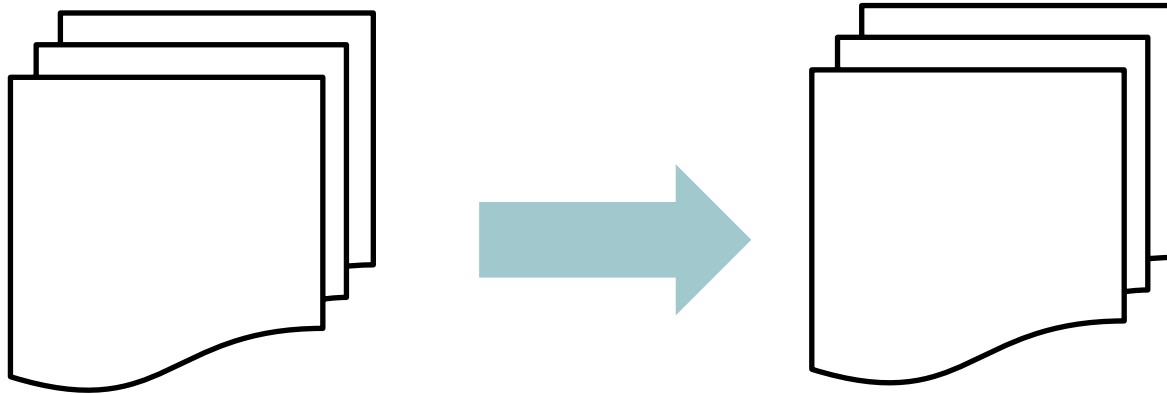


Exploratory Testing How and When

Jesper L. Ottosen
Test Manager, NNIT for
QA Network Aarhus, Nov 2014

Requirements for an enterprise transition



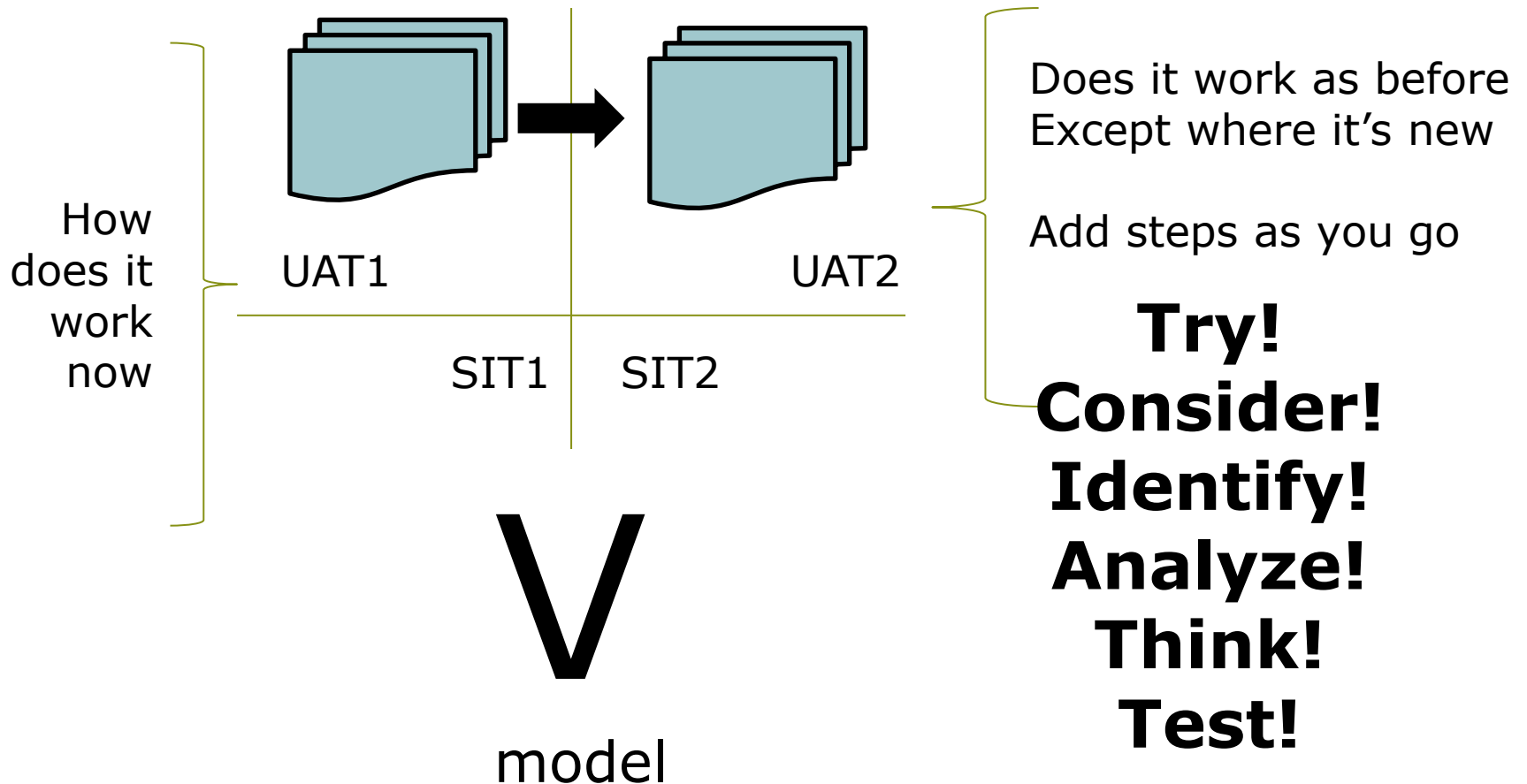
Everything has to work as before, just in a new place.

Oh, except where we expect it to be different

So, only the expected unexpected happens

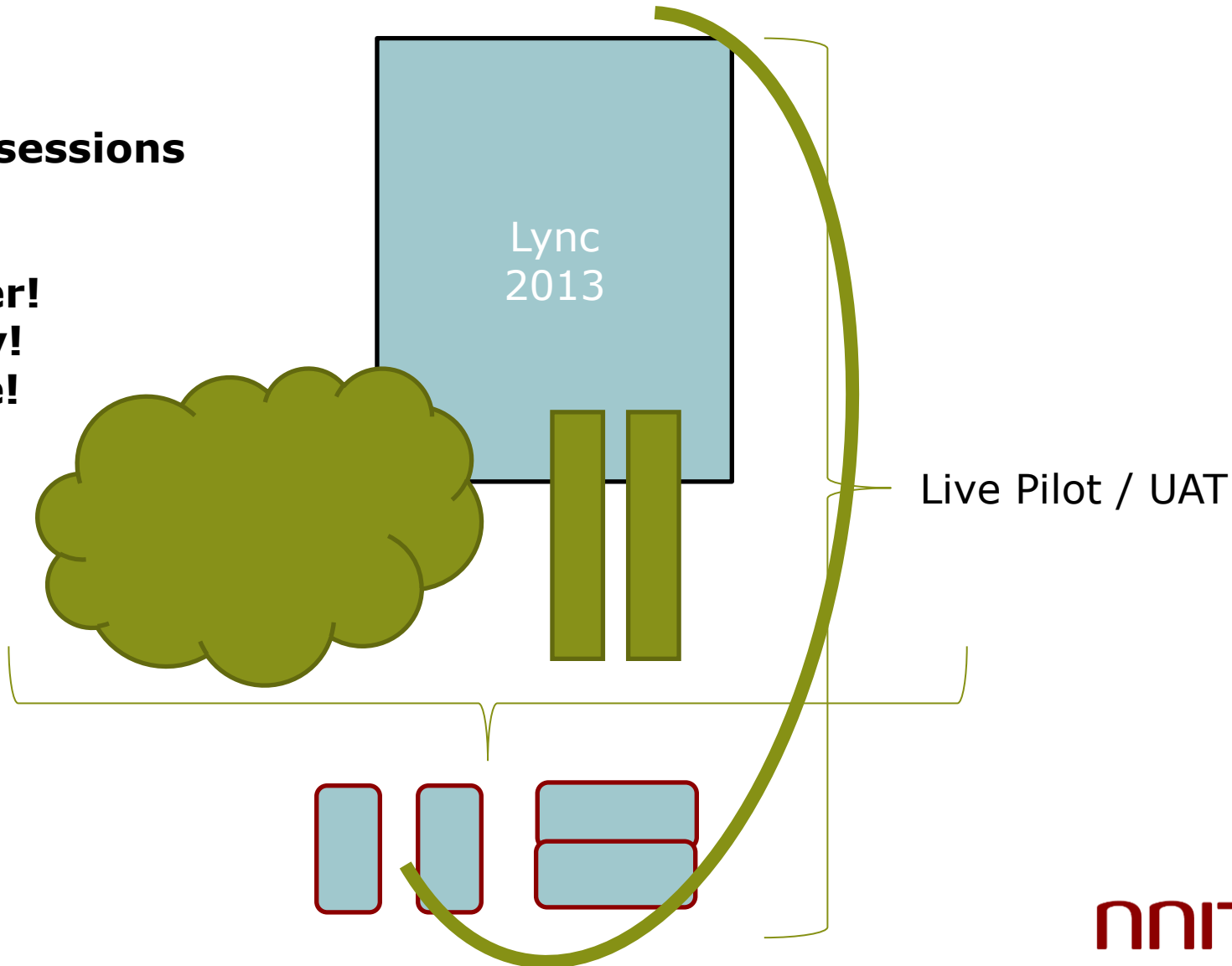
...

The structured mission of exploration

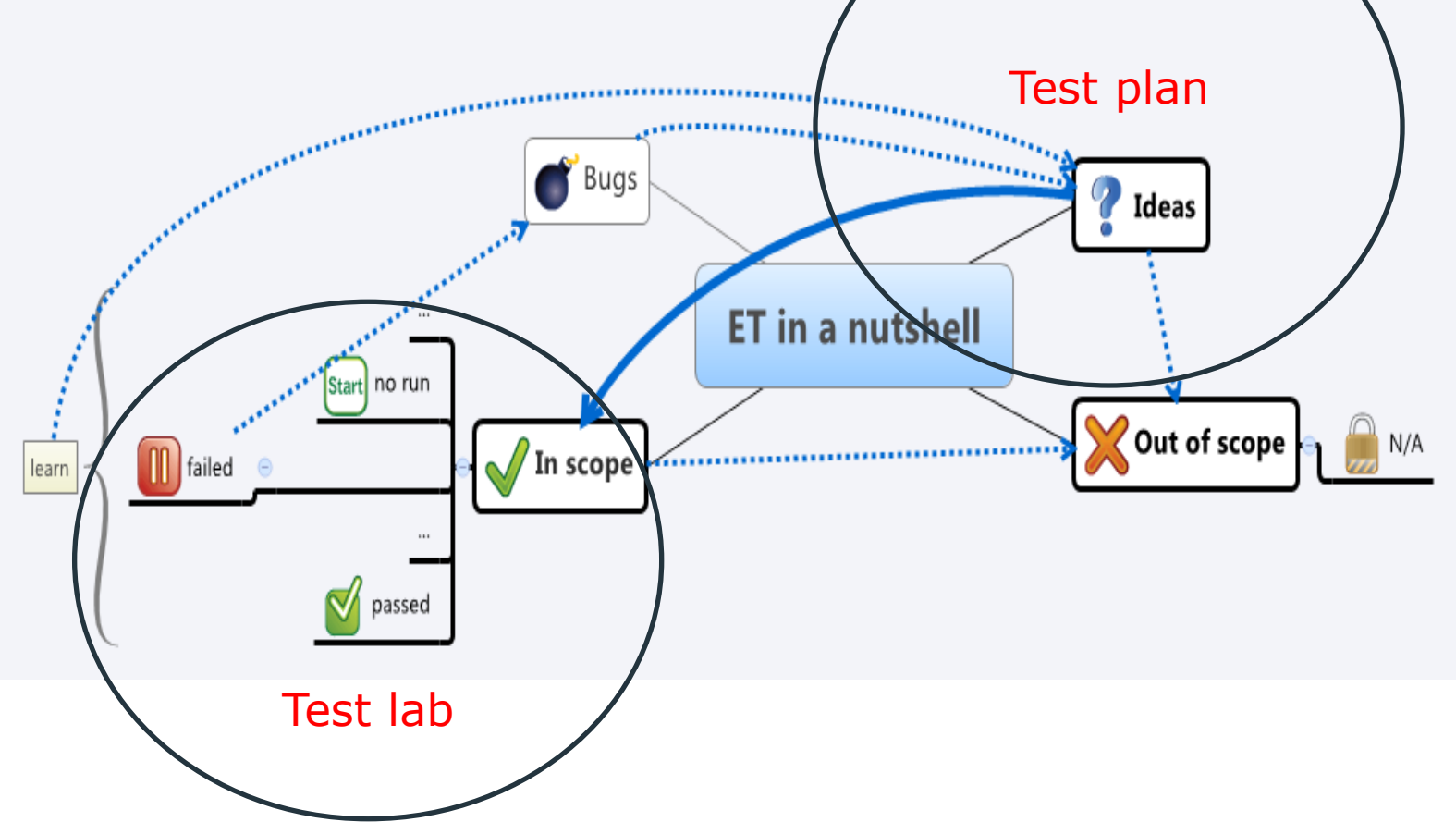


Situation:

Test in sessions
Explore
Try!
Consider!
Identify!
Analyze!
Think!
Test!



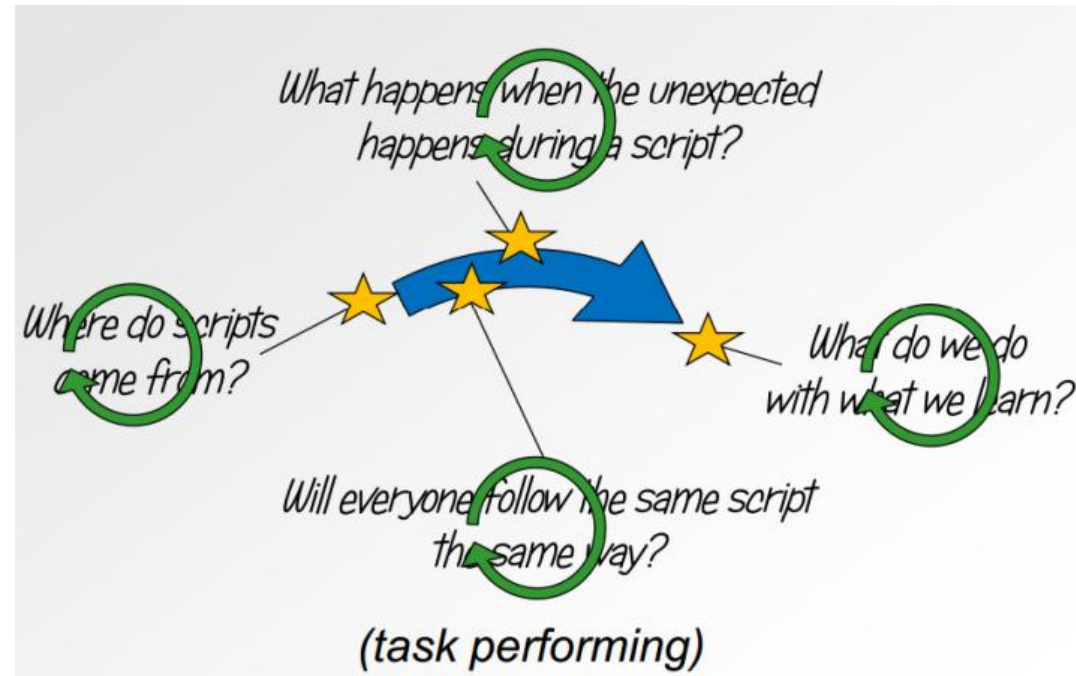
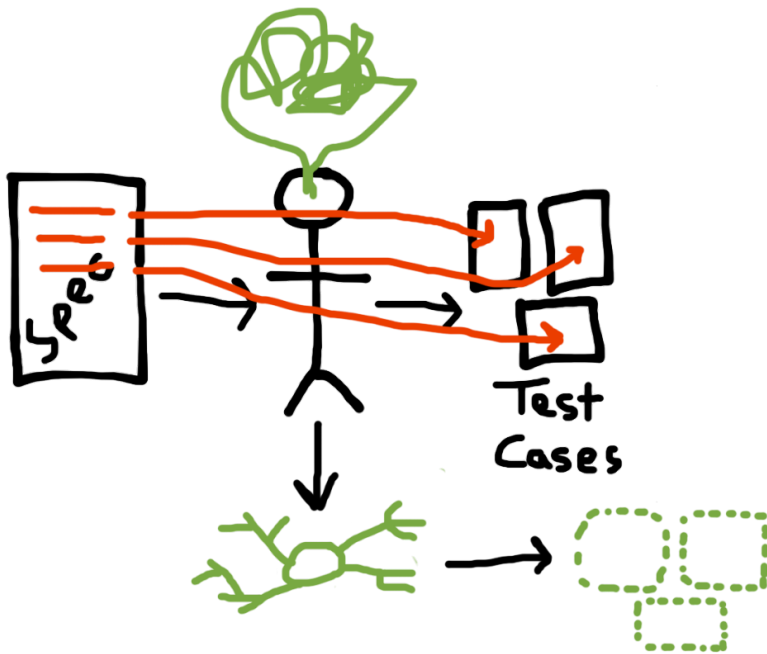
Structure Exploratory Testing in HPQC



<http://jlottosen.wordpress.com/2014/05/23/mindmaps-for-400/>
<http://jlottosen.wordpress.com/2012/03/06/exploratory-test-in-a-nutshell/>

Where does scripts come from

- I predict that this will happen
- I *expect* that this will happen
- The spec's require this...



Adam Howard, Artful Persuasion

Rapid Software Testing, James Bach

Exploratory Testing

...expectations are open. Some results may be predicted and expected; others may not. The tester configures, operates, observes, and evaluates the product and its behaviour, **critically investigating the result, and reporting information that seems likely to be a bug ..**
[Cem Caner]

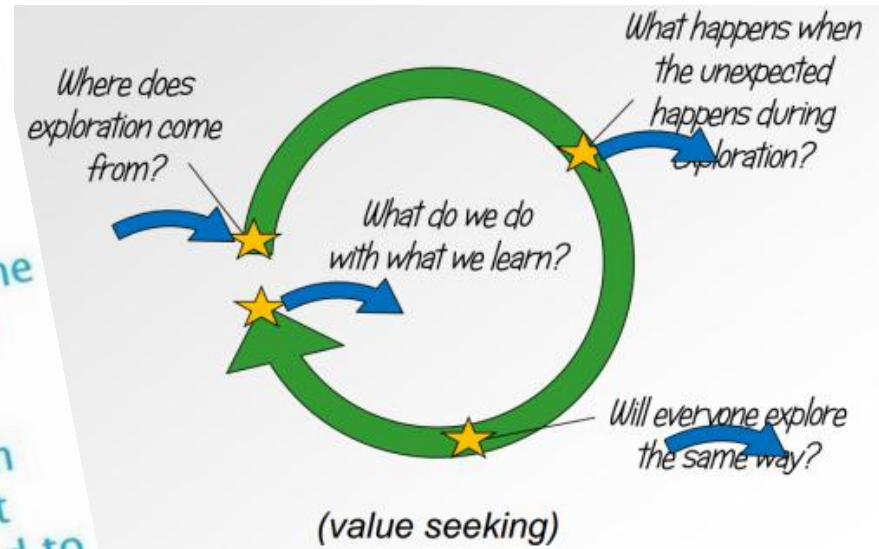
The relevance to testers

Relying on scripts and ticklists assumes that the information we want is under the streetlight.

It assumes that we can know in advance what matters, what we need to look for.

It assumes that the important questions can be answered with a "yes" or "no".

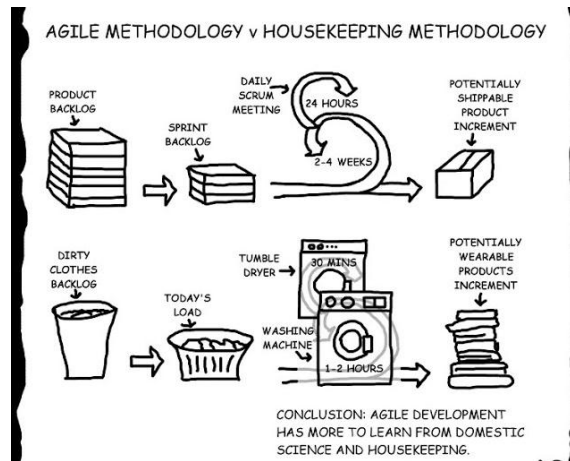
expo:QA¹⁴



Session-based Test Management

Management of Test based on Sessions

- Mission
- Charter
- Sessions
- Debrief



What exploratory Testing is NOT:

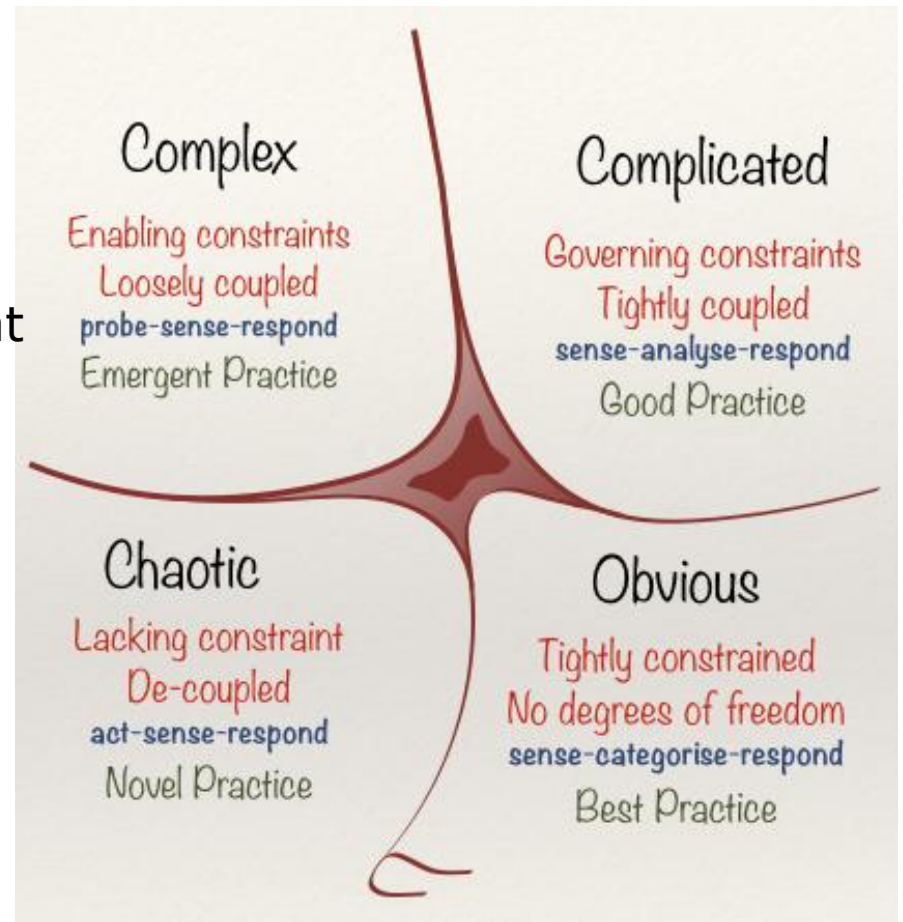
- Series of blog post on "What Exploratory Testing Is Not" by Michael Bolton:
 - Part 1: [Touring](#)
 - Part 2: [After-Everything-Else Testing](#)
 - Part 3: [Tool-Free Testing](#)
 - Part 4: [Quick Tests](#)
 - Part 5: [Undocumented Testing](#)
- [What Exploratory Testing Is Not](#) by James Bach

<http://www.ministryoftesting.com/resources/session-based-test-management/>
<http://www.ministryoftesting.com/resources/exploratory-testing/>

The classic mistake is to approach a **Complex** problem with a checklist designed for an **Obvious** domain. Even if the management believes that the area should be Obvious the underlying reality, the natural domain, may be different.

Known Known	Unknown Known
Known Unknown	Unknown Unknown

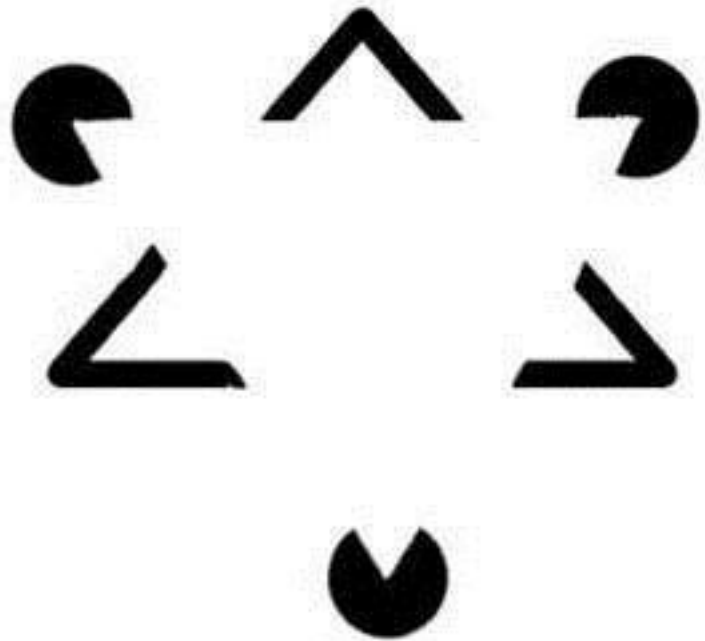
http://jlottosen.wordpress.com/2013/01/02/rumsfeld_rectangle/



<http://clarotesting.wordpress.com/2014/09/11/cynefin-testing-auditing/>

James Christie & Donald Rumsfeld (SecDef)

I want testers to think



Try!
Consider!
Identify!
Analyze!
Think!
Test!

Is the business problem solved?
Are we wiser because of this?

<http://www.ministryoftesting.com/2014/11/closure/>

An ordinary day in the life of William



William starts the day with lots of good energy: bacon, yoghurt and milk.

7:00 a.m.

William takes the train to work.

8:00 a.m.

William goes to the pharmacy during his lunch break.

11.30 a.m.

William takes his rapid-acting insulin in connection with his lunch – while he listens to his favorite music through his new headphones.

12:00 noon

William takes a coffee break and has a look at his pension on the internet.

3:00 p.m.

William is not a happy man. His bicycle is missing.

5:00 p.m.

William logs onto the healthcare portal sundhed.dk using NemLogin to check his medical files.

6:00 p.m.

The family is outgrowing its home and is considering adding on, so William checks out loan possibilities with BRF.

8:00 p.m.

William is looking for new people for his department and checks Jobnet for potential candidates.

9:00 p.m.

PFA
 Arla
 DBS
 Alka
 JobNet
 NemLogin
 BRF-kredit
 Apotekerne
 Novo Nordisk

www.nnit.dk

Every day, every hour, every minute, every second round the clock, year-round, NNIT makes a difference in not just William's life – but in the lives of many people. In any case, we always do our best.

See more at nnit.dk

nnit
 Conscience driven. Value adding

Conscience Driven. Value Adding **nnit**