

Panel Discussion:

What is better: A Standardised Open Source Algorithm Or an Innovative Proprietary Solution?

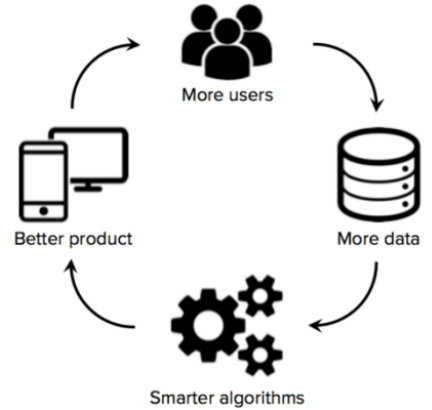
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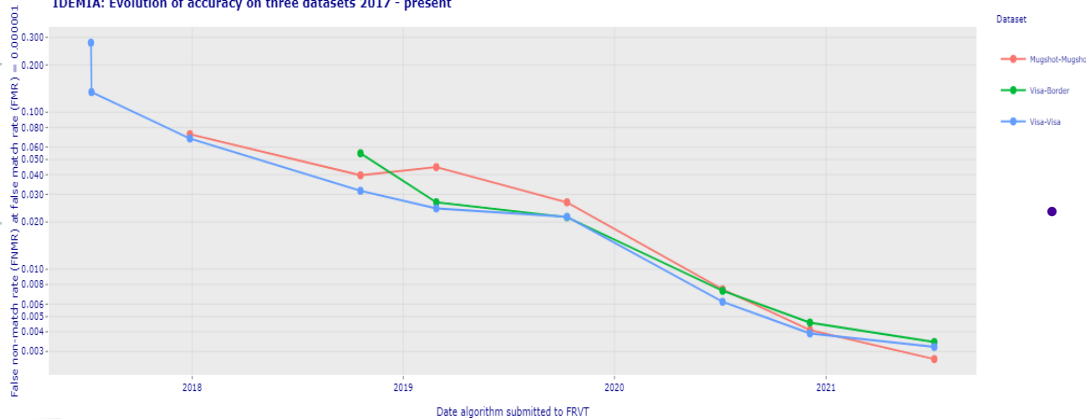


Maturity of existing qualities

- Idemia is currently working closely with some customer to improve quality needs, usages and thresholding on operational data.
- Loops with customer are mandatory today as the maturity of proposed algorithms is low.



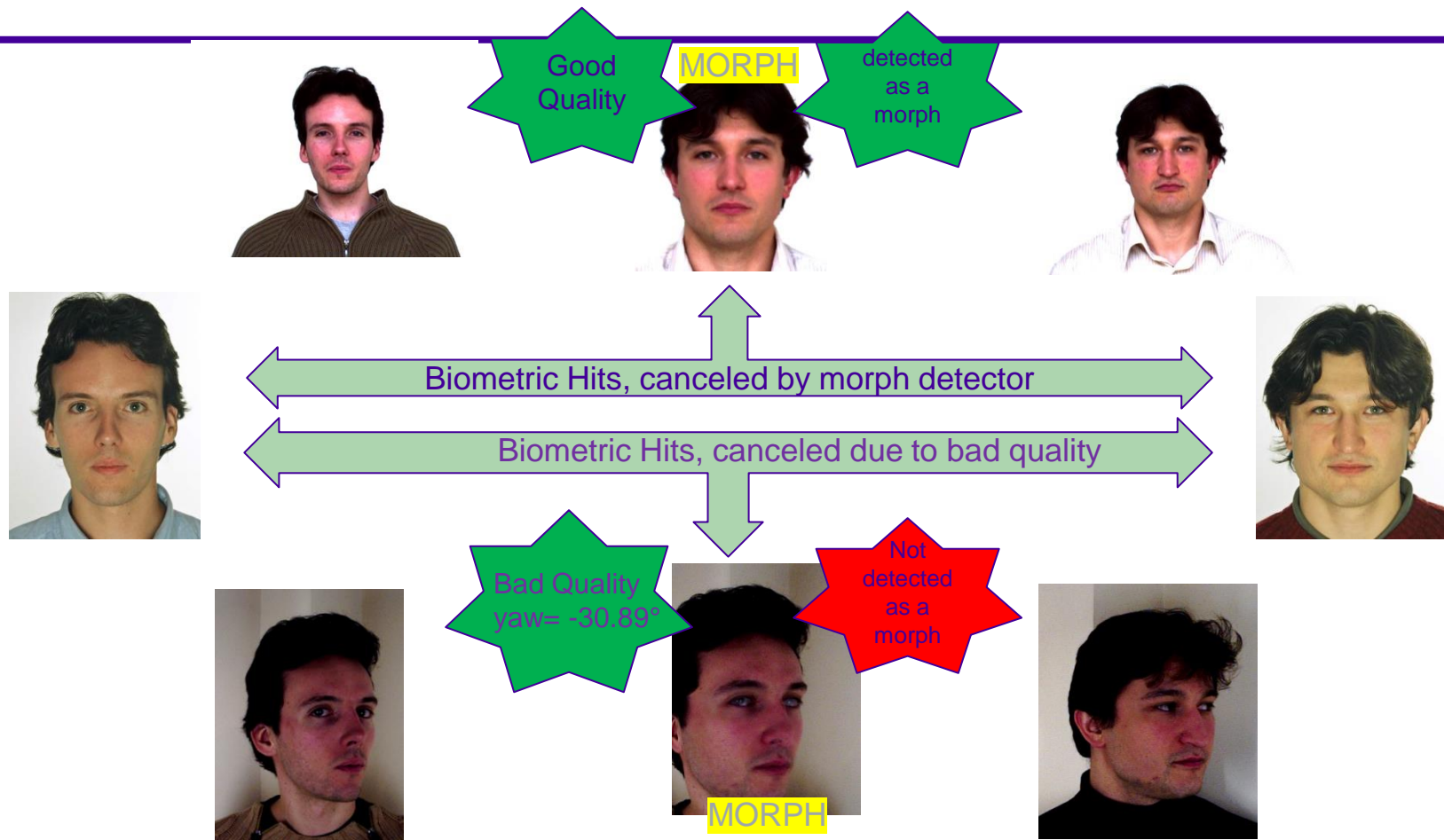
IDEMIA: Evolution of accuracy on three datasets 2017 - present



- Competition between industrial has driven innovation and improvement of algorithms in our field



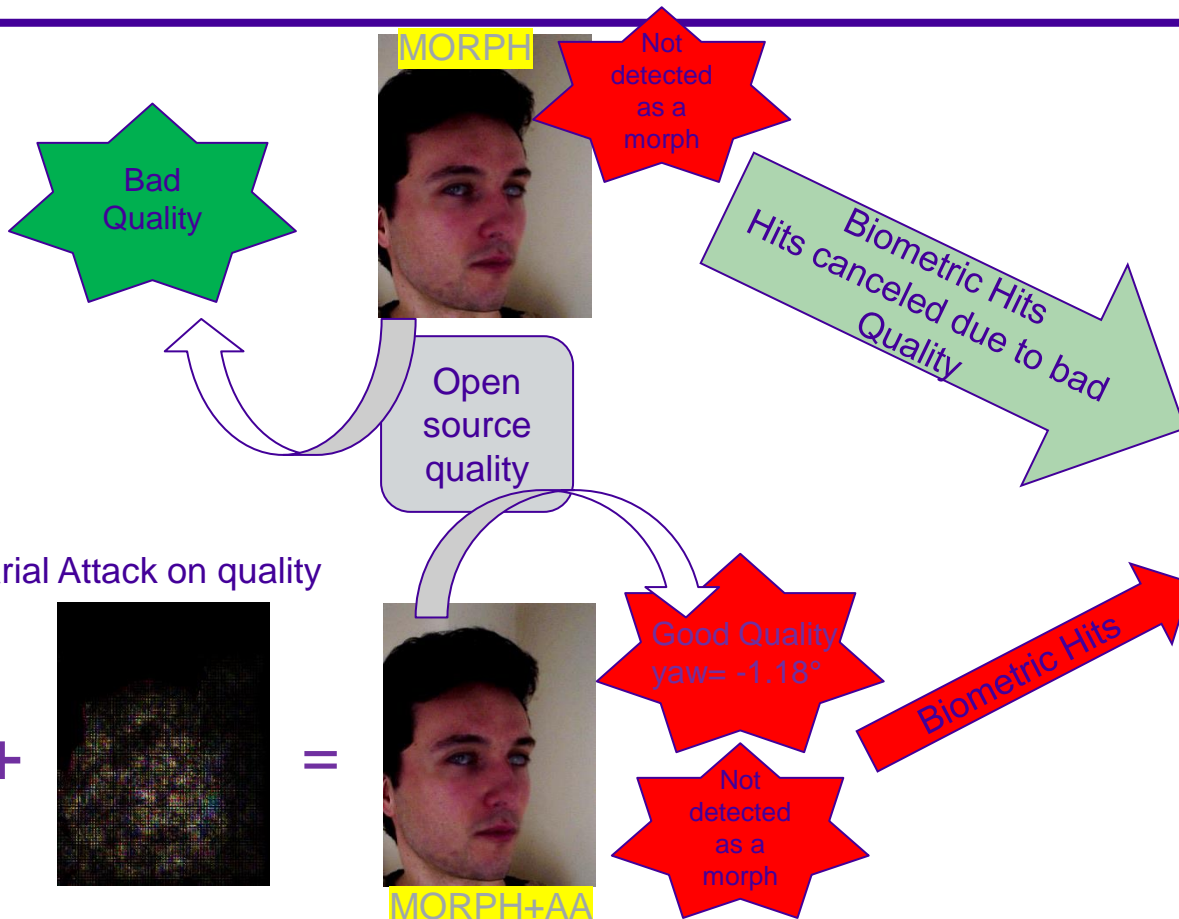
Good quality algorithm are needed to fight against Morph Faces





Open-Source vs Security

Topic raised by
ISO SC-27 experts
(cybersecurity)





AI act and legal implications

- **The European AI act will impose duties on developers concerning the fairness of algorithms, the traceability of the data used, the security and auditability of learning, for high-risk algorithms.**
- **Compliance with GDPR of data used to learn most of existing open-source models is not traceable. Choosing those models would prohibit deployment for industrial purposes.**
- **The expected transparency of open-source solutions is lost when responsibility is shared by multiple and not liable third parties. It makes it impossible to guarantee compliance with legislation, as provider can not provide a proper technical documentation.**
- **It seems premature today to impose an open-source solution that could not be deployed by manufacturers. We recommend leaving the possibility of also having proprietary solutions in the future ISO standard.**



Thank You

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