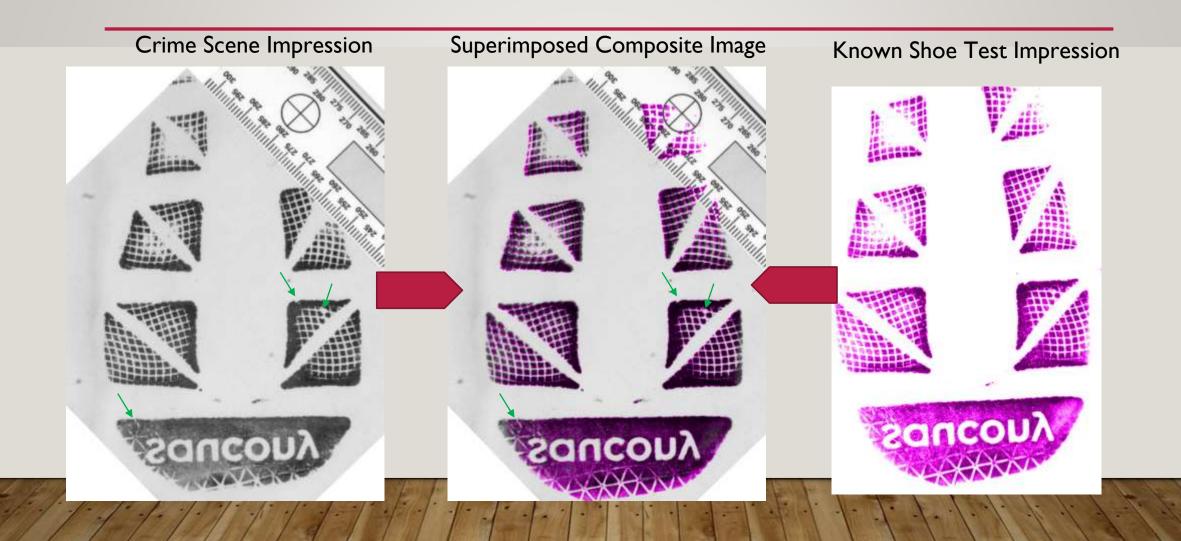
#### SCIENCE COMMUNICATION WORKSHOP JUNE 2024

# PERSPECTIVES FROM THE FOOTWEAR PRACTITIONER COMMUNITY

DAVID KANARIS CHIEF, ALASKA SCIENTIFIC CRIME DETECTION LABORATORY

CHAIR, OSAC FOOTWEAR AND TIRE SUBCOMMITTEE

# WHAT DOES A FOOTWEAR COMPARISON ENTAIL?





## **CURRENT CONCLUSION SCALE**

### ARTICULATING OPINIONS INTO THE FUTURE

- Goals were:
  - To move away from categorical conclusions
  - Decide on a framework for articulating opinions to the stakeholders that were transparent, more justifiable, and didn't lose anything in terms of how understandable they were
- Also wanted to provide something that was usable to practitioners and adoptable by laboratories. To do this we had to answer two questions
  - I. Are the new opinions being understood?

2. Are the new opinions perceived as much "weaker" than previous associations?

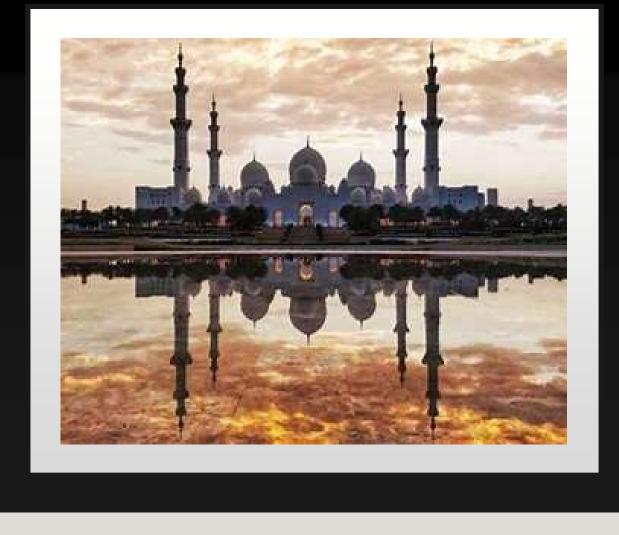
#### QUESTION I – HOW TO IDENTIFY THE BEST FRAMEWORK?

- Weight of evidence type scale
  - Where the practitioner must consider the two propositions during the evaluation



# QUESTION 2 – HOW MANY BOXES IS TOO MANY BOXES?

# QUESTION 3 – HOW IMPORTANT IS SYMMETRY IN A SCALE?



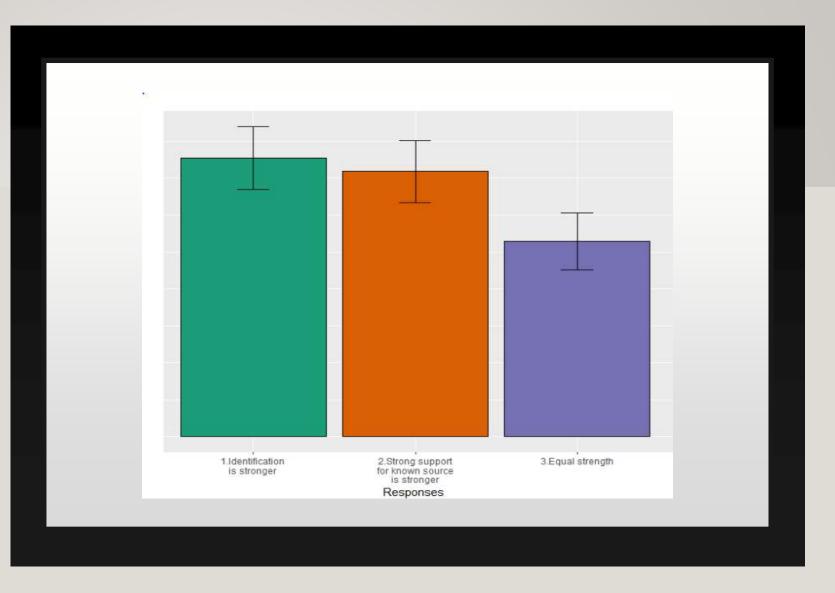
					A. 61
Source Exclusion	Support for Source Exclusion	Indeterminate with Respect to Source	Support for Inclusion based on Class Characteristics	Support for Inclusion based on Class and Distinguishing Characteristics	Strong Support fo Known Source

## **NEW SCALE**



#### QUESTION 4 – ARE WE UNDERSTOOD?

QUESTION 5 – ARE WE CORRECTLY REPRESENTING THE STRENGTH OF SUPPORT?



					A. 61
Source Exclusion	Support for Source Exclusion	Indeterminate with Respect to Source	Support for Inclusion based on Class Characteristics	Support for Inclusion based on Class and Distinguishing Characteristics	Strong Support fo Known Source

## **NEW SCALE**

#### THANK YOU

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•Footwear & Tire Subcommittee | NIST