

The applause you are hearing is for the brilliant rock band AC/DC

Ministerie van Binnenlandse Zaken en Koninkrijksrelaties

Senior Advisor CIO-office

I ❤️ Exploratory Testing

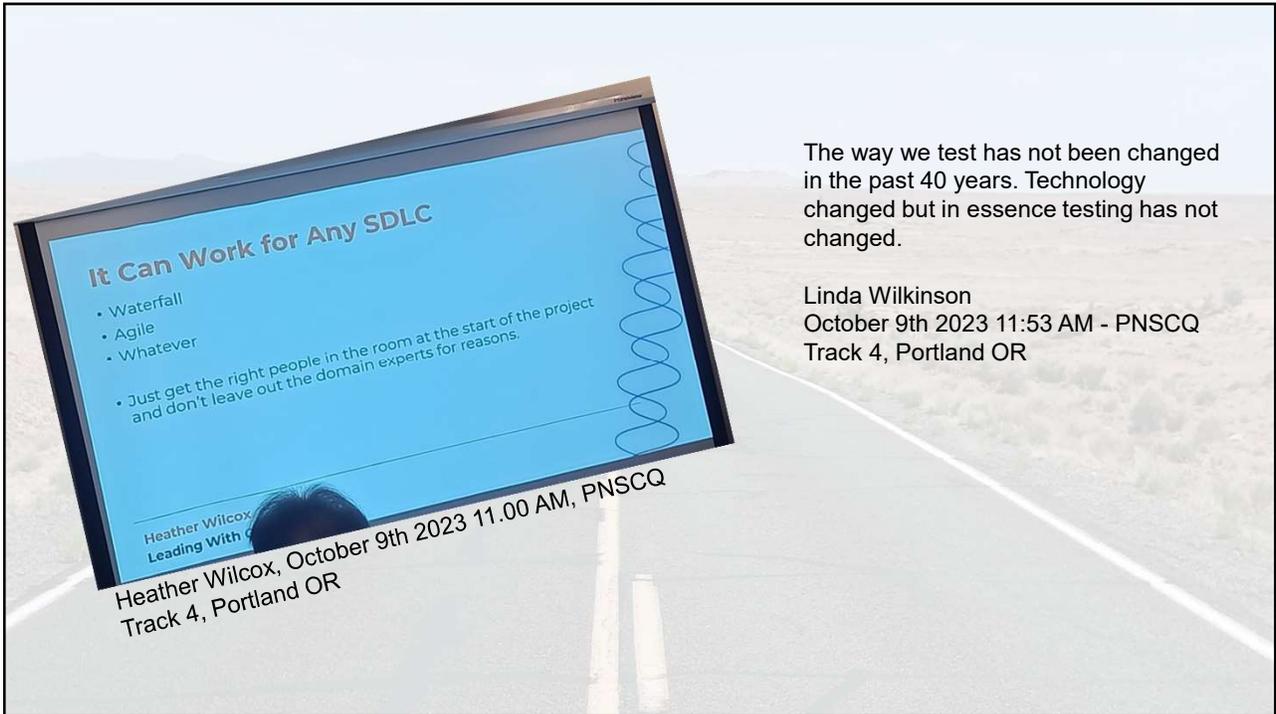
De kleine CMMI voor onsland  
Kwaliteitszorg in ICT-projecten  
Software Process Improvement  
Succes met de requirements!  
The little TMMi  
BASISKENNIS REQUIREMENTS

Disclaimer 1: the content in this keynote is my personal opinion, it is not necessarily the opinion of my employer

Disclaimer 2: special thanks to Wendy Bruin



# Why this keynote?



The way we test has not been changed in the past 40 years. Technology changed but in essence testing has not changed.

Linda Wilkinson  
October 9th 2023 11:53 AM - PNSCQ  
Track 4, Portland OR

## It Can Work for Any SDLC

- Waterfall
- Agile
- Whatever
- Just get the right people in the room at the start of the project and don't leave out the domain experts for reasons.

Heather Wilcox  
Leading With  
Heather Wilcox, October 9th 2023 11.00 AM, PNSCQ  
Track 4, Portland OR

# The top 10 bad practices

And how to deal with them

The managers/Scrum masters decide on the way of working



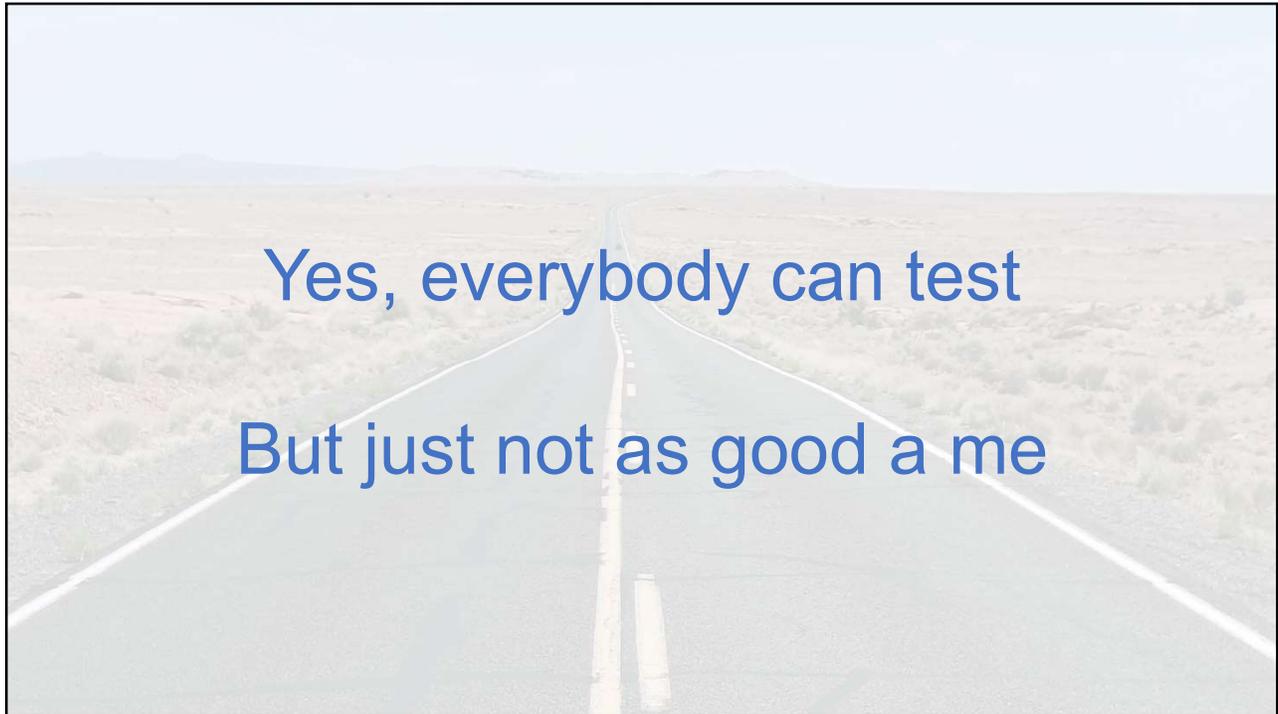
How to deal with this kind of managers / Scrum Masters



**I didn't know you  
have in-depth  
knowledge and  
experience with  
testing.**

Managers all organizations: trust your engineers!

**We don't need testers,  
the developer and user / PO will test**





We will test in production



**ONE DOES NOT SIMPLY**

**TEST IN PRODUCTION!**

makeameme.org

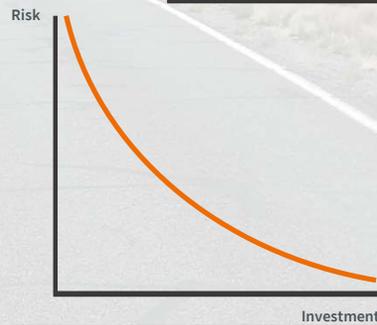
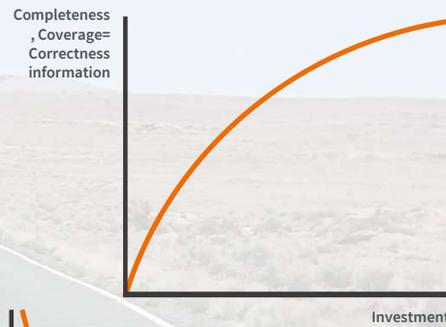
# Speed up testing!



# Speed up testing

**WHEN A CLIENT WANTS A 1 MONTH JOB DONE IN 1 WEEK**

**SHOW HIM THIS VIDEO**



We only use standard components



We only use standard components



We only use standard components

Unit test vs. Integration test



We only use standard components

Unit test vs. Integration test



# We only use standard components

## Unit test vs. Integration test



# Automate everything

Infinite amount of tests

Valuable tests

Tests that you want to do more than once

Tests that you want to do once

Tests you can automate

Tests you want to automate

Based on 'Implication of emphasis on automation in CI' - Martin Jansson  
<http://thetesteye.com/blog/2017/03/implication-of-emphasis-on-automation-in-ci/>

Test is only bug hunting

Bug Hunt Safari  
is fun!

The screenshot shows the SourceForge page for 'Task Coach'. At the top, there is a search bar and navigation links for 'Browse', 'Enterprise', 'Blog', and 'Deals'. Below this, there are links for 'SOLUTION CENTERS', 'Go Parallel', 'Resources', 'Newsletters', 'Cloud Storage Providers', and 'Business VoIP Provid'. The main heading is 'Task Coach' with a sub-heading 'Free flexible open source todo manager featuring hierarchical tasks' and 'Brought to you by: m1essink, fraca7, wolftune'. There are tabs for 'Summary', 'Files', 'Reviews', 'Support', 'Documentation', 'Code', 'Patches', and 'Support Requests'. The 'User Ratings' section shows a 4.9 out of 5 stars rating with a bar chart. The chart shows 95 total ratings, with 3 for 5 stars, 0 for 4 stars, 0 for 3 stars, 0 for 2 stars, and 3 for 1 star. To the right of the bar chart, there are sub-ratings for 'Ease', 'Features', 'Design', and 'Support', each with a 4/5 rating.

Testing is not about finding bugs

The supplier will test / it is a COTS system

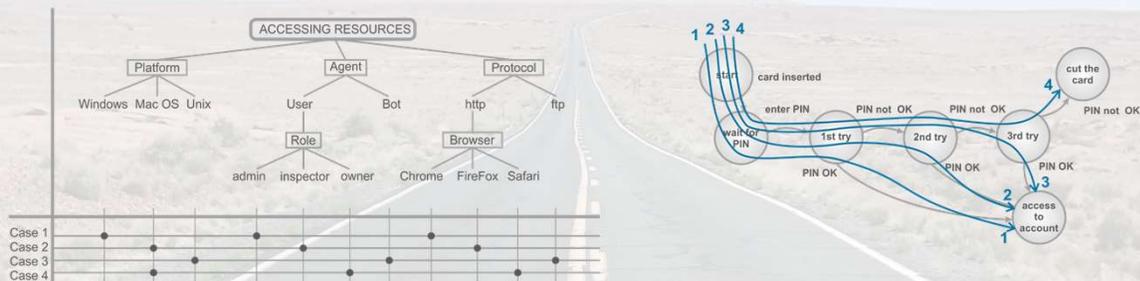


## We don't need Test Design Techniques



Quality metric for testing:  
Test Coverage

## Test Design Techniques



- I thought we were going to do this professionally?
- How are we going to know the quality of our testing (if we don't use techniques)?

## Bad practices in testing

- The manager decides on the way of working
- The development and users will test
- Lets testing in production be the only testing
- Speed up testing!
- Testing should be cheaper
- We only use standard components
- Automate everything
- Testing is only bug hunting
- The supplier will test / it is a COTS system
- No use of test design techniques

**Keep looking tough**

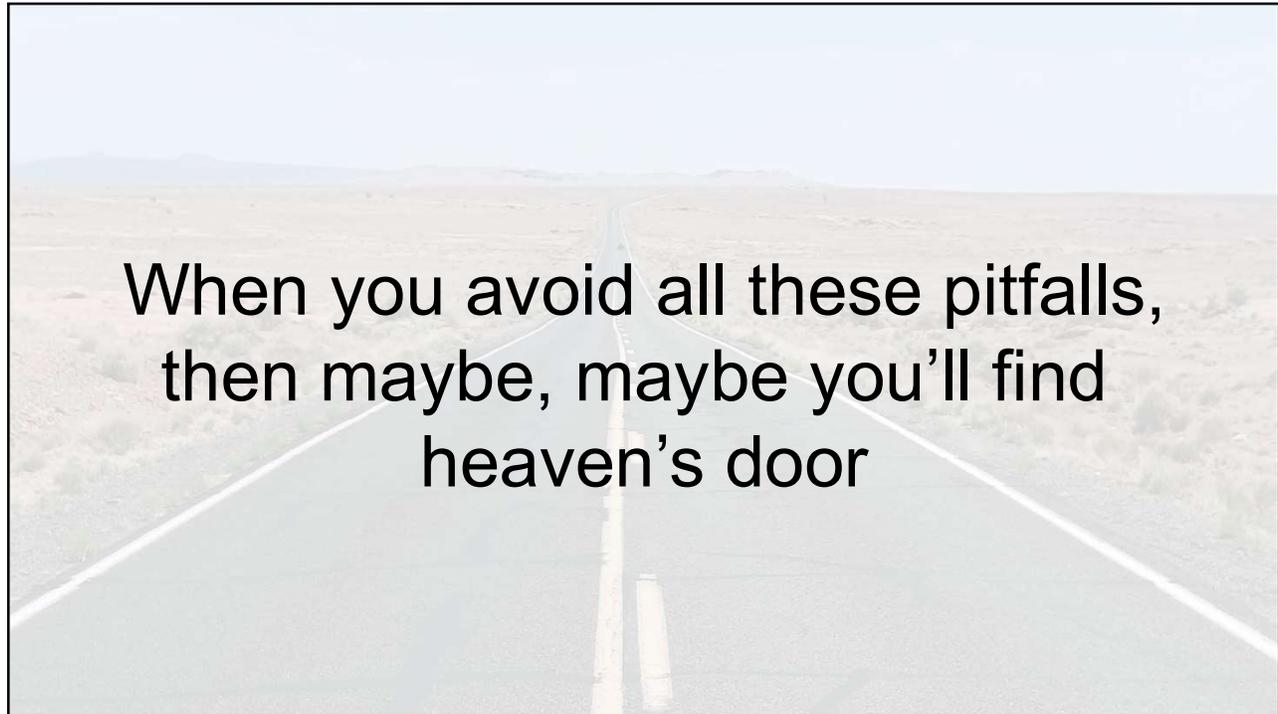
**Testing is a profession**

**Always keep in mind**

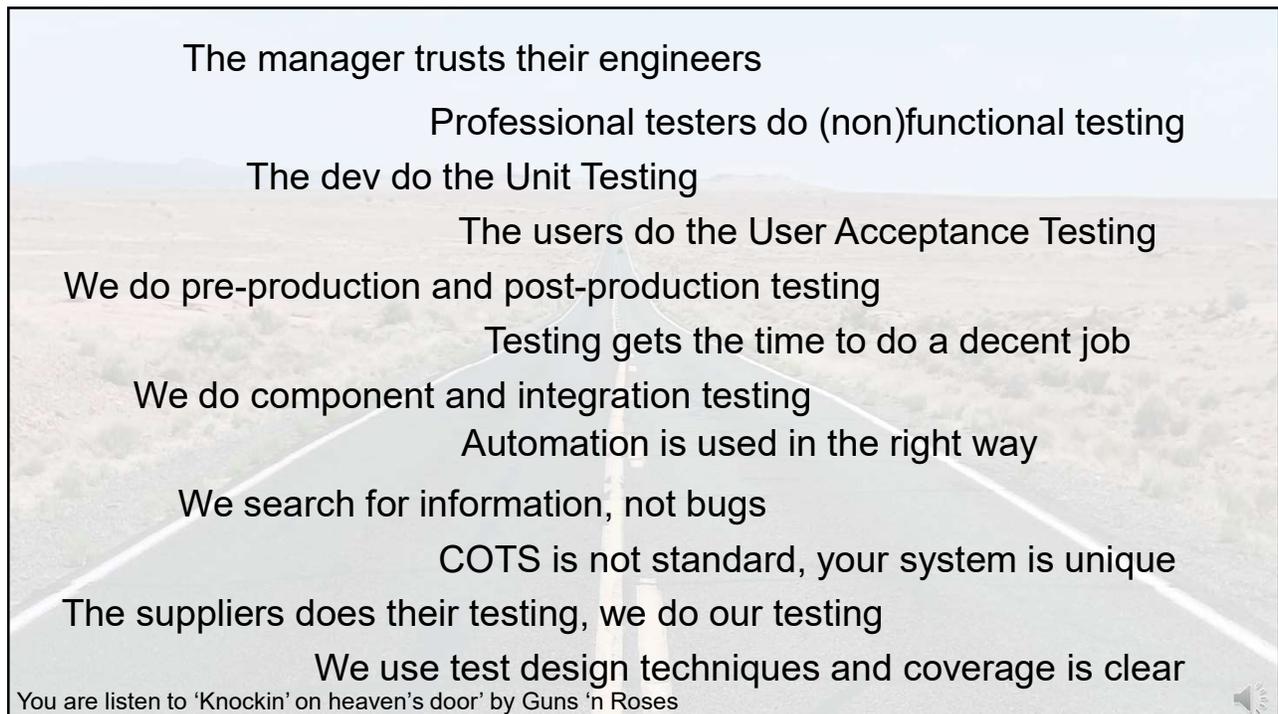
**ABATE**

**(Always be able to  
explain)**

**Communication is king**



When you avoid all these pitfalls,  
then maybe, maybe you'll find  
heaven's door



The manager trusts their engineers

Professional testers do (non)functional testing

The dev do the Unit Testing

The users do the User Acceptance Testing

We do pre-production and post-production testing

Testing gets the time to do a decent job

We do component and integration testing

Automation is used in the right way

We search for information, not bugs

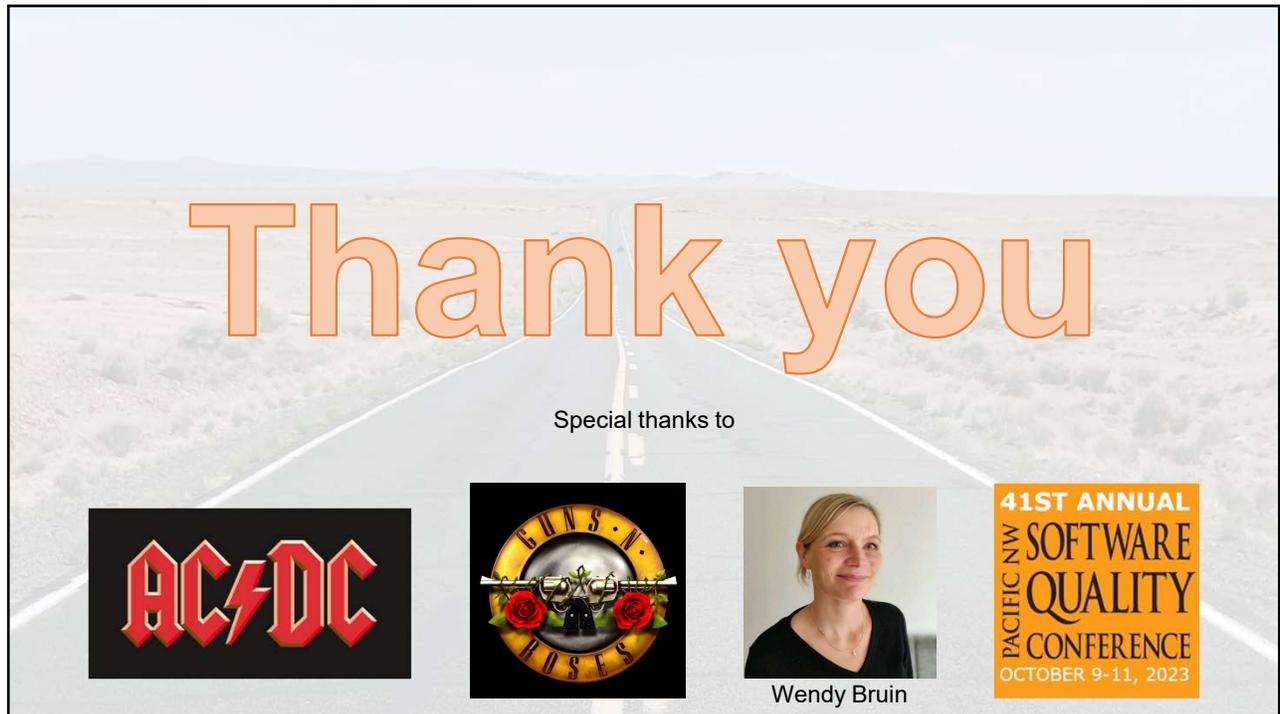
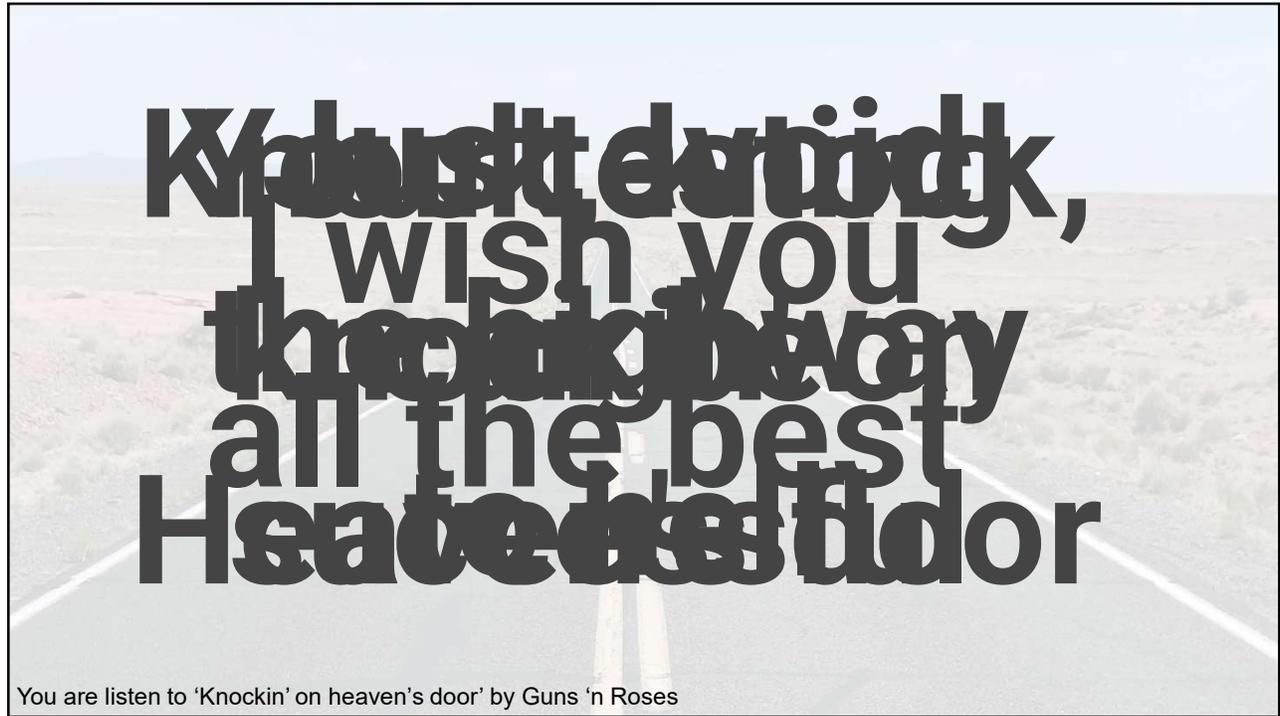
COTS is not standard, your system is unique

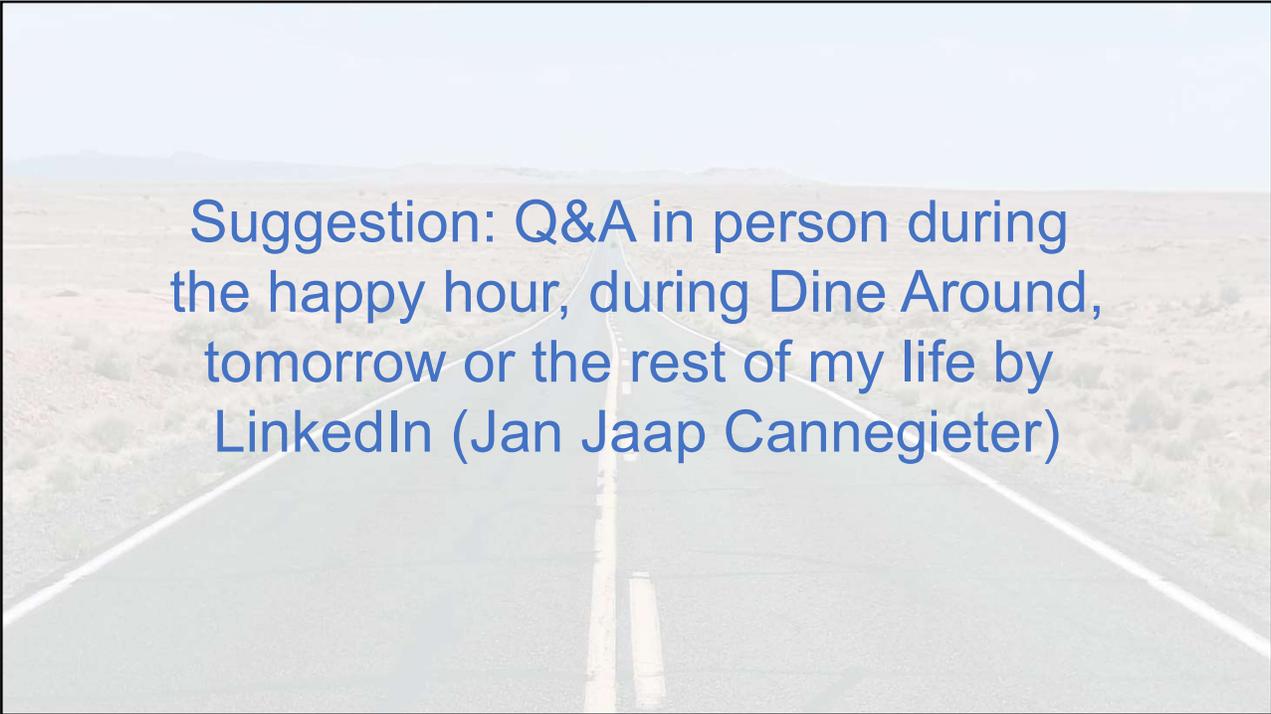
The suppliers does their testing, we do our testing

We use test design techniques and coverage is clear

You are listen to 'Knockin' on heaven's door' by Guns 'n Roses







Suggestion: Q&A in person during the happy hour, during Dine Around, tomorrow or the rest of my life by LinkedIn (Jan Jaap Cannegieter)