Should I trust this image?
Cédric Maigrot, Ewa Kijak, Vincent Claveau

To cite this version:

Cédric Maigrot, Ewa Kijak, Vincent Claveau. Should I trust this image?. WIFS 2017 - 9th IEEE International Workshop on Information Forensics and Security, Dec 2017, Rennes, France. pp.1. hal-01844080

HAL Id: hal-01844080
https://inria.hal.science/hal-01844080
Submitted on 19 Jul 2018

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Computer!
Help me!

Is this image forged?

Can I find similar images?

Query
Candidate 1
Candidate 2
Candidate 3
Candidate 4
Candidate 5

How these images differ?

Detecting the outliers

Transforming the outliers into a binary map

Outliers density map (DM),
gaussian kernel
Binarized DM
($\theta = 0.50 \times \text{max}$)
Binarized DM
($\theta = 0.75 \times \text{max}$)
Binarized DM,
uniform kernel
Ground truth

Ok, and then, what can be said?

Modifications characterization

Type of modification:
- Text
- Shape
- Person
- Other

Which one is the original image?

Is there any visual information relevant
to identify the original image?

This work is partly supported by the Direction Générale de l’Armement, France (DGA).