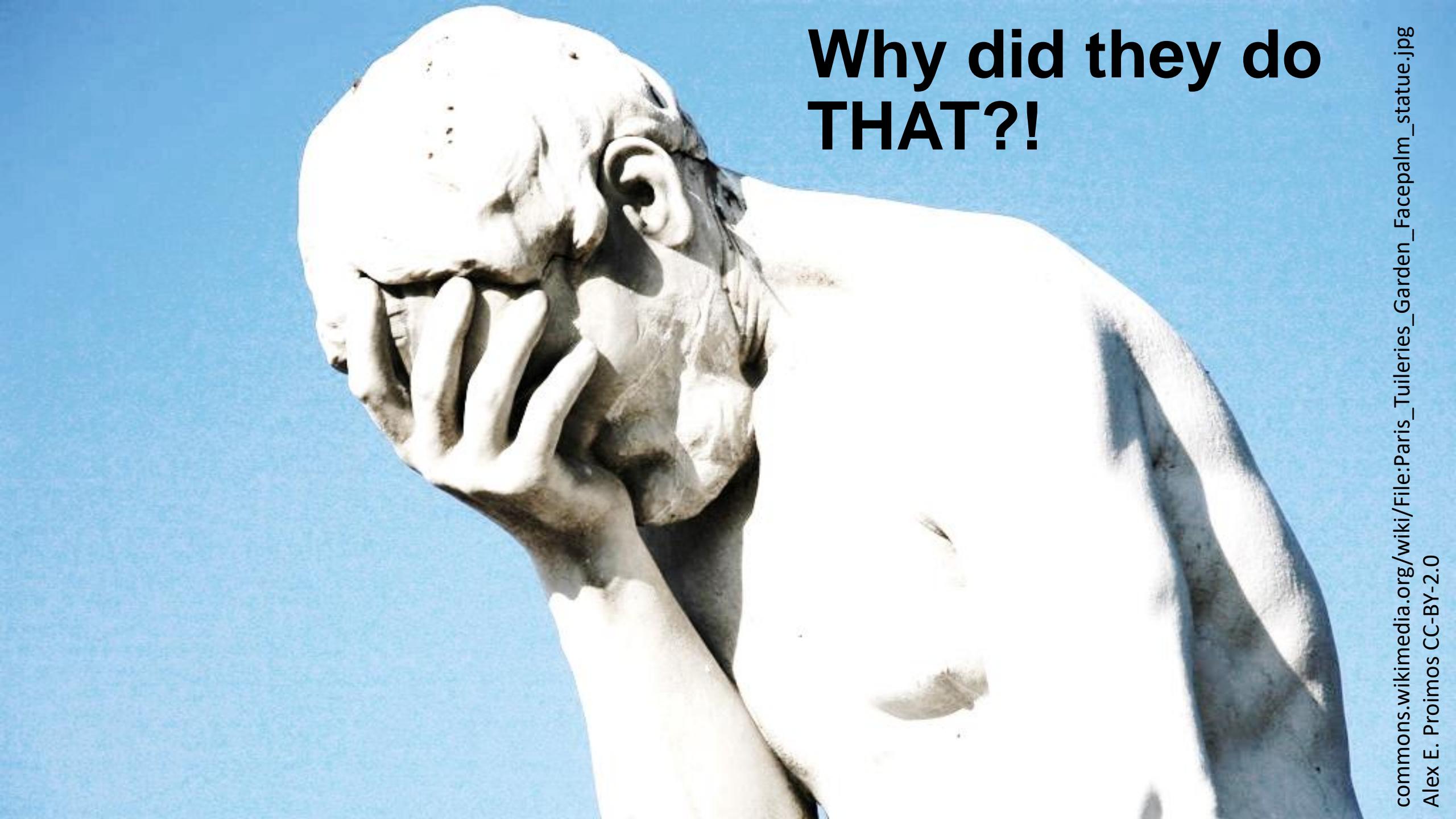
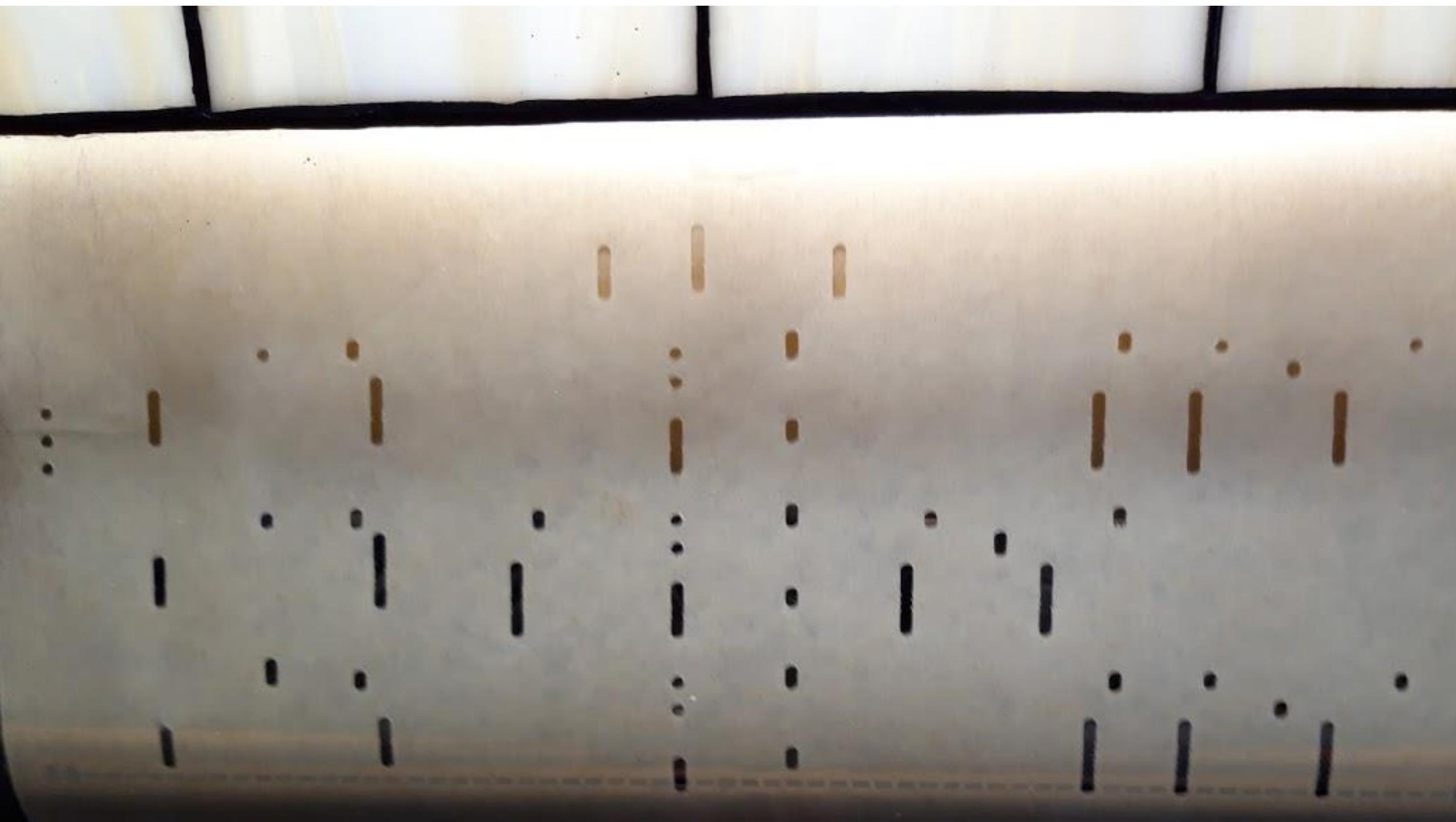


Helping developers to help each other

Gail Ollis
Bournemouth University
U.K.



**Why did they do
THAT?!**





Helping developers to help each other

Gail Ollis
Bournemouth University
U.K.

1.

Interviews



2. Workshops

3.

Feedback



www.sheppard.af.mil/News/Photos/igphoto/20000468971

U.S. Air Force photo/John Ingle, public domain

Interviews

chooses identifiers which are not
self)
principles

choose
meaningful and distinct
and-paste
to paste
project
quality

Tends to work in isolation

Example:
* Checks in their work infrequently
* Rarely integrates their

49

Ignores build warnings

choose
meaningful and distinct
and-paste
to paste
project
quality

choose
meaningful and distinct
and-paste
to paste
project
quality

Practices good housekeeping

Example:

moves temporary debug statements
moves temporary debug statements
leaves TODOs for others to deal with
leaves TODOs for others to deal with

54

Automates tasks

Willing to answer questions
Explains how to keyboard
Patient less experienced
User input & user input
password; userstuff();
data to disk
oldpwd; system dies

choose
meaningful and distinct
and-paste
to paste
project
quality

Bad. Noticeable impact

Bad. Slight impact

Neutral

Good. Slight impact

Good. Noticeable impact

Automates tasks

**Includes symptoms
& how to reproduce
in bug reports**

**Fixes symptoms
without discovering
root cause of bug**

**Is good at helping
others**

**Is willing to discuss
suggestions about
their code**

**Espouses “one true
way”**

**Tends to “own”
code**

**Tends to work in
isolation**

“I saw him create a legacy system in 3 weeks”

Example:

moves team
not leaves

Example:

- * Willing to answer questions
- * Explains how to less experienced
- * Keyboard and mouse
- * Patient

Automates tasks

Ignores build warnings

**Is willing to ask
questions**

Chooses identifiers which are
not succinct, meaningful &
distinct

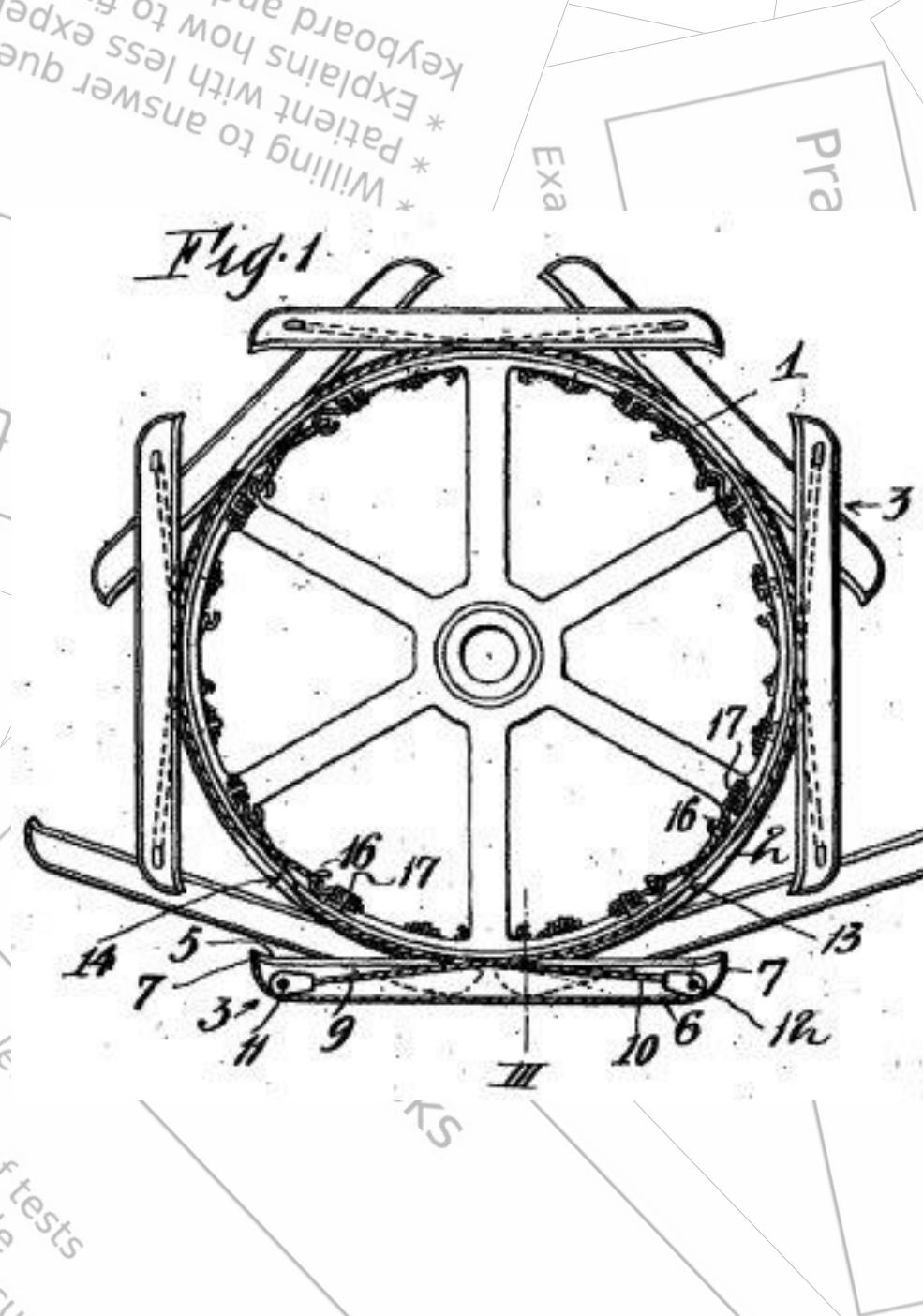
“Vegetables” “Wibble” “Spock”

Example:

- * Checks in their work infrequently
- * Rarely integrates their code

Ignores build warnings

commons.wikimedia.org/wiki/File:Unknown_Chinese_Maker_Tin_Rocket_Spaceship_Skyexpress_Undercarriage_Down_%26_Hatch_Open.jpg
D J Shin CC-BY-SA-3.0



$C(1) = Y + U(1)$

FORTAN STATEMENT

Helping developers to
help each other



Workshops

21

A lot of times I find people are more driven by the latest technologies than by understanding the problem.

THE HOUSE OF COMMONS
IN COMMEMORATION OF THE

100TH ANNIVERSARY OF THE

HOUSE OF COMMONS

1918-2018

THE HOUSE OF COMMONS

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1

Choose

2

Explain



A digital drawing of a pink unicorn standing on a green grassy field. The unicorn has a black mane and tail, and a single horn with yellow stripes. It is looking towards the left. In the background, a vibrant rainbow arches across the sky. The drawing is set against a light blue gradient background.

<https://www.sketchport.com/drawing/6326943955812352/pink-blurry-unicorn-under-a-rainbow>, 2014 Zakeena, CC-BY



Feedback



www.sheppard.af.mil/News/Photos/igphoto/20000468971

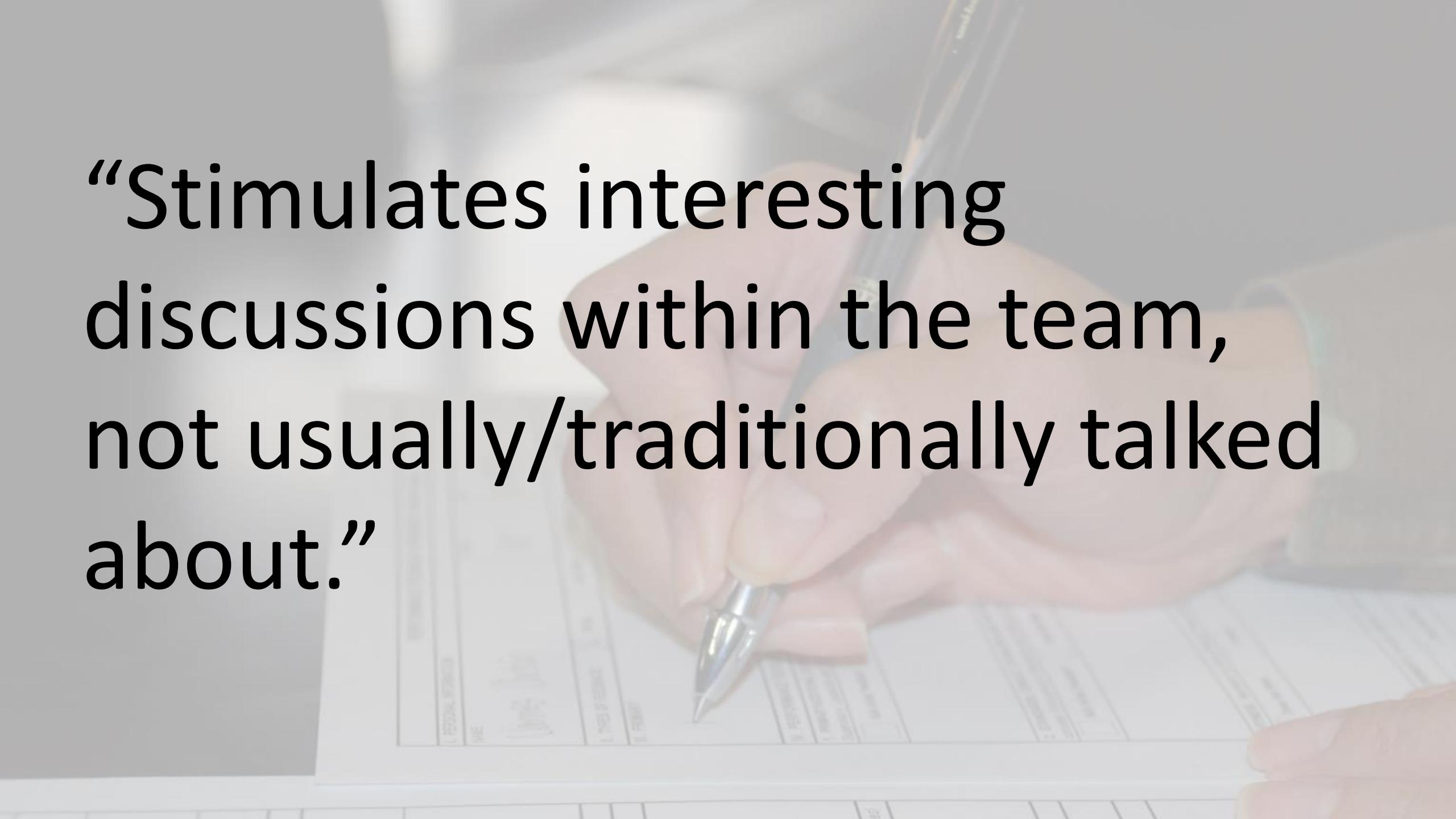
U.S. Air Force photo/John Ingle, public domain

96%

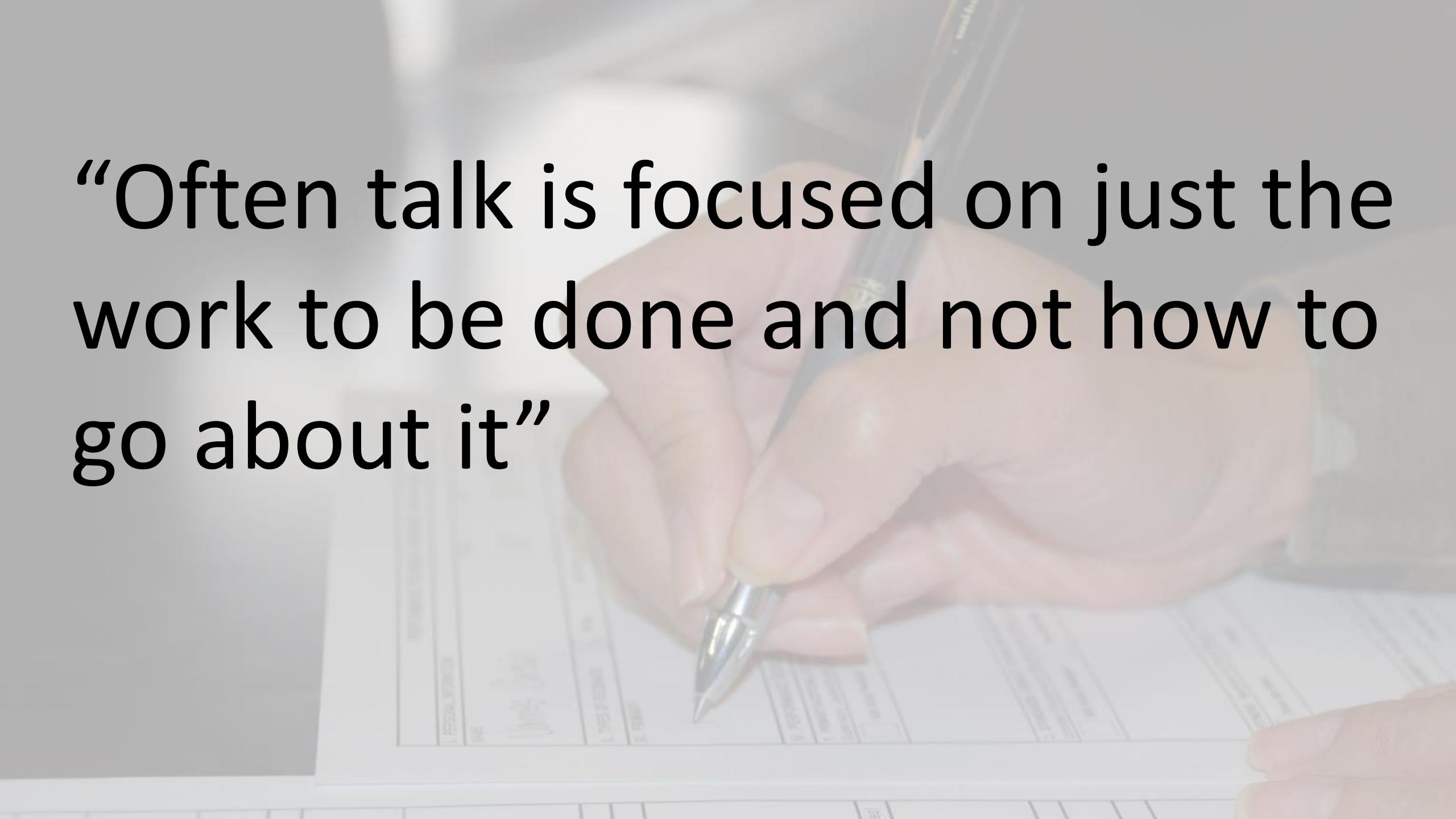
Recommend



“Stimulates interesting discussions within the team, not usually/traditionally talked about.”



“Often talk is focused on just the work to be done and not how to go about it”

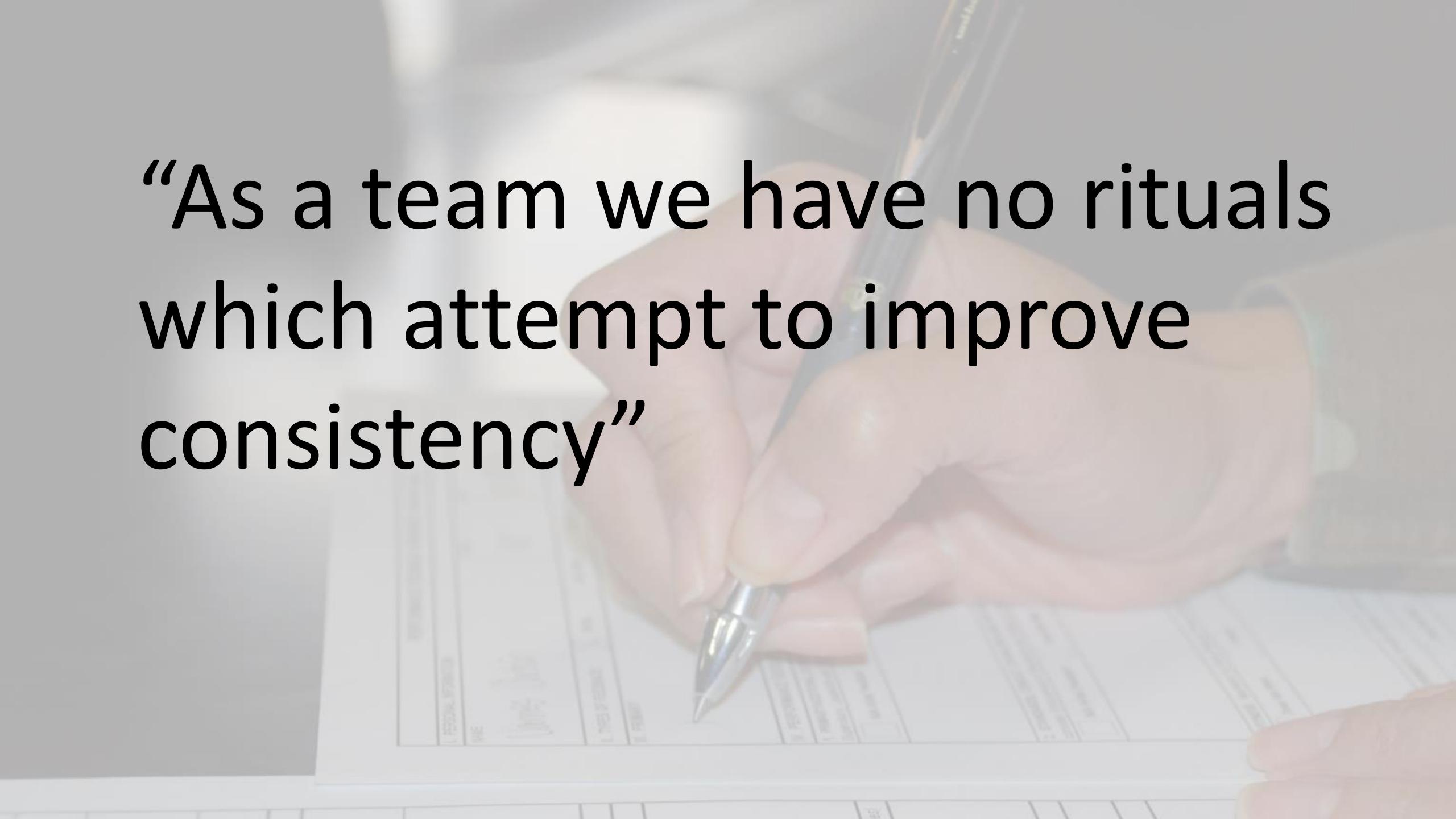


93%

Reuse



“As a team we have no rituals which attempt to improve consistency”



- Other teams
- Appraisal
- Recruitment

Other uses

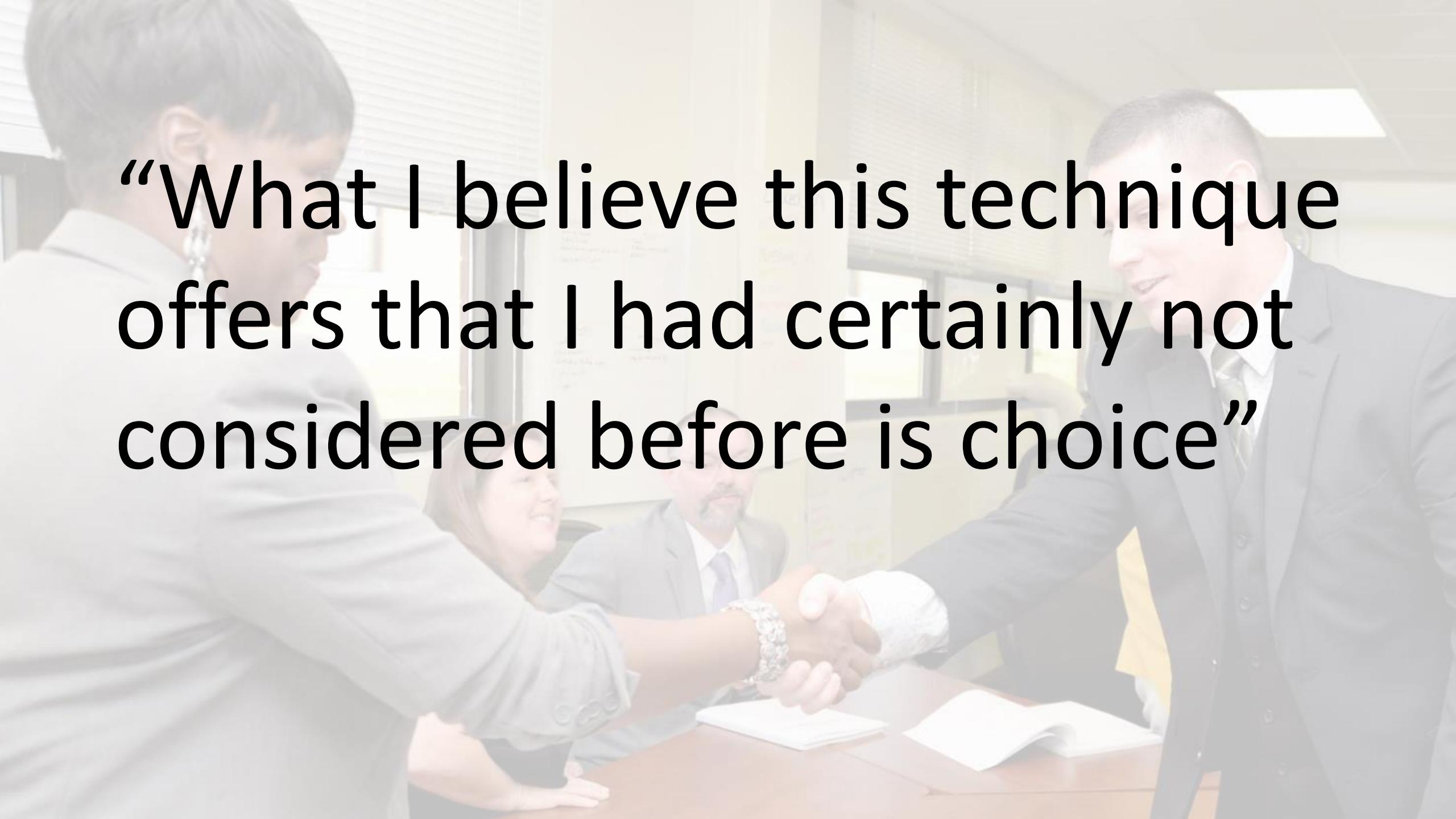


“Could help get insights into
how interviewee would fit
with team working”

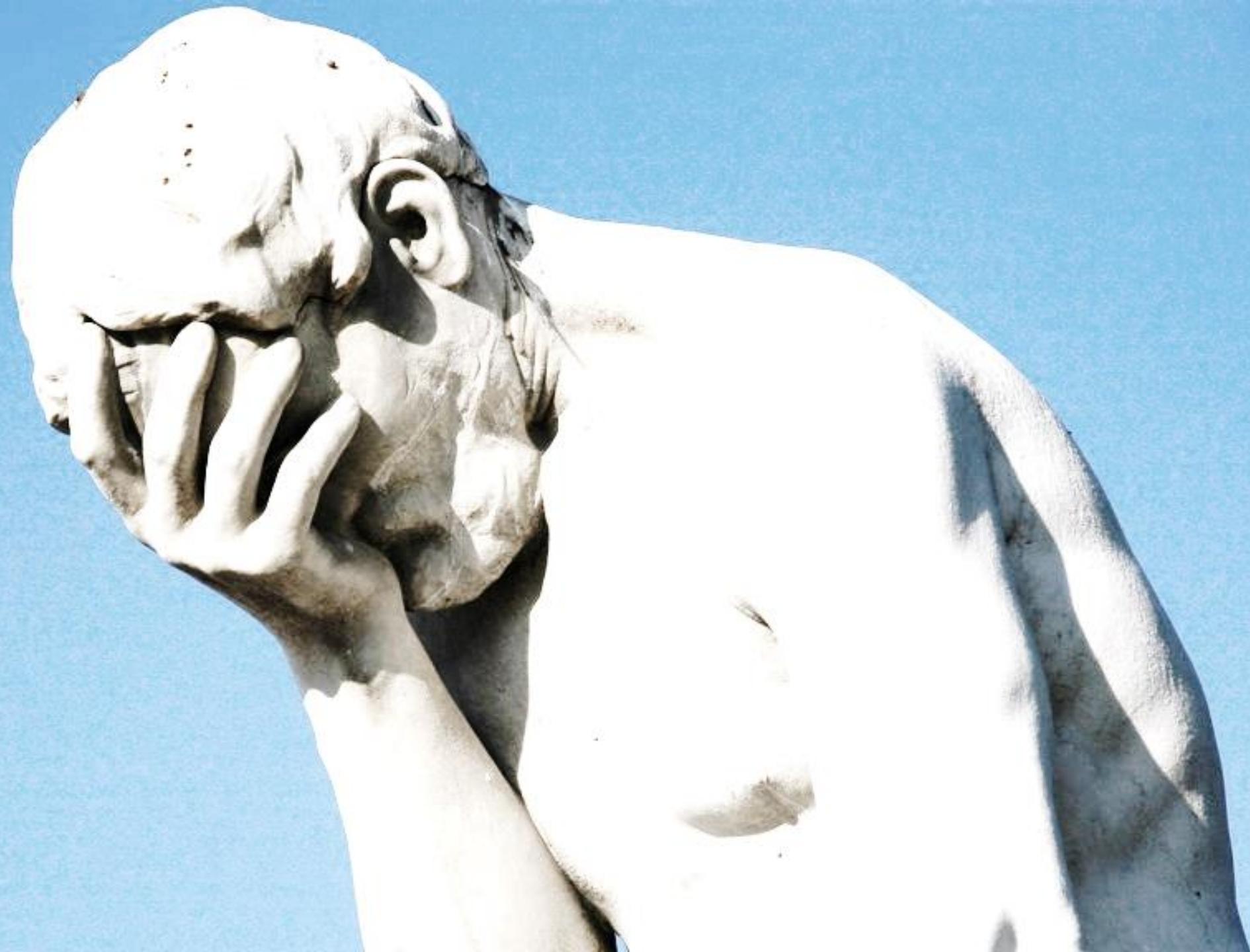


How are they thinking?

“What I believe this technique offers that I had certainly not considered before is choice”



Invitation



commons.wikimedia.org/wiki/File:Paris_Tuileries_Garden_Facepalm_statue.jpg

Alex E. Proimos CC-BY-2.0

21

A lot of times I find people are more driven by the latest technologies than by understanding the problem.

$P(1) = Y + U(1)$

FORTRAN STATEMENT

“We’re not thinking in
these ways!”

Help developers to help each other

Give me a card

Or an email: gollis@Bournemouth.ac.uk

Or a tweet: @GailOllis