



M A P P I N G Y O U R
W O R K A S A K A N B A N
S Y S T E M



MAY 2017

London Limited WIP Society

#LonLWS

NADER TALAI

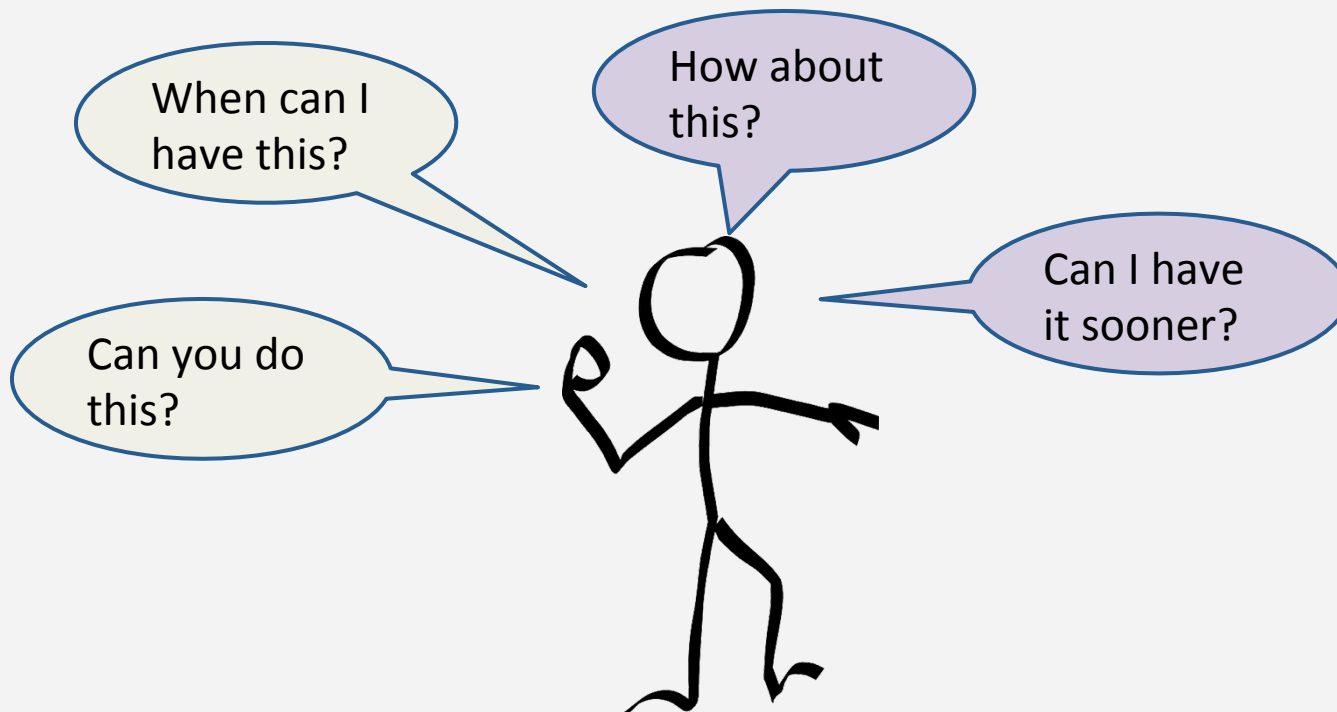


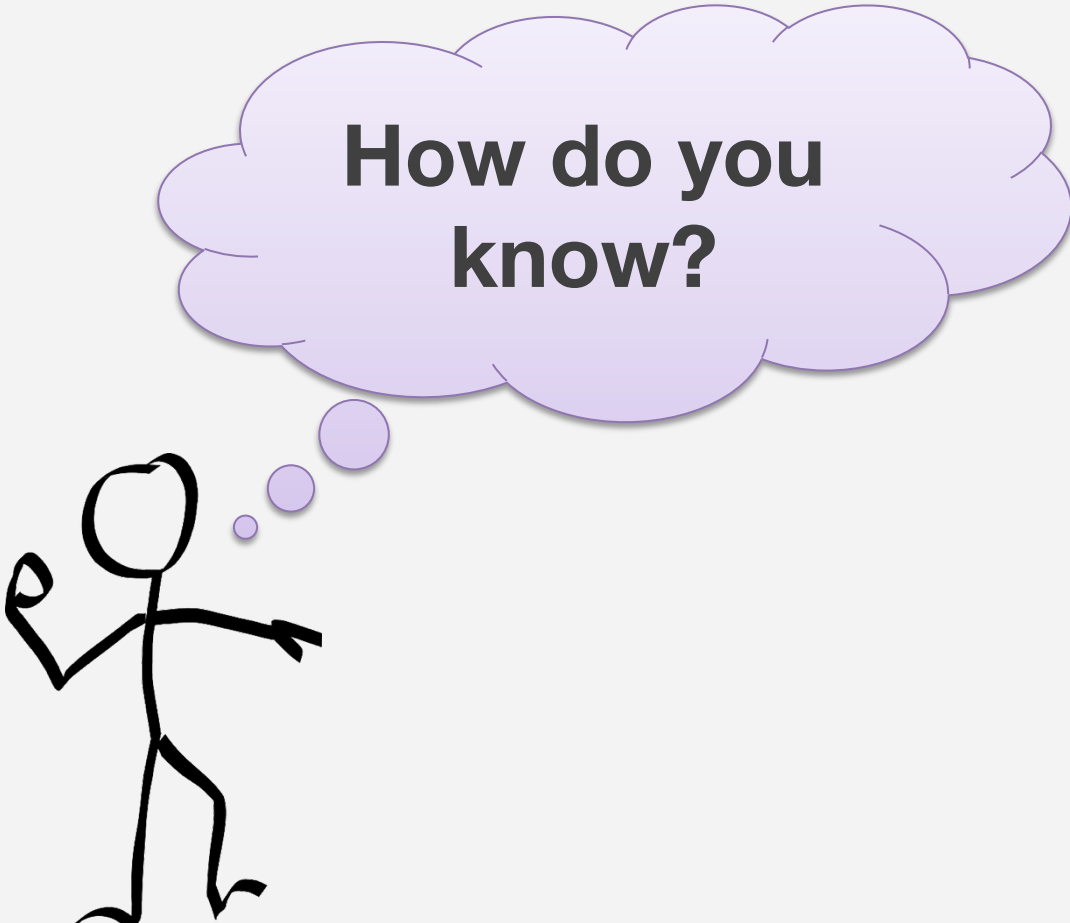
- 1 Mapping the major knowledge discovery steps
- 2 Visualising the flow as a virtual Kanban system
- 3 Limiting Work In Progress (WIP)
- 4 Key Delivery measures





When you are asked ...






**How do you
know?**



1



MAPPING THE MAJOR KNOWLEDGE DISCOVERY STEPS



Visualise to see your value
flow

[http://www.valueglide.com/kanban-
system-mapping](http://www.valueglide.com/kanban-system-mapping)

WORKBOOK

Visualise to see your value
flow

<http://www.valueglide.com/kanban-system-mapping>





2

VISUALISE THE FLOW AS A VIRTUAL KANBAN SYSTEM

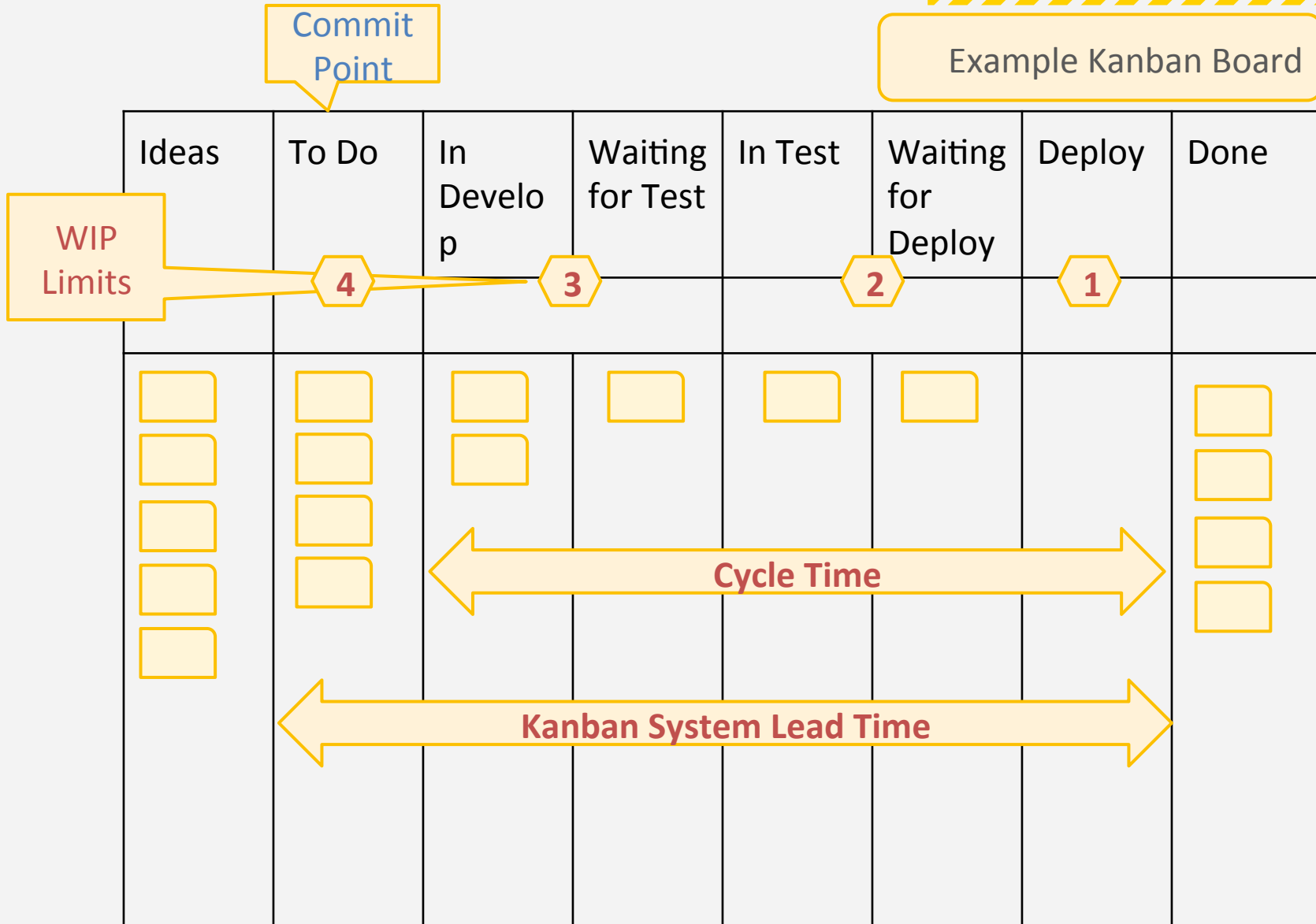


In knowledge work, we use tokens to represent work.

We have a virtual kanban system.

We refer to these tokens as kanbans.

Example Kanban Board





3

LIMIT WORK IN PROGRESS

Unless we limit the work in progress we do not have a pull system.

A kanban system limits the work in progress by limiting the number of kanbans.

Making your policies explicit and visible, for example

- When do we start new work
- What is the selection criteria
- What is the WIP limit?

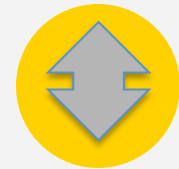
Do you have enough work? Starved/Flooded?



WIP Policies

There are many options, some of the most commonly used ones

- Per state
- Per swim lane
- Per board
- Combinations of the above
- conwip



4

DELIVERY MEASURES



FOUNDATIONS FOR
S U C C E S S

For each work item type, measure

- Customer lead time
- Kanban system lead time
- Cycle time
- Work item ageing
- Delivery rate
- Failure demand

DELIVERY MEASURES



Explaining Larry's scatter histogram chart



Why coverage is better than mean plus sigmas

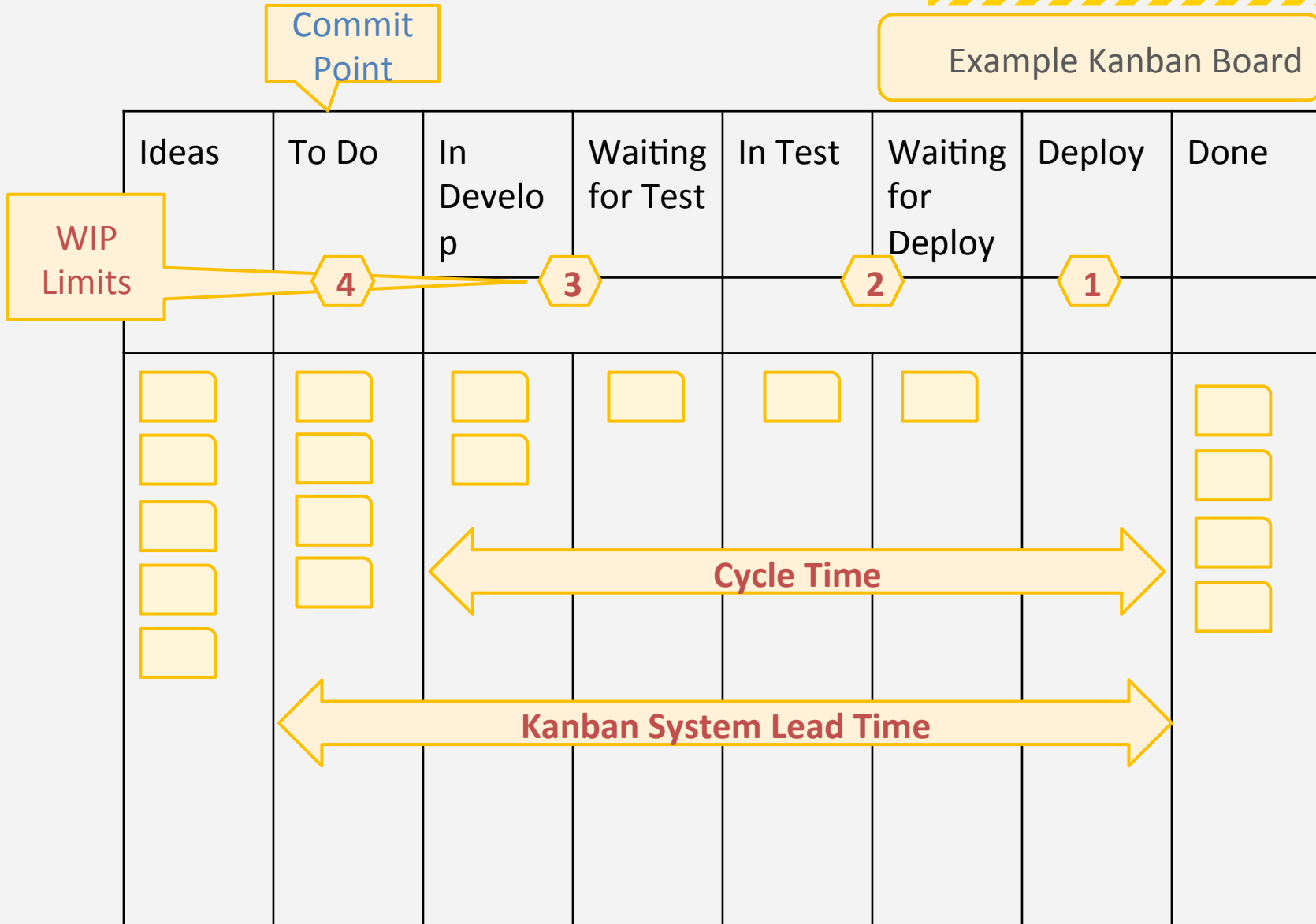
Larry Maccherone

I'm proposing that we shy away from manufacturing derived SPC and asymmetric (Poisson) probability distribution modeling of cycle/lead times. Rather, I'm proposing that we focus on relatively simple metrics, visualizations, and statistics that will help software and system development organizations make better decisions. What we lose in terms of statistical sophistication, we gain in ease of understanding and decision/discussion enabling power.

Measure Work Item Ageing

Project = ABC and status in (“In Progress”) and status changed to (“In Progress”) before -10d AND status in (“IN Progress”)

Example Kanban Board





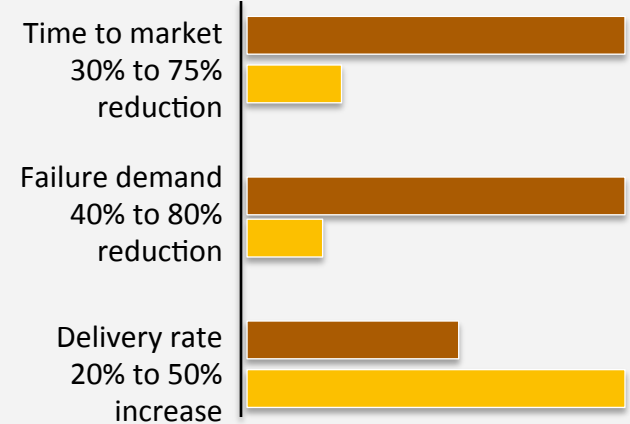
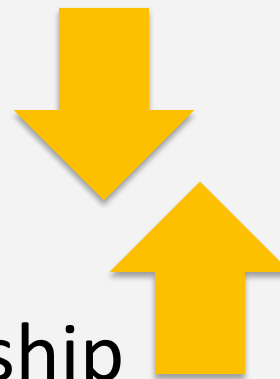
TYPICAL RESULTS

Time to Market

Delivery Risk

Delivery Rate

Pride of workmanship

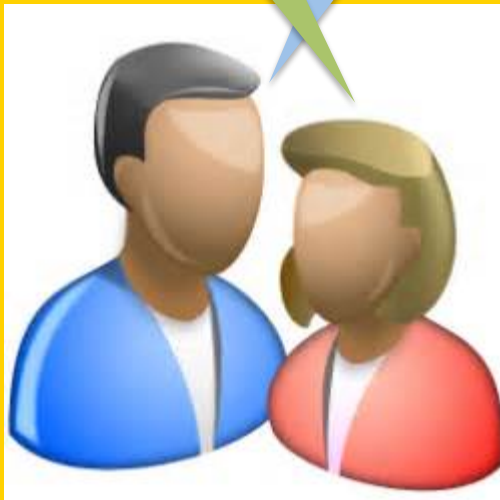


FB

YOUR FEEDBACK

FEED

BACK




I rate this meetup as (1 to 10)

What I liked about it is

To make it perfect

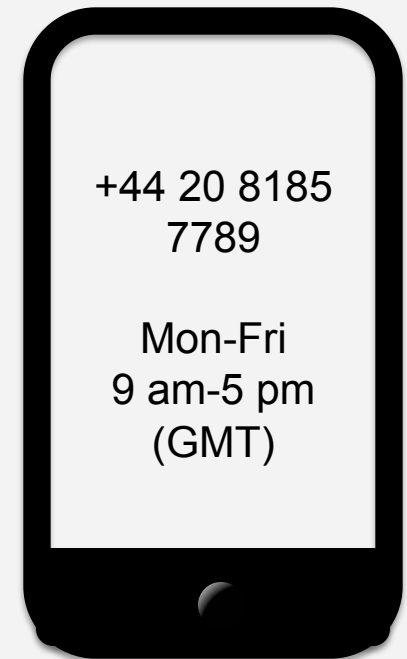
References

1. Kanban: Successful Evolutionary Change for Your Technology Business
 2. Essential Kanban Condensed
 3. <https://www.infoq.com/presentations/agile-quantify>
 4. Larry Maccheron
 1. Explaining Larrys scatter histogram chart
 2. Why coverage is better than mean plus sigmas
 3. The impact of lean and agile quantified
 5. Troy Magennis – Focused Objective
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Business Agility Specialists

WOULD LOVE
TO HEAR YOUR
THOUGHTS



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