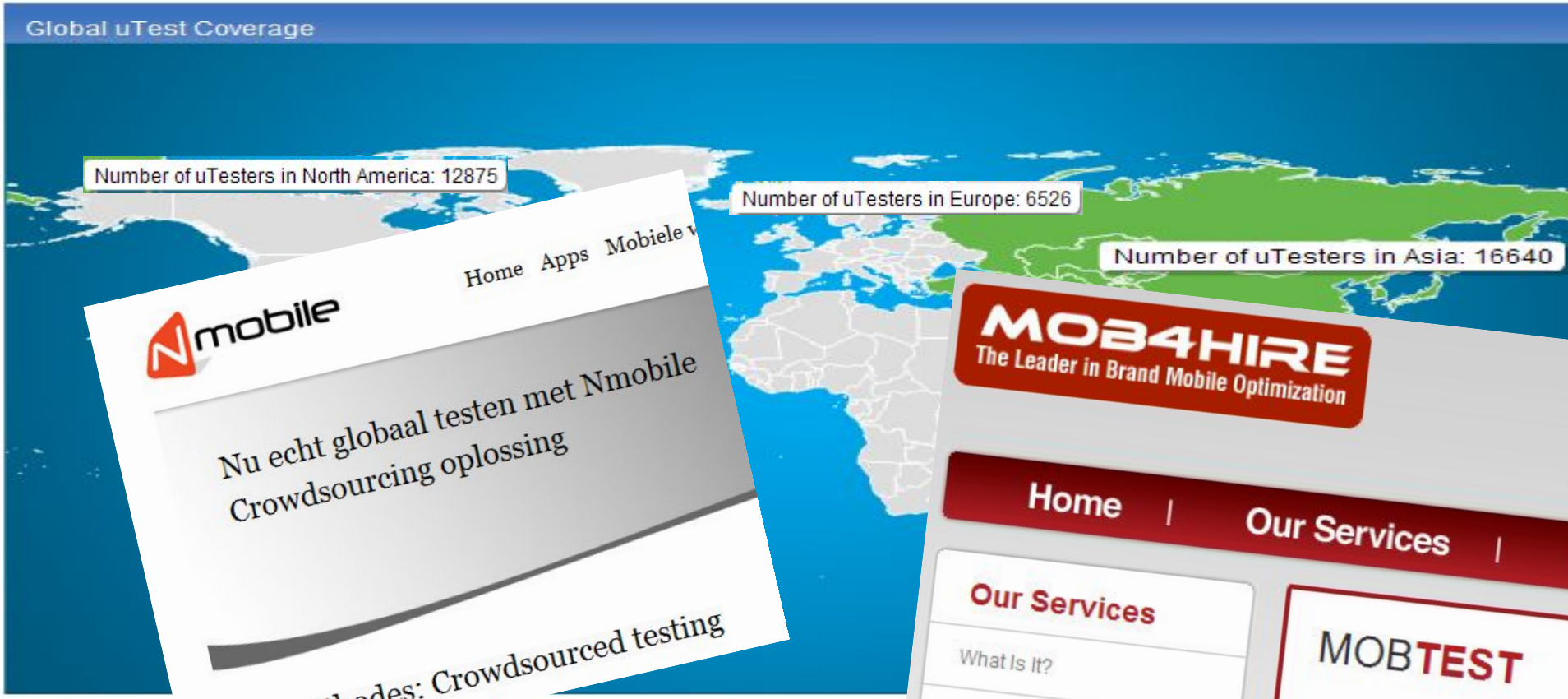
1. The value of any practice depends on it
2. There are good best practices.
3. Pe f any project's context.
4. Proje e.
5. The pr duct doesn't work.
6. Good so
7. Only throug ut the entire e right times to products.

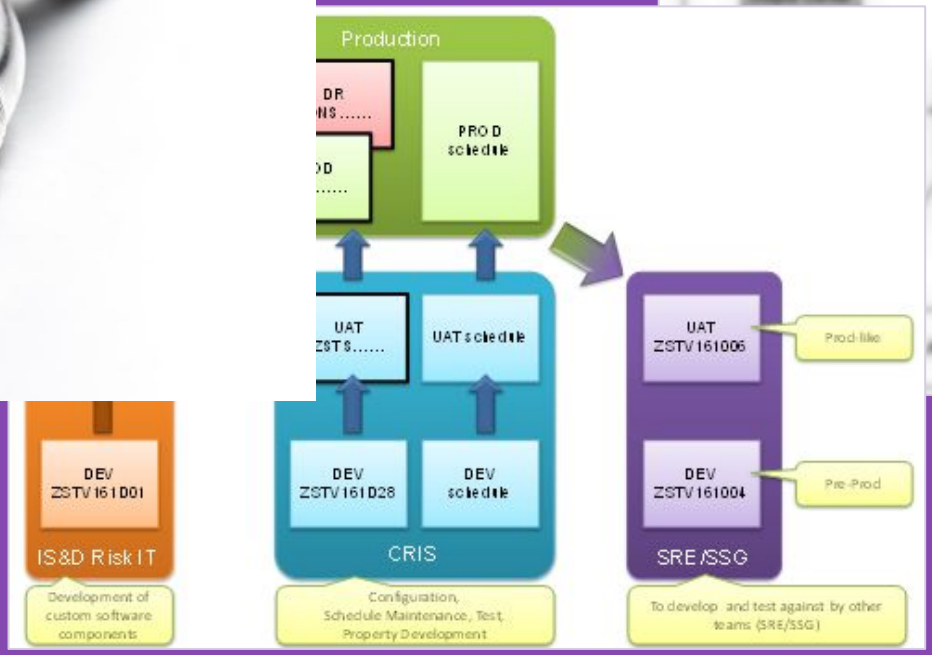
Illustrations

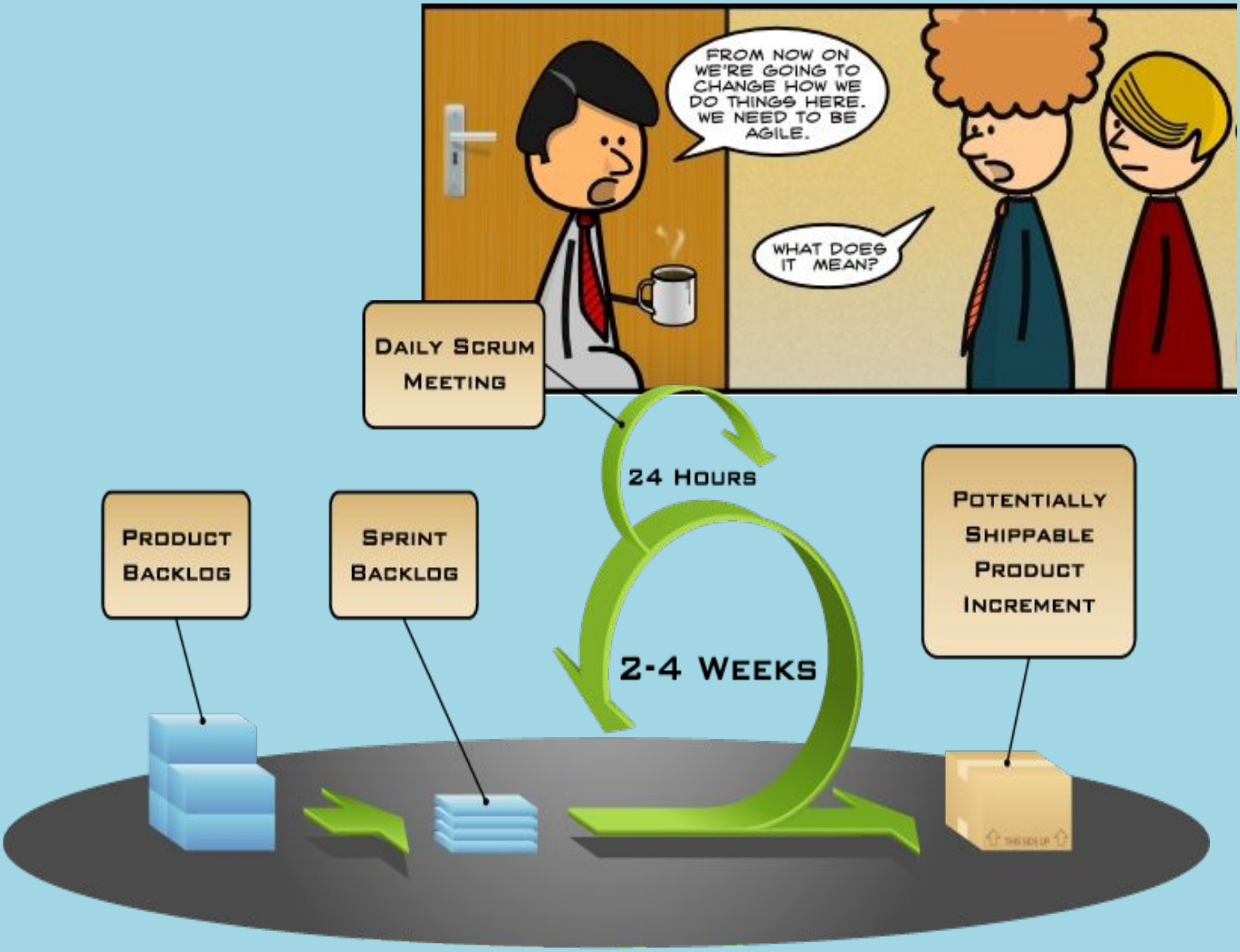
- Testing gr development project; they serve the pr
- Testing is done or veloping, qualifying, debugging, investigating, or selling a product. Entirely different te te for these different objectives.
- It is entirely proper for dif t groups to have different missions. A core practice in the service of one mission might be irrelevant or counter-productive in the service of another.
- Metrics that are not valid are dangerous

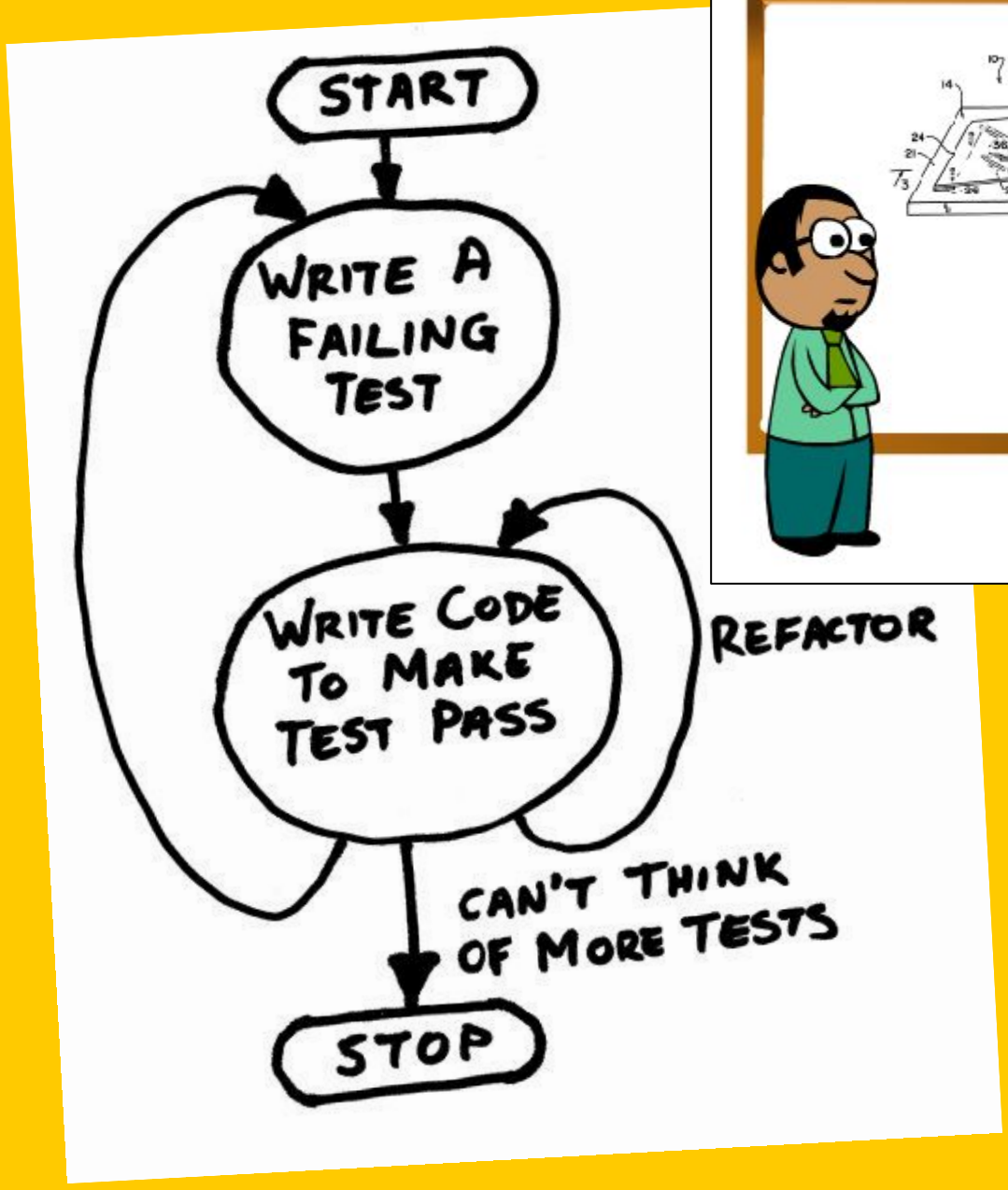

Requirements
Build Model
Formal Model
Test Oracl
Generate Expected Inputs
System Under Test & Test Infrastructure
Test Inputs
Generate Expected Outputs
Run Tests
Actual Outputs
Expected Outputs
st Objectives & pping Criteria
Compare

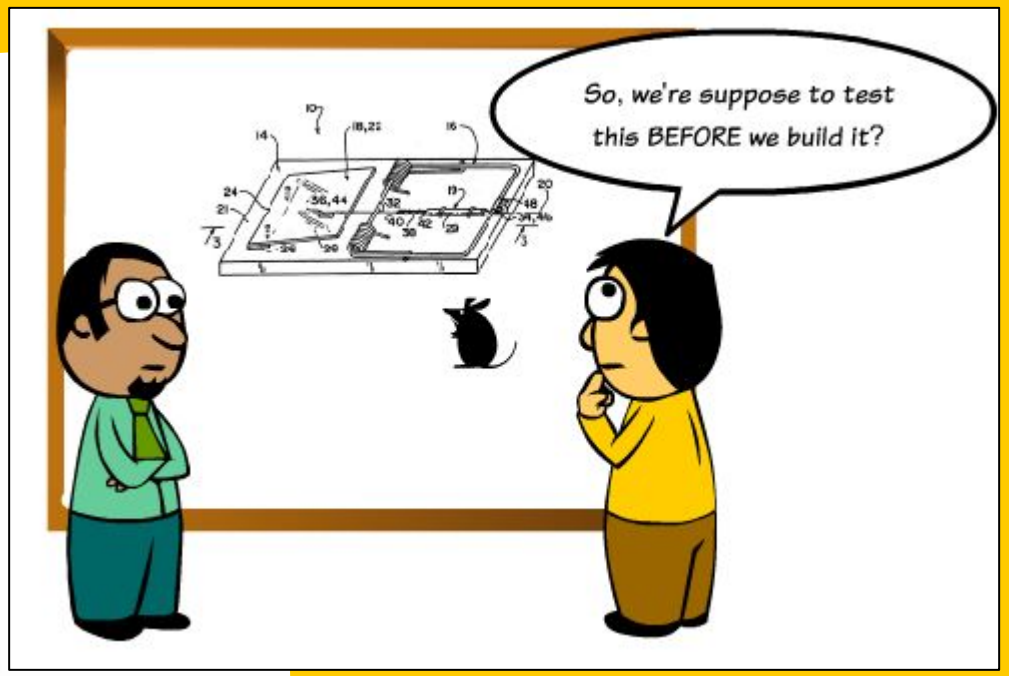
Meet Our Testers




Production
DR
PROD
schedule
UAT
ZSTS.....
UAT schedule
DEV
ZSTV161D01
DEV
ZSTV161D28
DEV
schedule
UAT
ZSTV161006
Prod-like
DEV
ZSTV161004
Pre-Prod
IS&D Risk IT
CRIS
SRE/SSG
Development of custom software components
Configuration, Schedule Maintenance, Test Property Development
To develop and test against by other teams (SRE/SSG)


FROM NOW ON WE'RE GOING TO CHANGE HOW WE DO THINGS HERE. WE NEED TO BE AGILE.
WHAT DOES IT MEAN?
DAILY SCRUM MEETING
24 HOURS
2-4 WEEKS
PRODUCT BACKLOG
SPRINT BACKLOG
POTENTIALLY SHIPPABLE PRODUCT INCREMENT


START
WRITE A FAILING TEST
WRITE CODE TO MAKE TEST PASS
REFACTOR
CAN'T THINK OF MORE TESTS
STOP


So, we're suppose to test this BEFORE we build it?

Agile TESTING

Agile Strategy: added valu

Everybody t

Added value

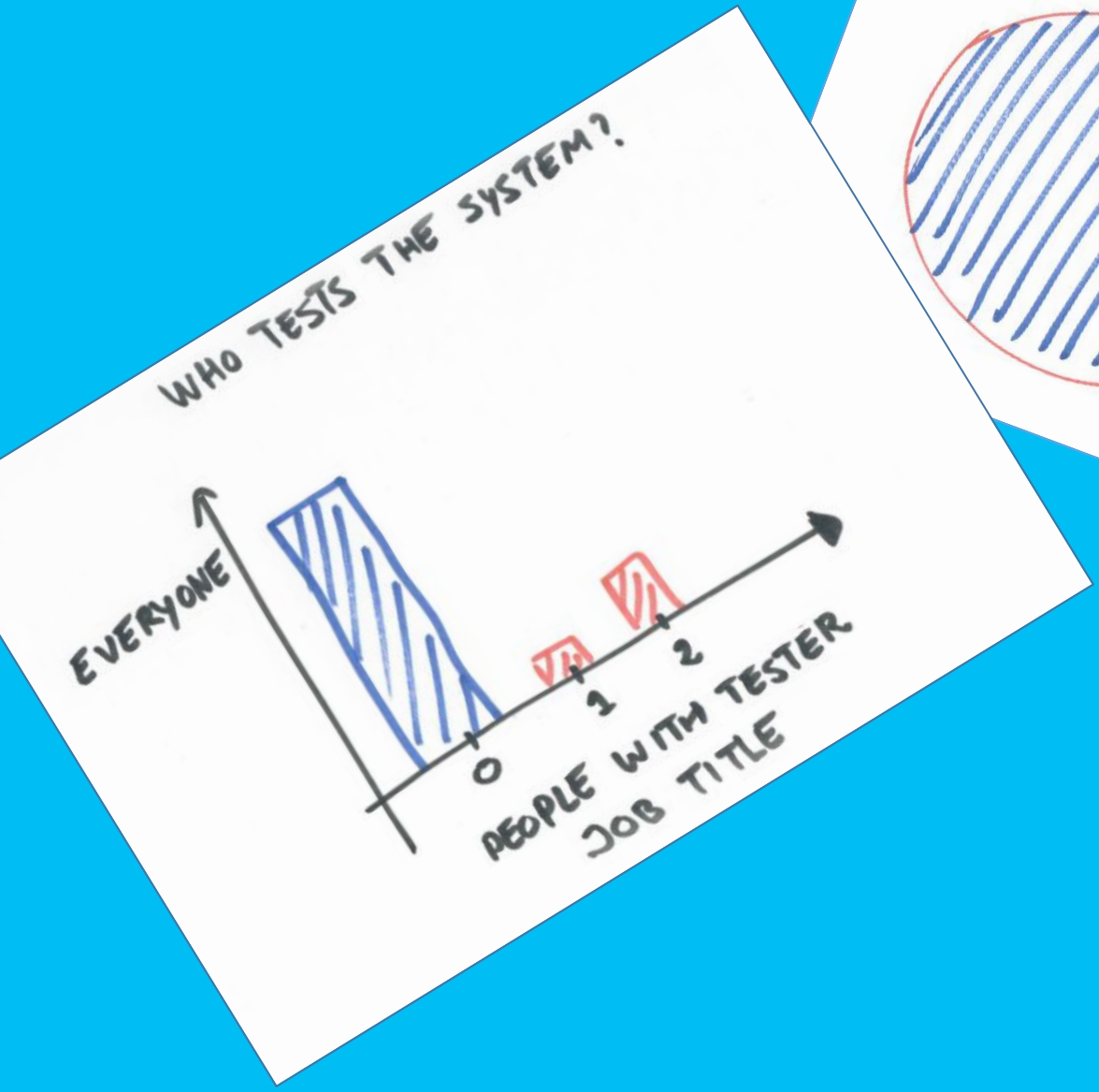
Fast feedback

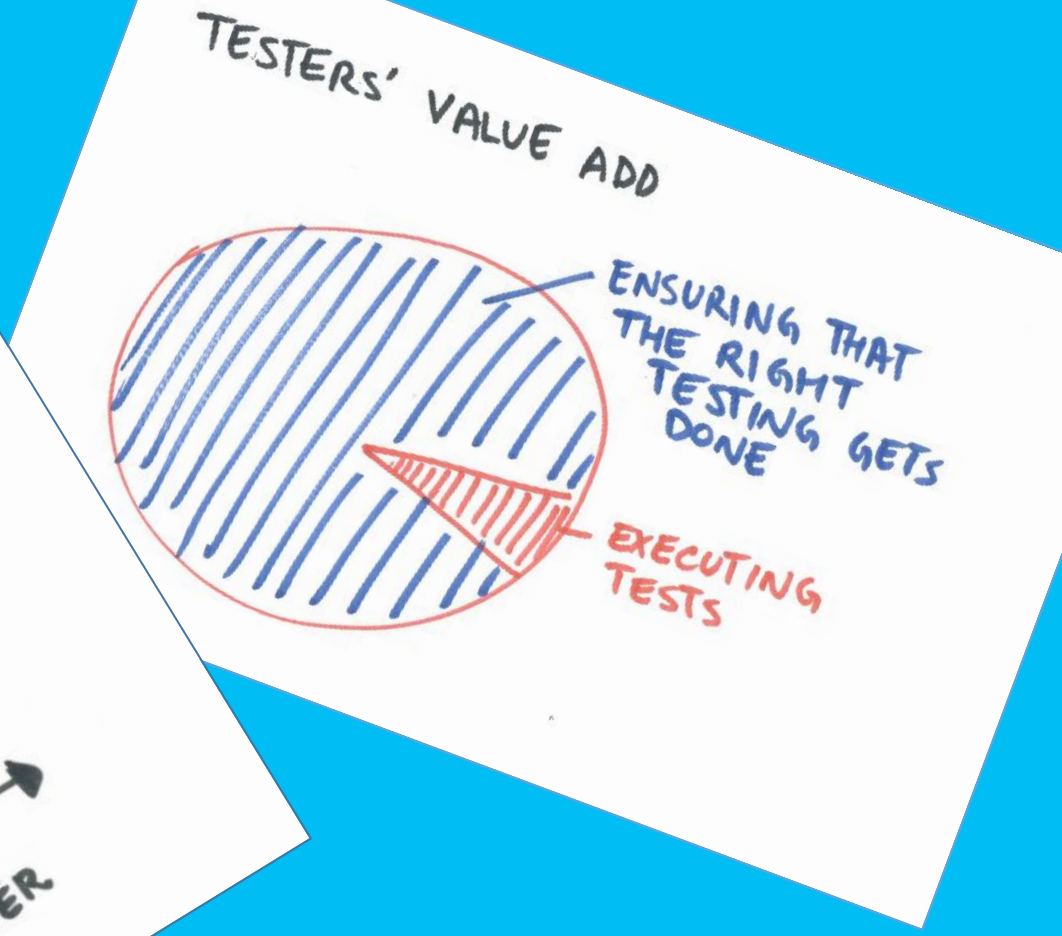
Pair testing

Automated testing

TEAMSPORT

Tester 2015


WHO TESTS THE SYSTEM?
EVERYONE
0
1
2
PEOPLE WITH TESTER JOB TITLE


TESTERS' VALUE ADD
ENSURING THAT THE RIGHT TESTING GETS DONE
EXECUTING TESTS

LEWT
KWST
DEWT
Vakmanschap is Meesterschap
Software Testing Club
Tea-time with Tester
weekend Testing
test learn contribute
Testing Dojos Craftsmanship in Software Testing
STP SOFTWARE TESTPROFESSIONALS
TEST NET
Association for Software Testing
ast
te testing experience
PROFESSIONAL TESTER
Essential for software testers
SUBSCRIBE It's FREE for testers
QUALITY MATTERS
BETTER SOFTWARE CONFERENCE EAST
Agile
TESTING
Dutch Testing Days
TesTrek
TORONTO 2011
EuroSTAR 2011

WILL CODE
HTML For
FOOD
PLEASE HELP