



Thijmen de Gooijer, ABB Corporate Research

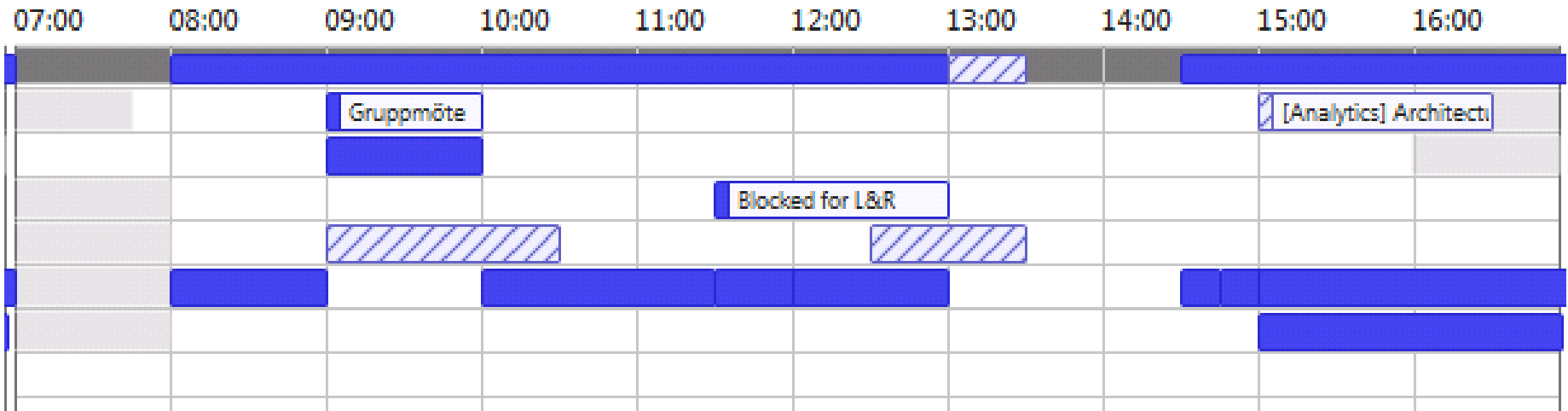
Quality Requirements on a Shoestring



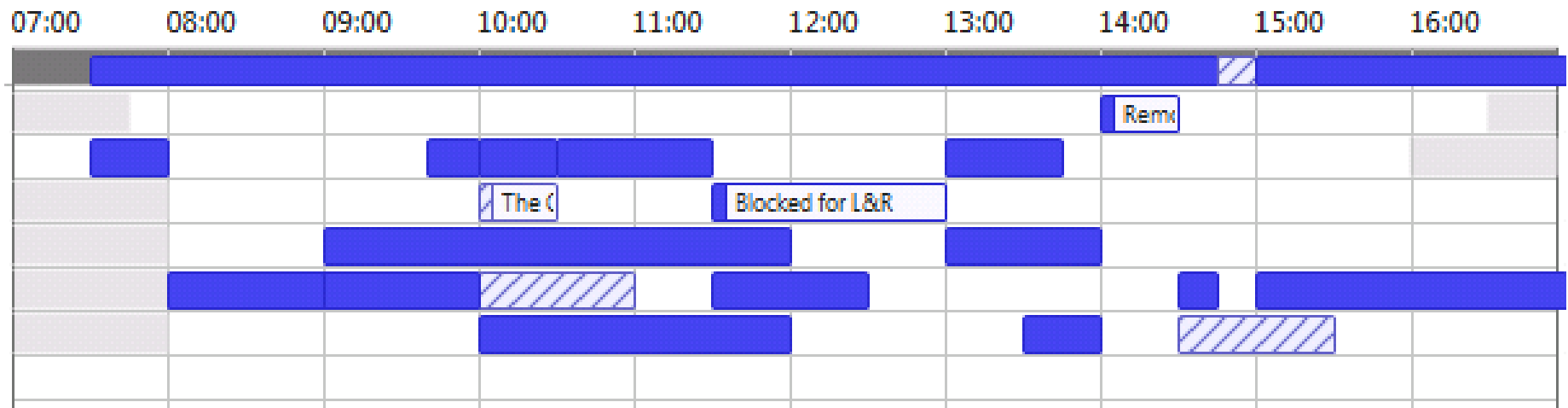
Who Are You?



Stakeholder Conflict



Scheduling a Workshop





Travel Budget





On a Shoestring

Previously at SATURN








Facilitating the Mini-Quality Attributes Workshop

A Lightweight, Architecture-Focused Method

Will Chaparro
IBM
@wmchaparro

Michael Keeling
IBM
@michaelkeeling

The Traditional QAW

1. QAW Introduction  Keep it short
2. ~~Business/Mission Presentation~~
3. ~~Architectural Plan Presentation~~  Skip
4. ~~Identification of Architectural Drivers~~  Skip
5. Scenario Brainstorming  Modify
6. Scenario Consolidation  Modify
7. Scenario Prioritization  Modify
8. Scenario Refinement  Homework

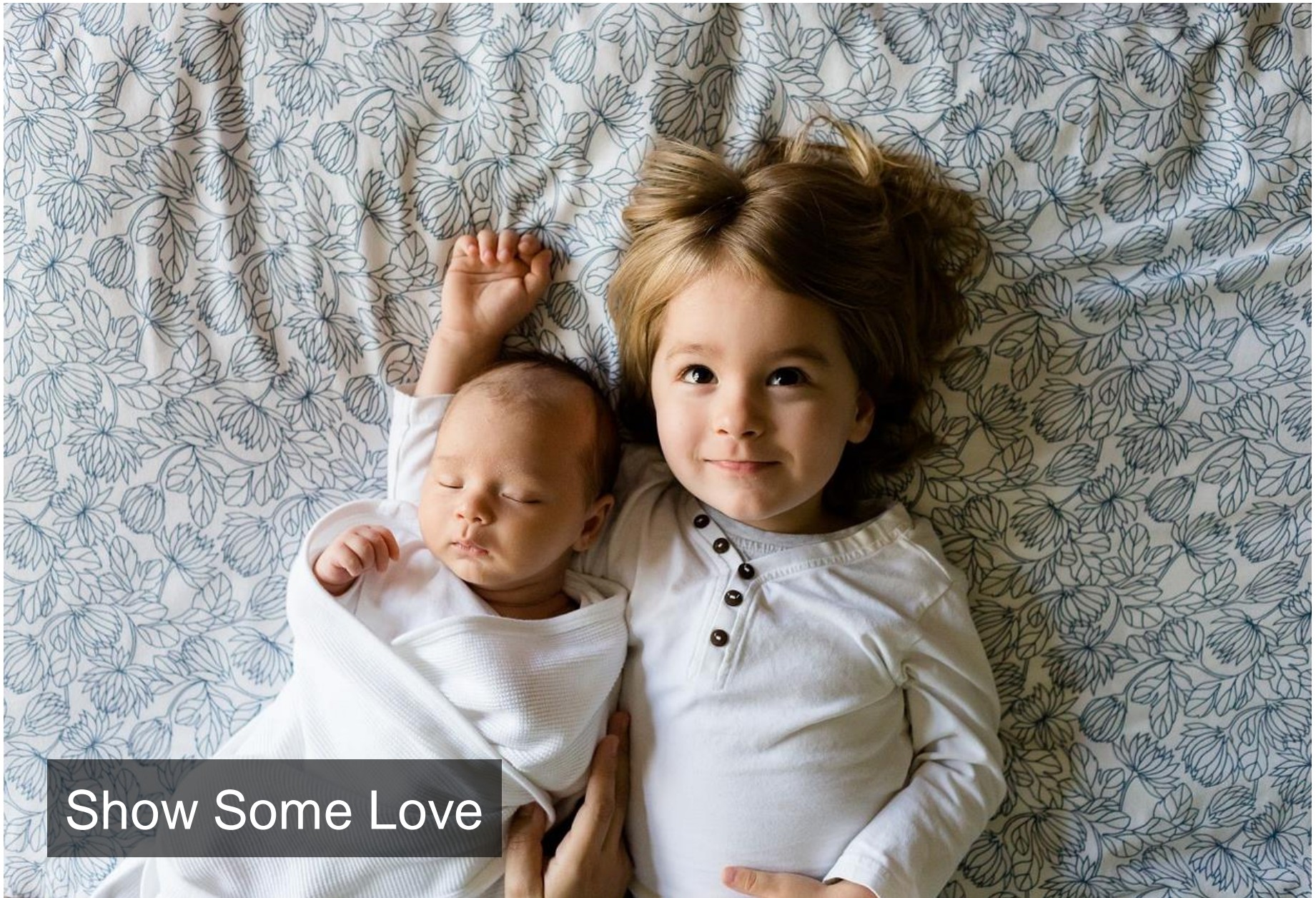
Shorten Agenda

Mini QAW 2.0

Mini QAW 2.0 Agenda

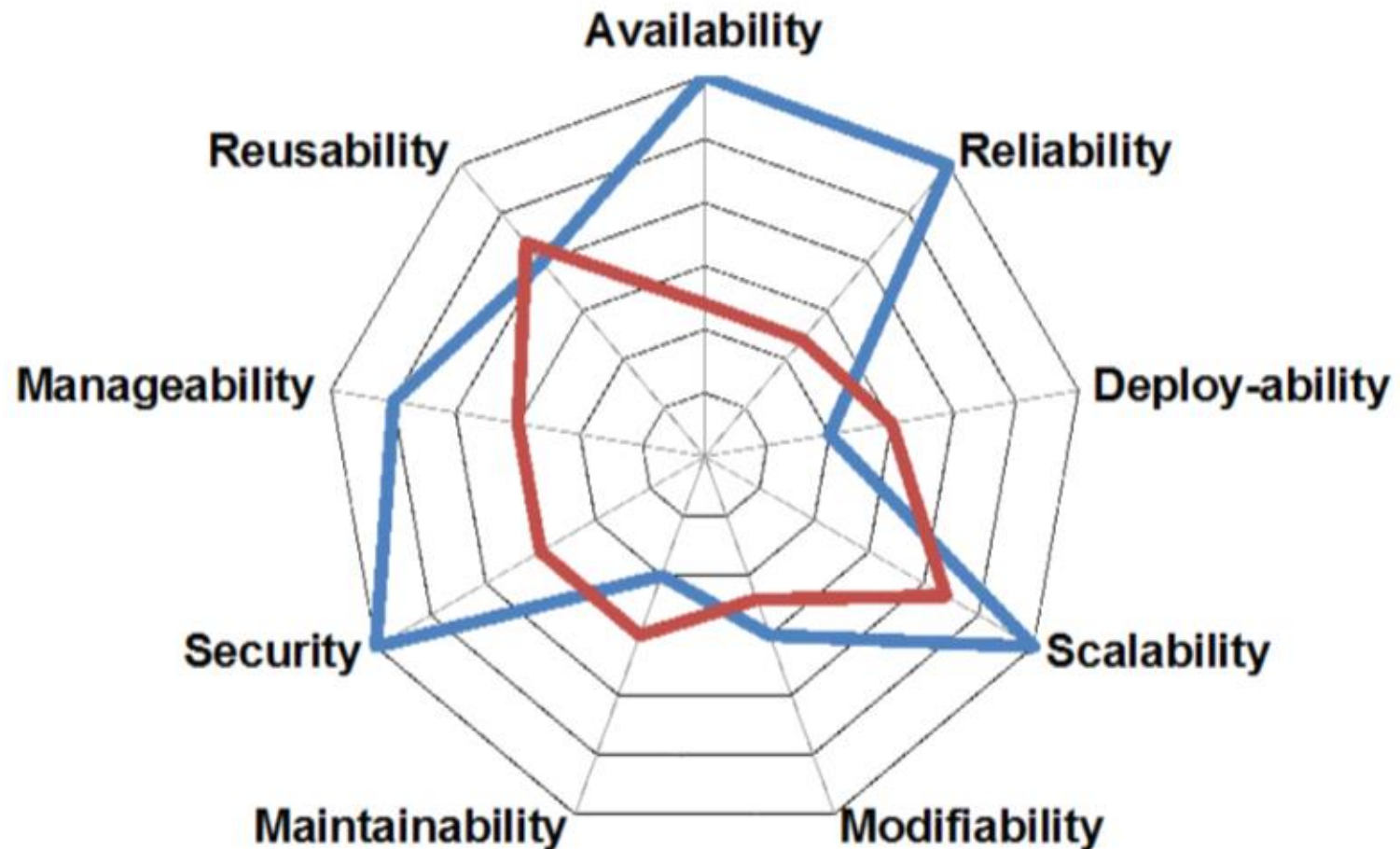
1. Introduction
 - Why are we here?
 - System vision
2. Stakeholder empathy exercise **New**
3. Scenario brainstorming
4. Raw scenario prioritization

5. Scenario refinement
6. Review high priority scenarios



Show Some Love

Same Properties, Different Stakeholders



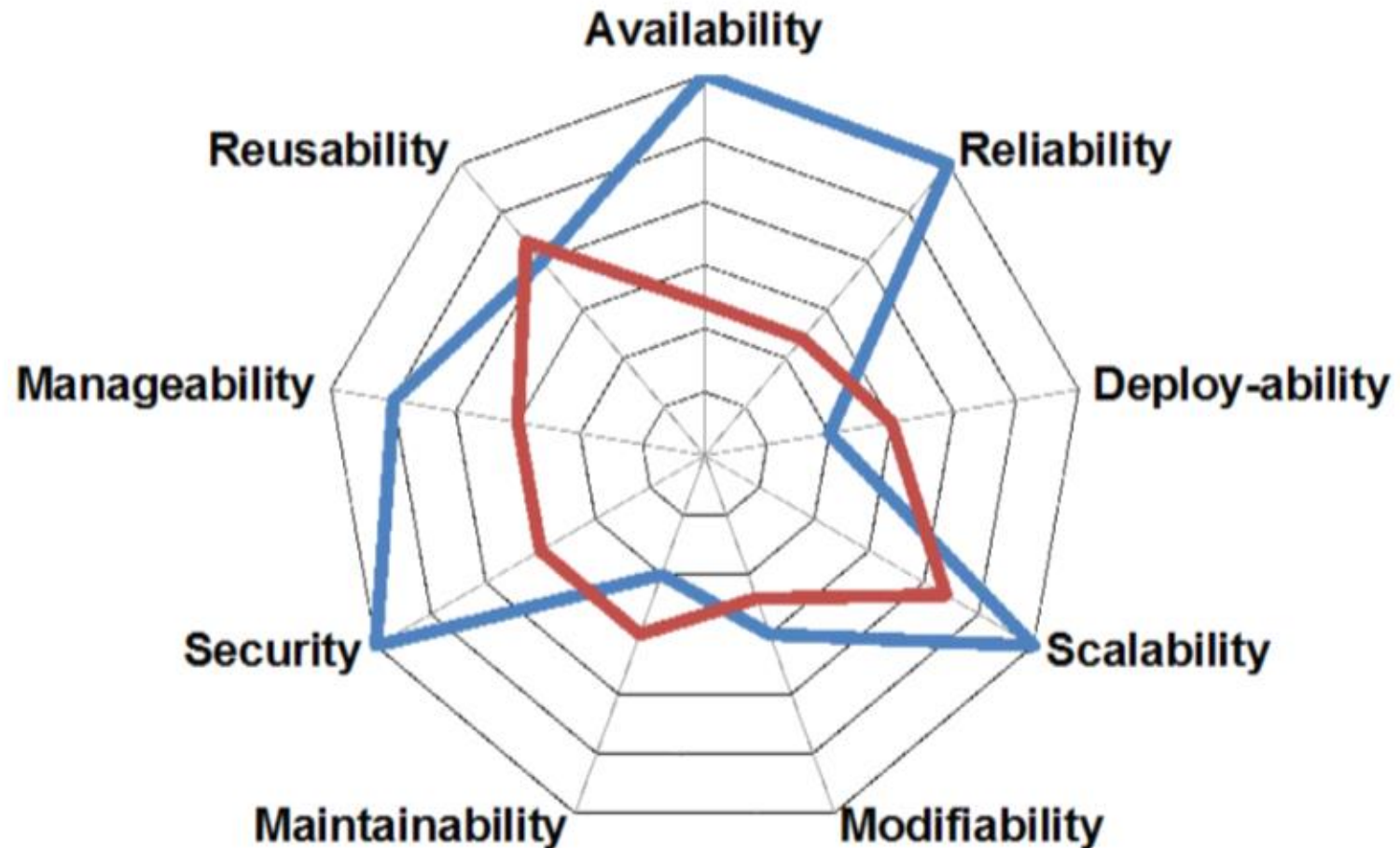
Stakeholder Empathy Exercise

1. Brainstorm: who are the stakeholders?
2. All pick a stakeholder who is not on the workshop
3. Estimate priorities for selected stakeholder
4. Propose one (or more) important scenario(s)

Stakeholder Brainstorm

- Project Leader
 - Business Manager
 - End customer
 - Sales agent
 - OEM partner
 - ...
 - ...
- Service provider
 - ...
 - ...
 - ...
 - ...

Same Properties, Different Stakeholders



Walk System Properties Web

Objective: Identify and prioritize raw quality attribute scenarios.

Time Limit: [30 minutes to 2-3 hours]

This slide is shown during the workshop

Guidelines and hints:

Put the sticky close to related attributes

Don't worry about creating formal scenarios

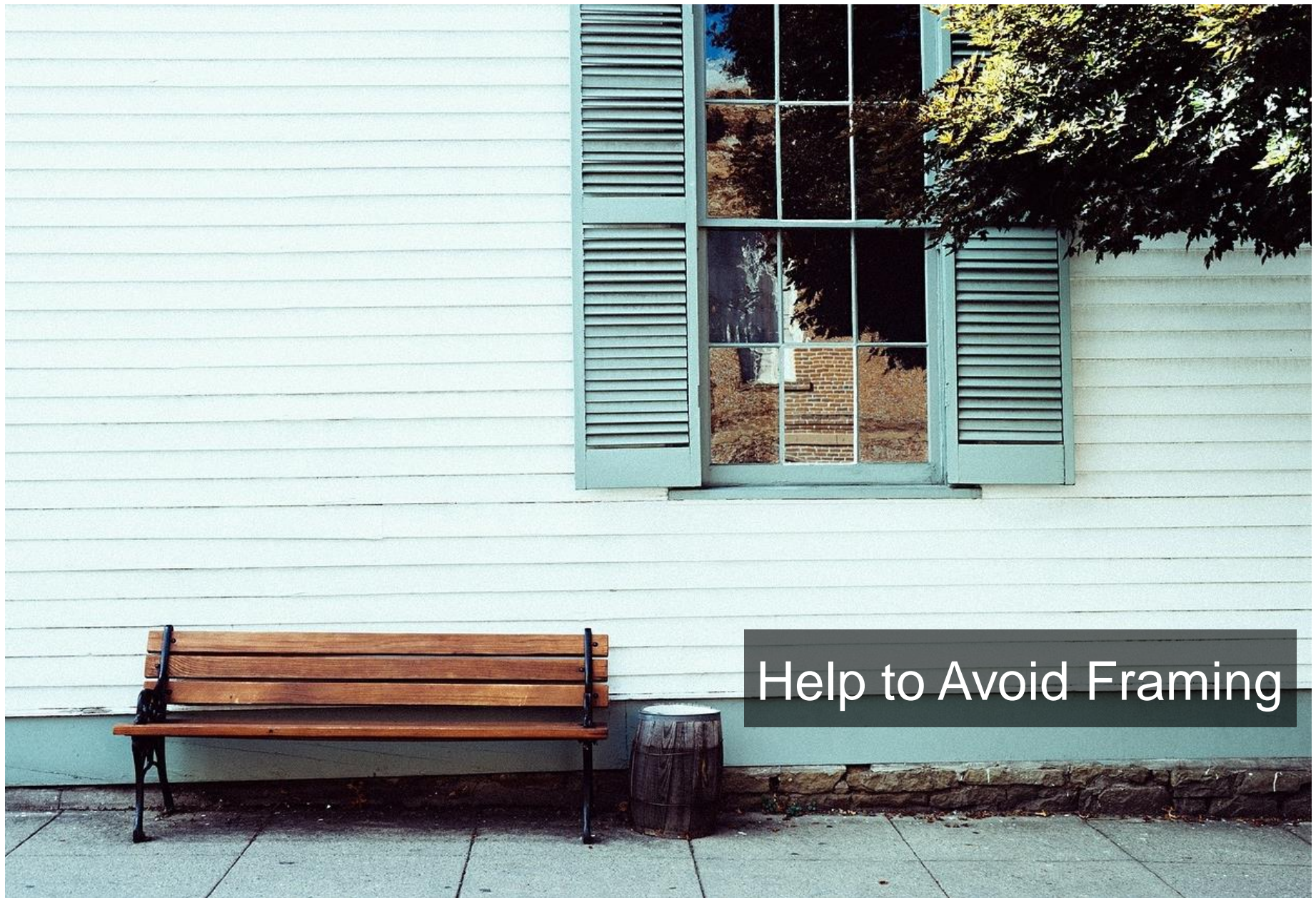
Think about stimulus, response, environment

What are you worried about?

Watch out for features and functional requirements!

Create 1-2 Scenarios

??



Help to Avoid Framing



Facilitating the Mini QAW 2.0 with Microsoft Lync

A photograph of a person's hands clasped together on a light-colored wooden desk. In the foreground, there are two laptops: a black HP on the left and a silver MacBook in the center. A black smartphone lies on the desk between the laptops. To the right of the hands, there is a red and white marker and a small stack of sticky notes. In the background, another white laptop is visible. The scene is set in a workshop or meeting environment.

Equal Footing

PRESENT

ONENOTE

ATTACHMENTS



No one is presenting.



Desktop



Program



PowerPoint



Whiteboard



Poll


Manage Presentable Content



Sharing Options

Conversation (2 Participants)

Call ended.


 sip:johnau6@client Inactive
PROGRAMMING WRITER 26

THURSDAY, APRIL 19, 2012

JOHN AUSTINS 3:29:28 PM

Hello, I would like to share something with you.

Project Plan



Green Plants

Collaborative Annotation

Stakeholders

Service R&D manager

R&D PL

Development lead

Product manager

Field operator

Hardware manager

Operations



Back-office (tech support)

Project manager

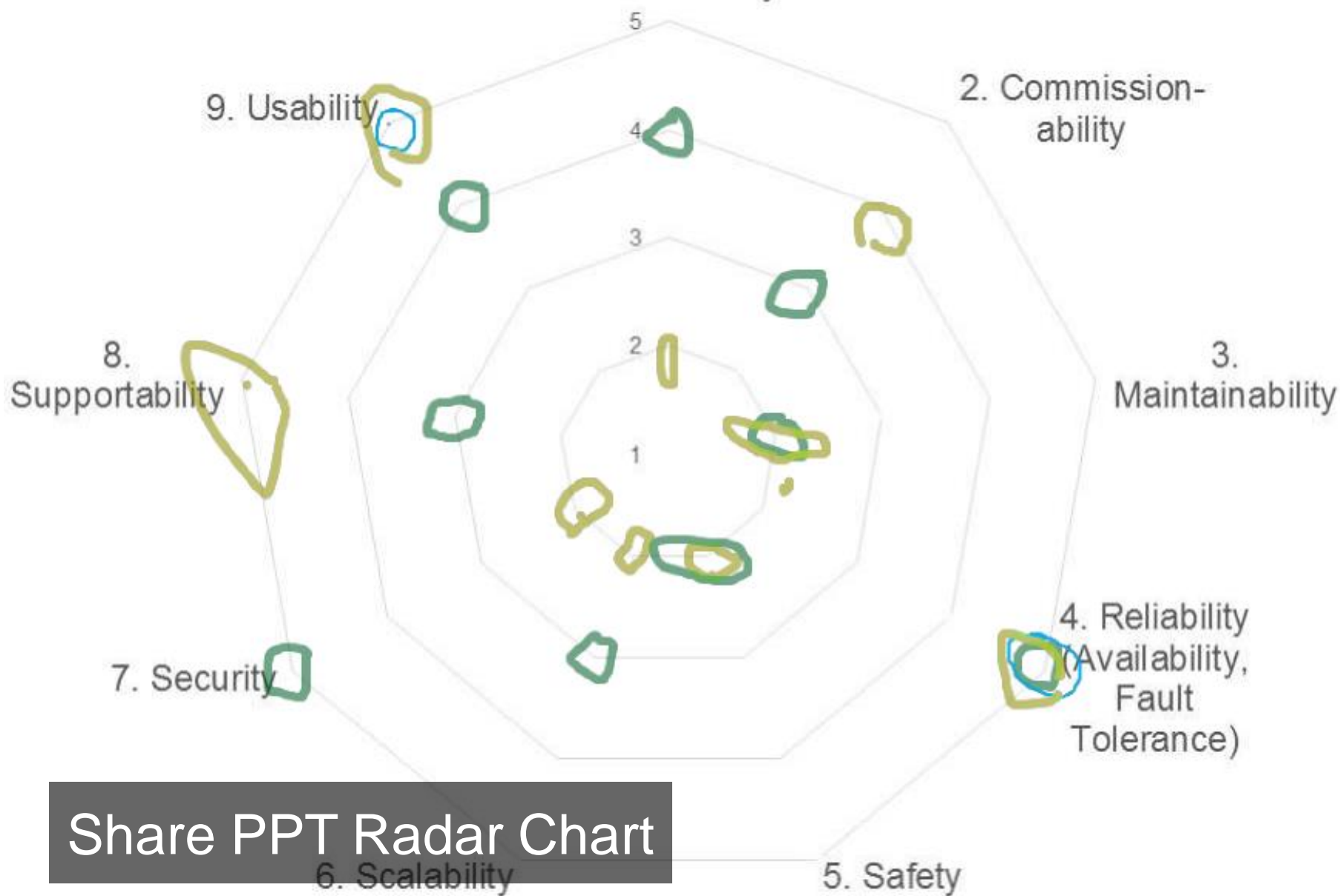
...

partners (value providers)

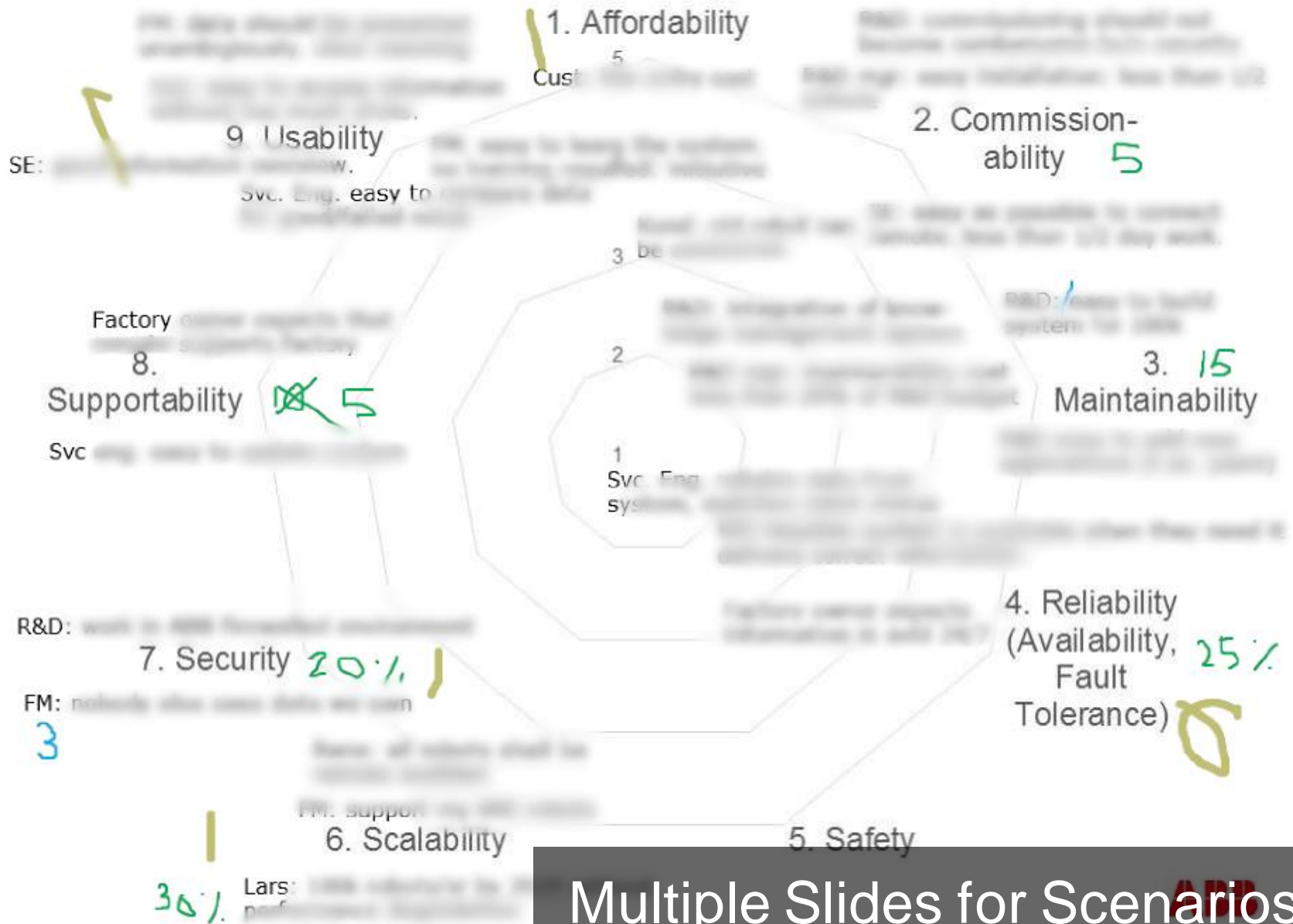
Whiteboard Brainstorm

ABB

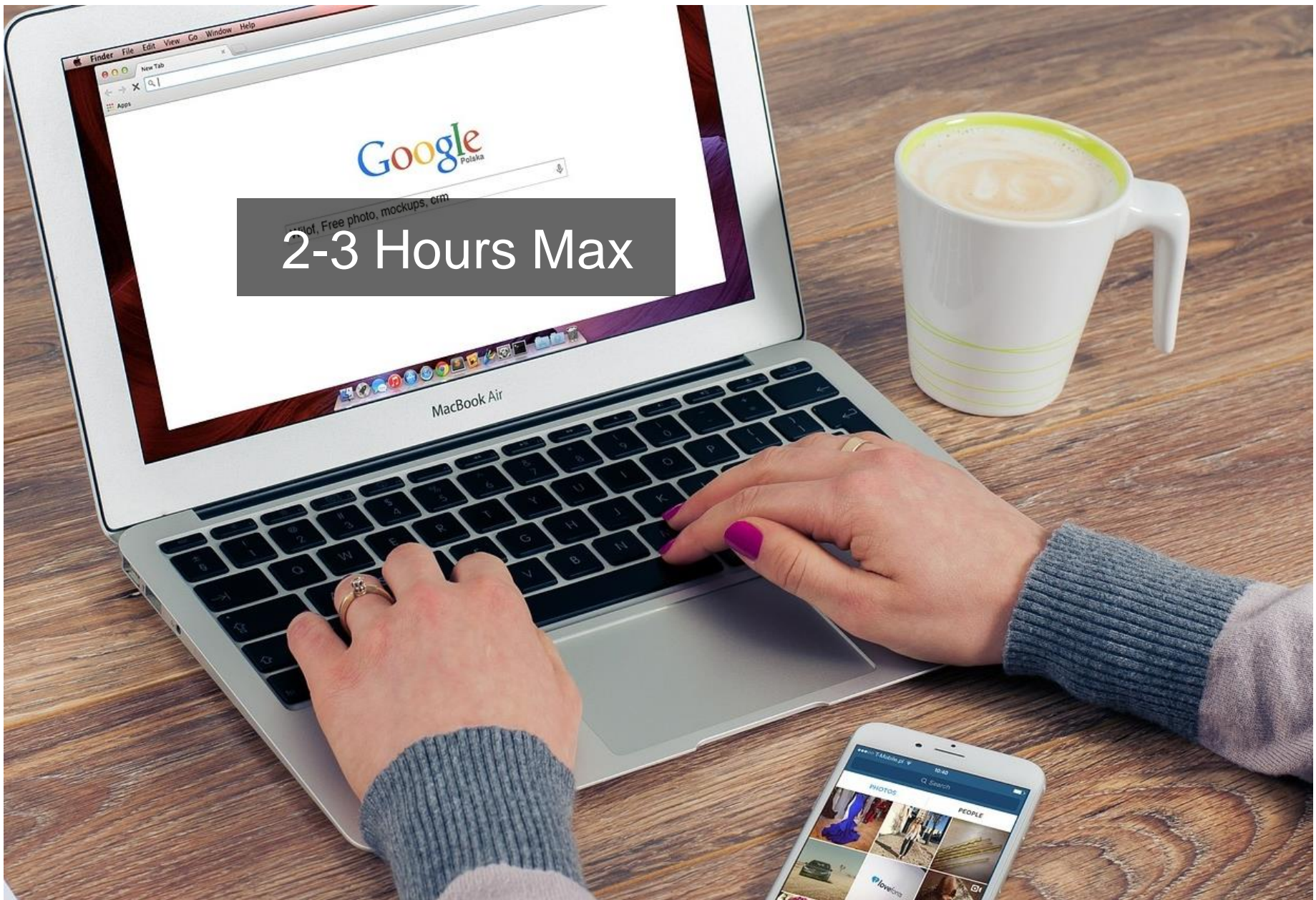
ABB



Share PPT Radar Chart



Multiple Slides for Scenarios



Reflections

- It-works-for-me TM
- Take responsibility for by-product (functional requirements)
- Meet tête-à-tête to clarify
- Get consensus on high-priority scenarios
- Mock-ups/prototypes can help scenario generation
- Must pick qualities to include on the web

References

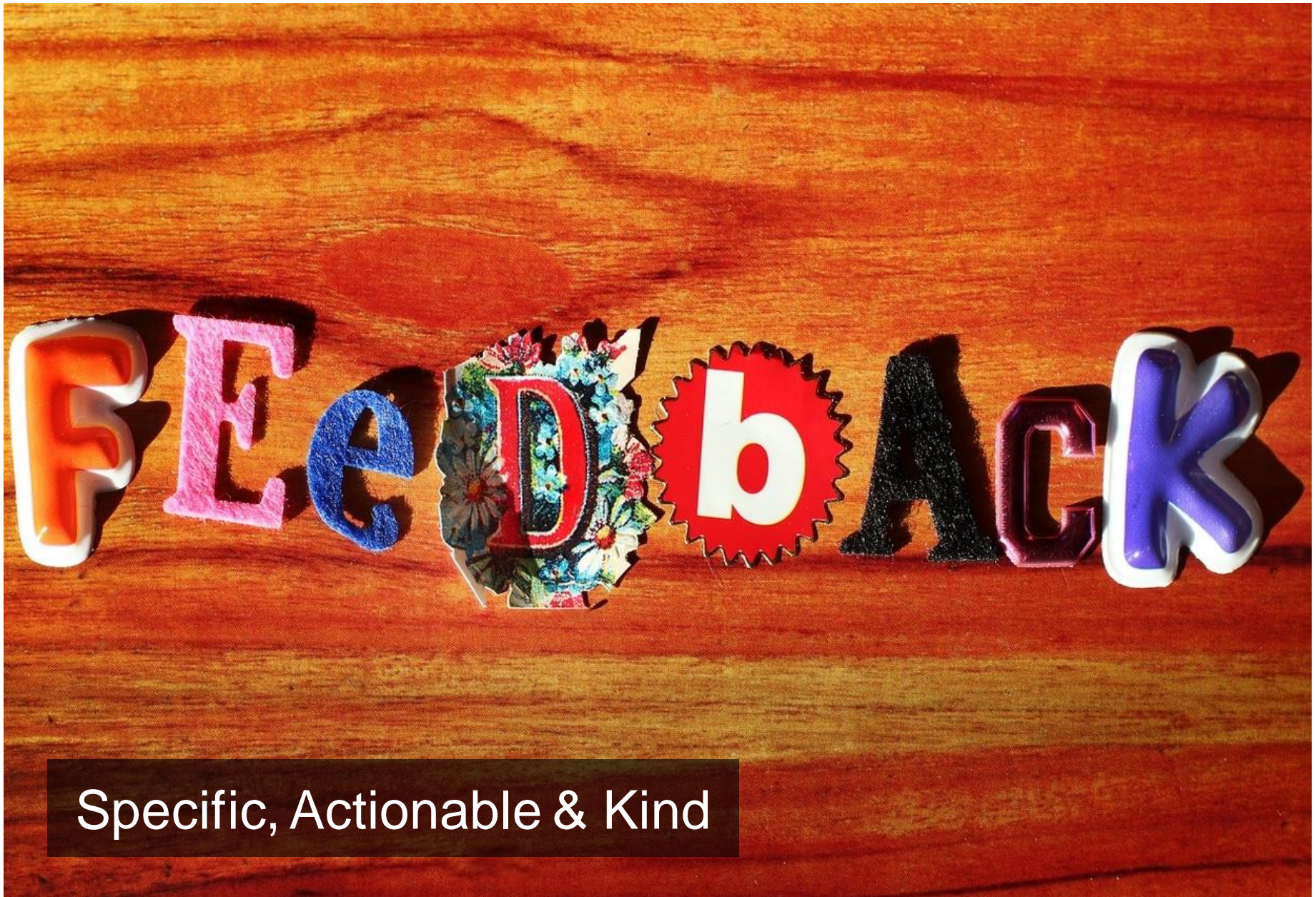
- *“Facilitating the Mini-Quality Attributes Quality Workshop”*, by Will Chaparro and Michael Keeling, SATURN Conference 2014
- Talk:
<https://www.youtube.com/watch?v=vPGyPRFx0mk>
- Slides:
https://resources.sei.cmu.edu/asset_files/Presentation/2014_017_101_89563.pdf



Right Decisions: Intuition or Facts?

Power and productivity
for a better world™





Specific, Actionable & Kind