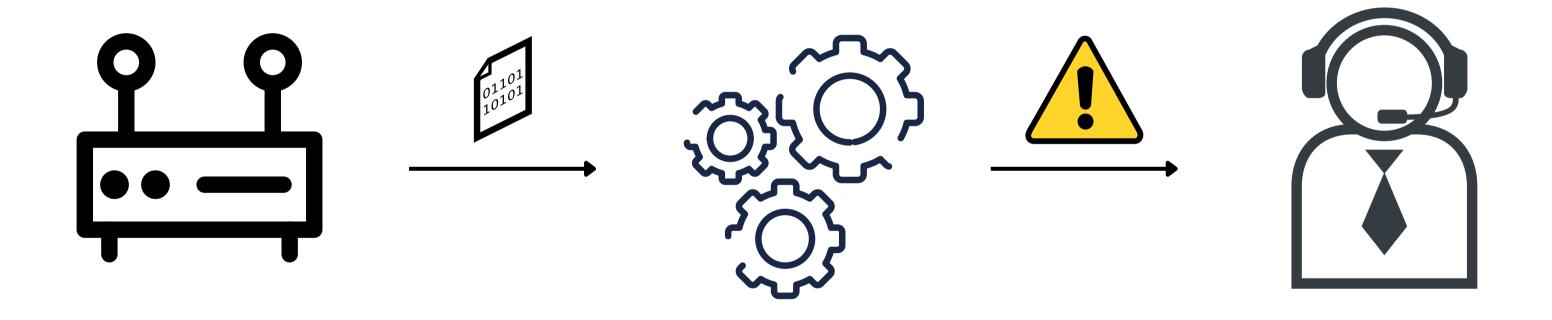


#### Data Fusion

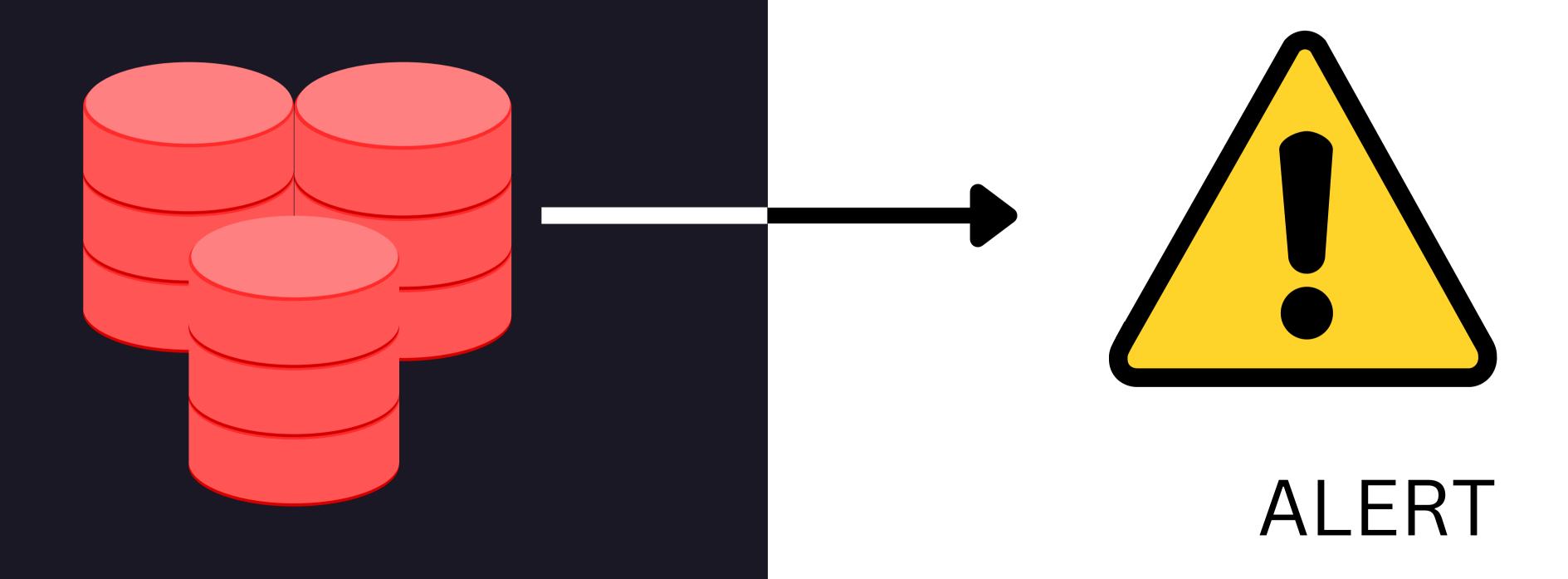
#### The Key to Reliable Threat Detection

Richard Plný CESNET & Czech Technical University in Prague

# Threat detection in high-speed networks



#### DATA





### CAN WE TRUST THE DATA?



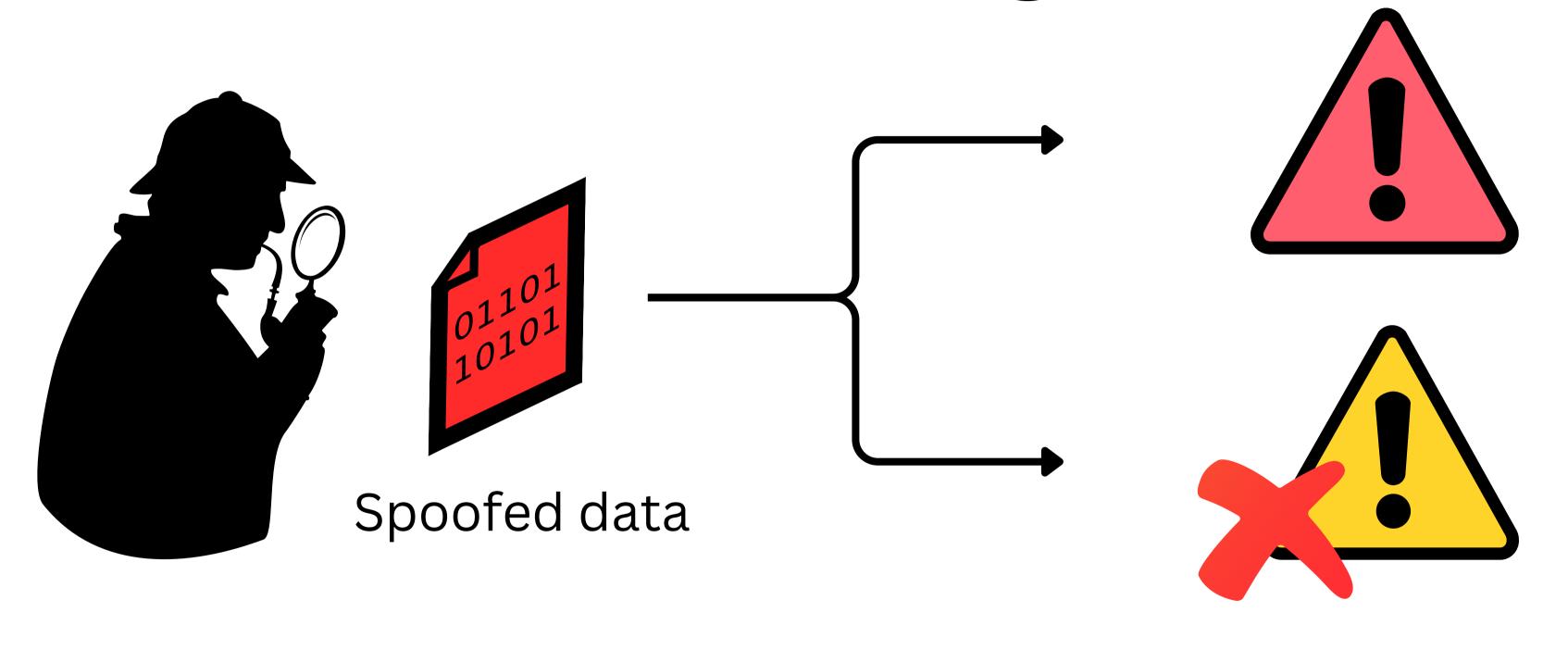
### Transmission errors

#### Spoofed data

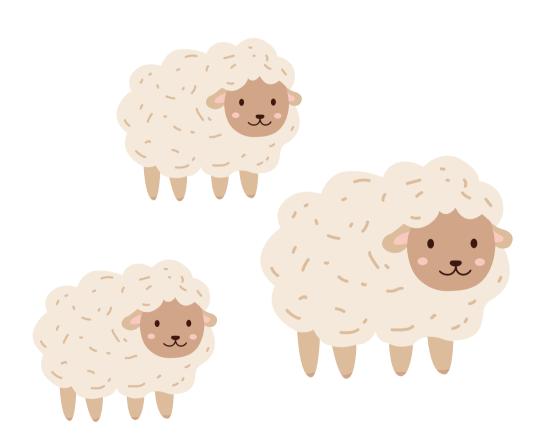


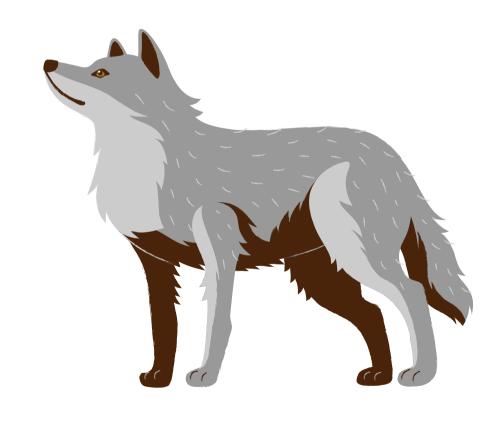
# Data does **not** always reflect the reality!

#### Threat not recognized



#### The Boy Who Cried Wolf







#### SECURITY BREACH

Without ever knowing it!



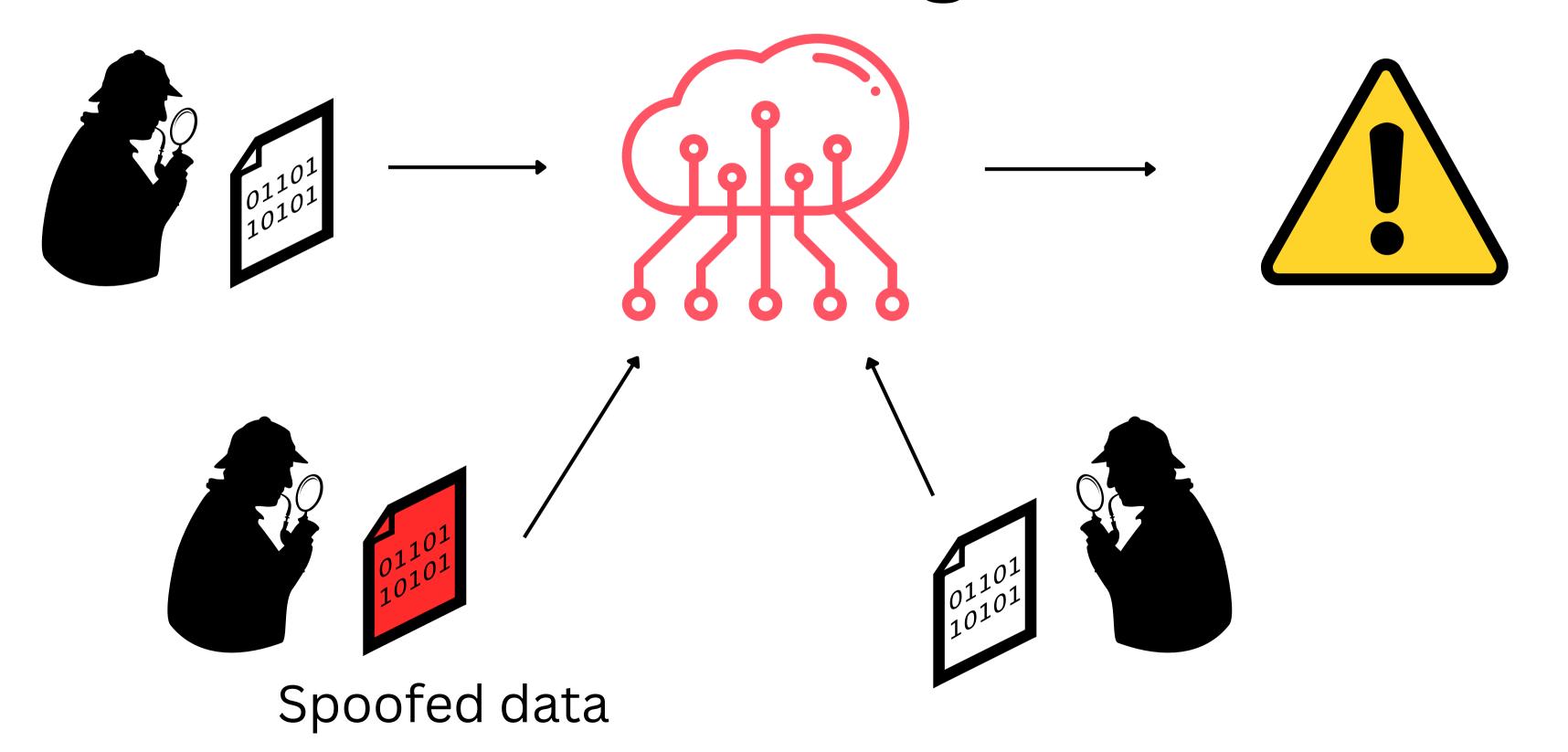
#### WHAT CAN WE DO?



#### Data Fusion

# The **group** is stronger than the individual!

#### Threat recognized

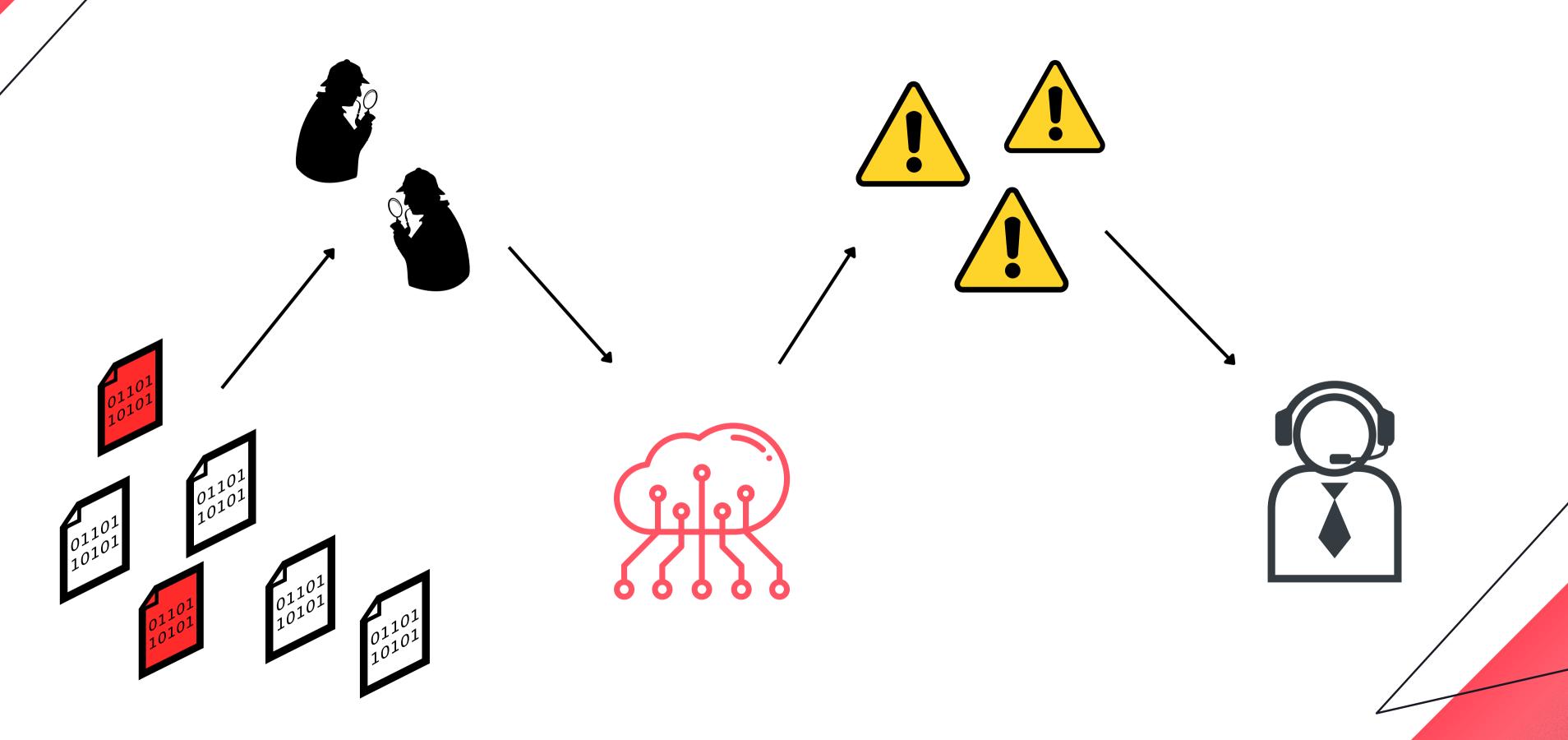


#### Data Fusion





#### Reliable threat detection



### DECRYPTO CRYPTOMALWARE DETECTOR

3 data sources
Millions of detections / day
Only 10 false positives / day

### Data fusion can make our networks safer!

### RICHARD PLNÝ RICHARD.PLNY@CESNET.CZ

# Thank you for your attention