

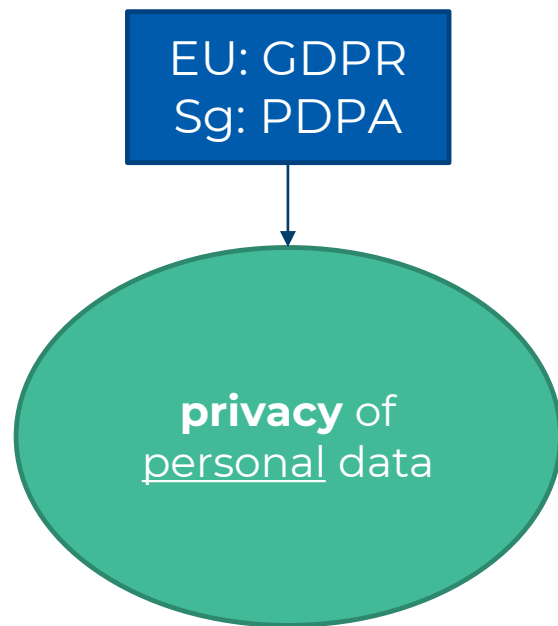
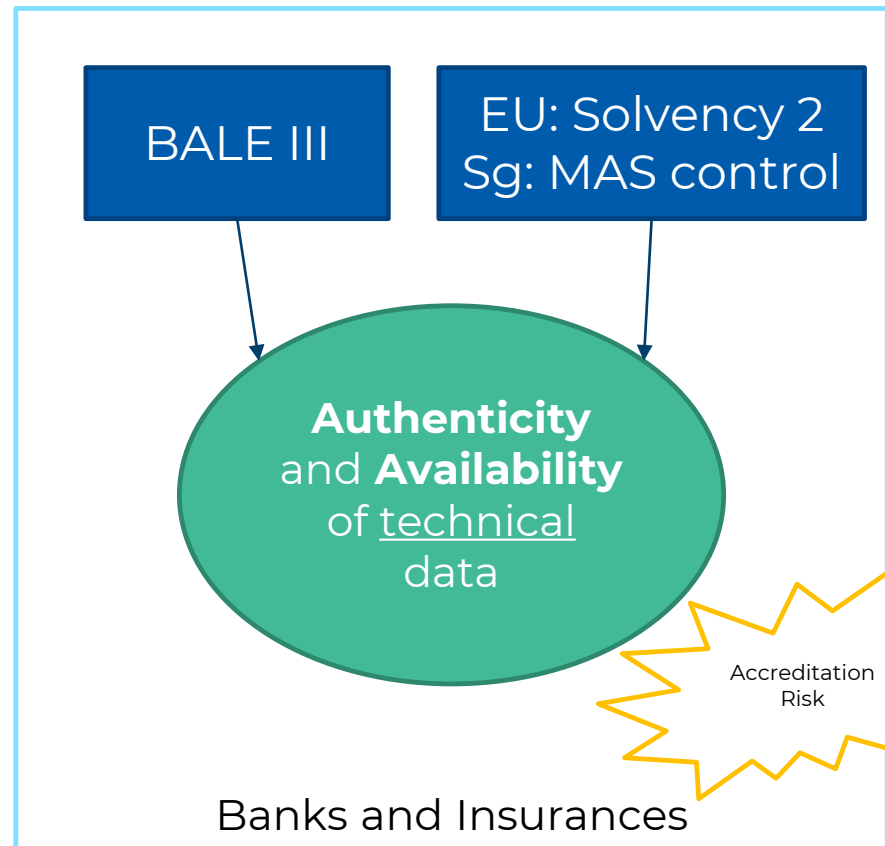
SINGAPORE 26/07/2018

CYBER RISKS AND BIG DATA

FROM DATA BREACH TO ALGORITHMS

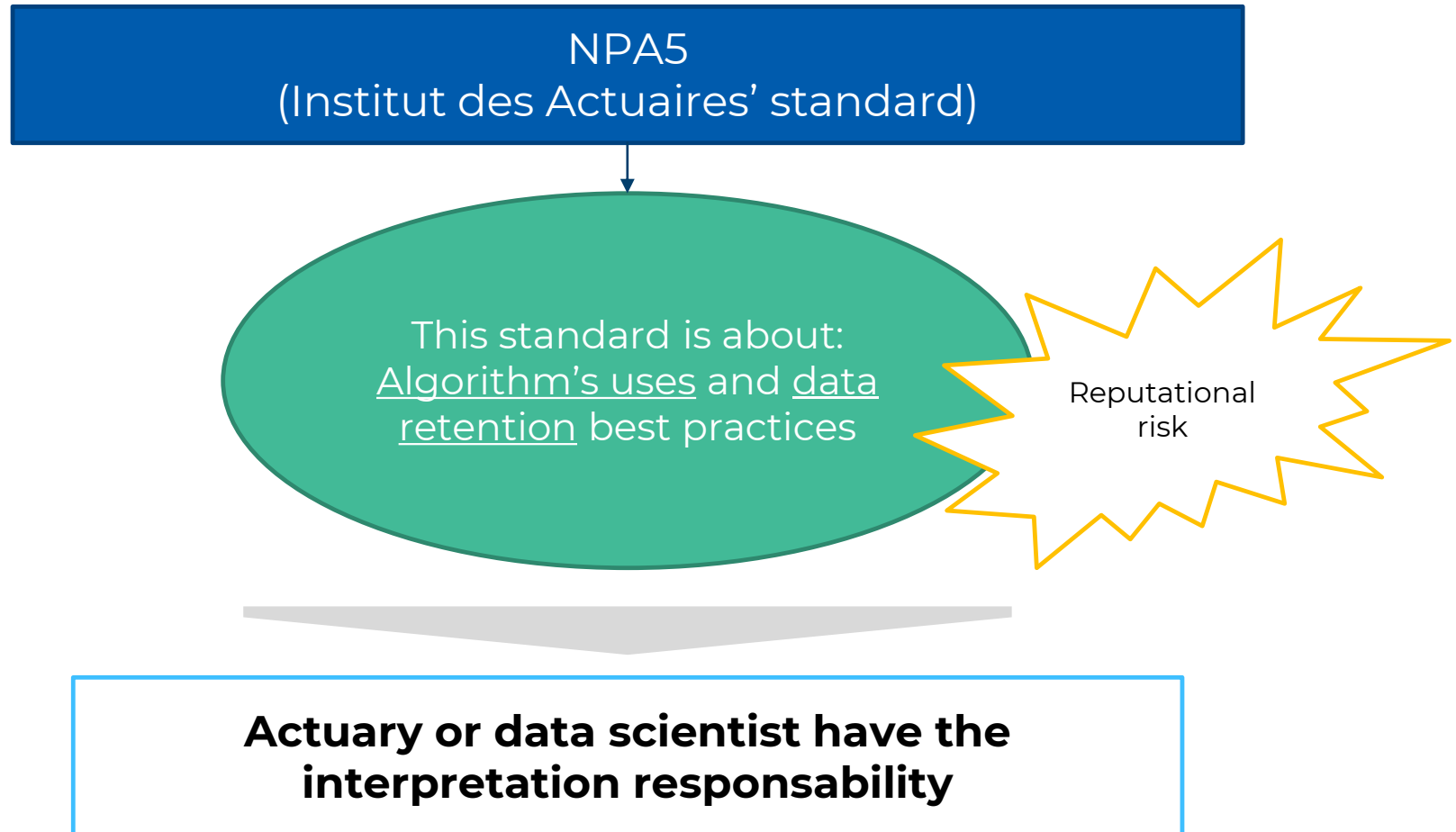


REGULATORY: RISKS OF SANCTION

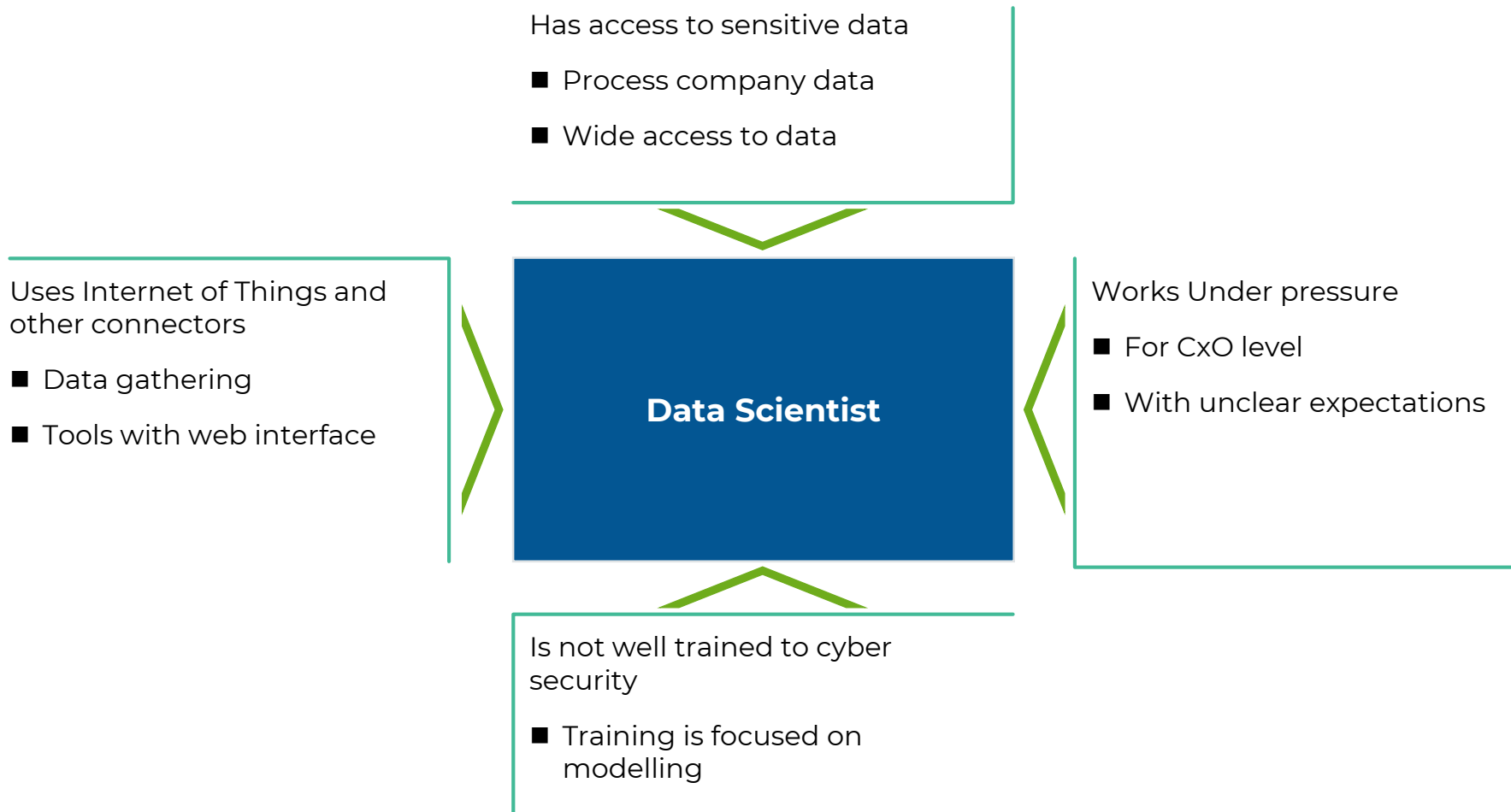


- * GDPR : General Data Protection Regulation
- * PDPA : Personal Data Protection Act 2012

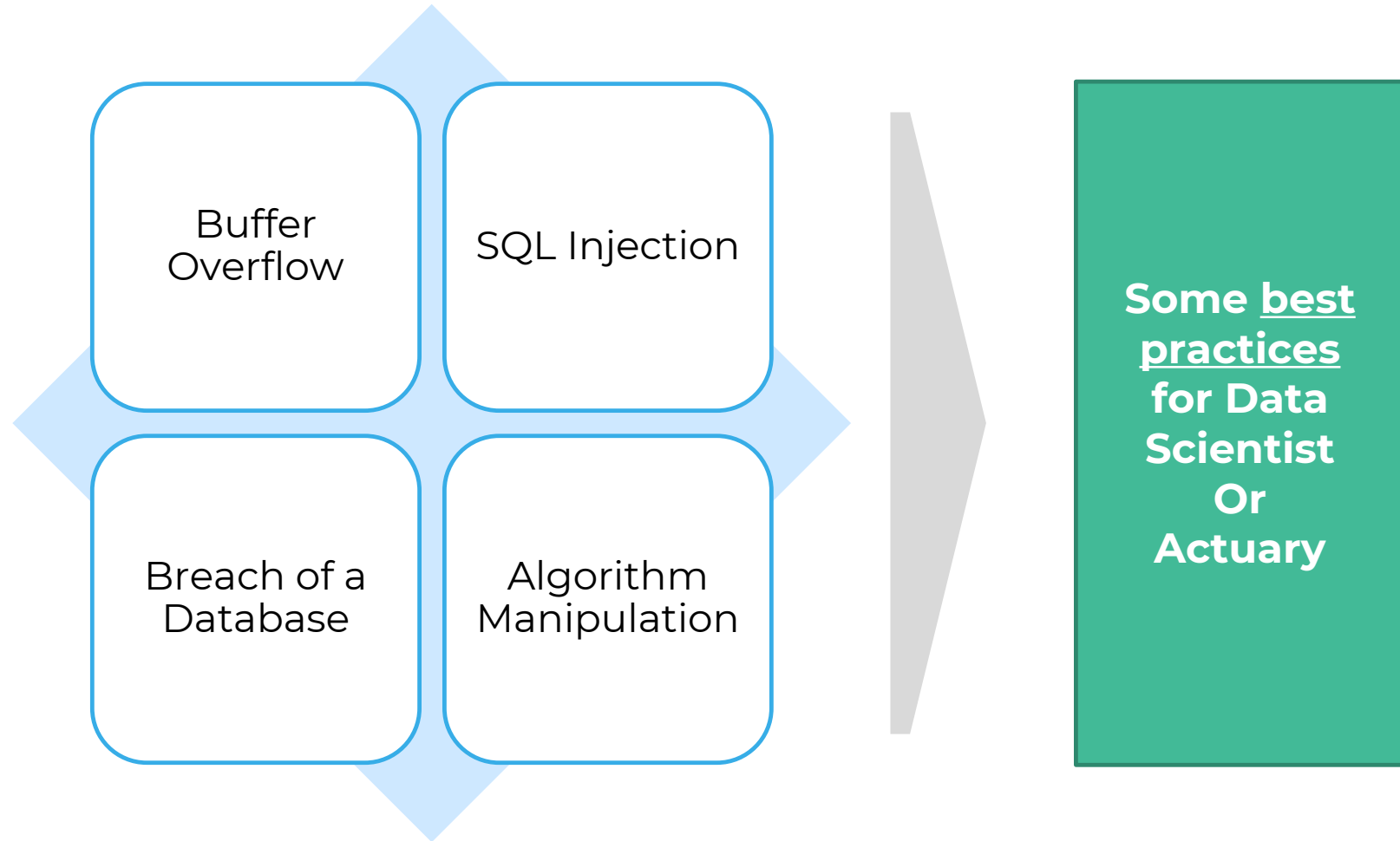
STANDARDS AND VALUES: FRENCH CASE



DATA SCIENTIST JOB: A SOURCE OF RISK



4 EXAMPLES AND BEST PRACTICES



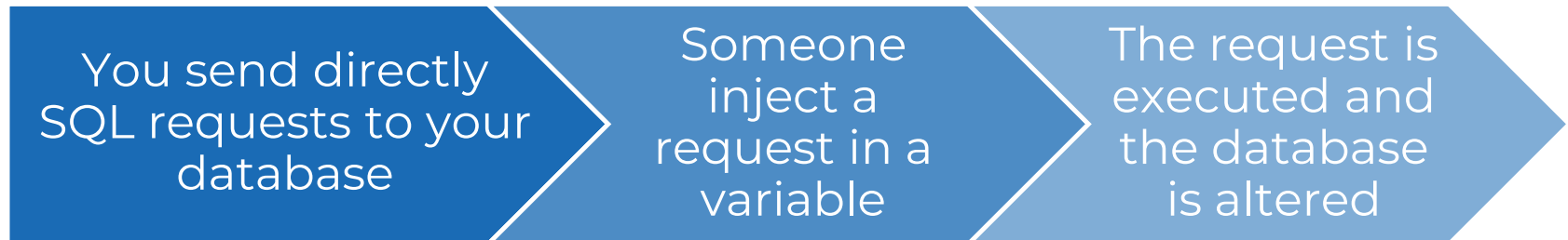
EXAMPLE 1: BUFFER OVERFLOW



How to protect yourself ?

Use high-level language like Python or R which are natively protected.

EXAMPLE 2: SQL INJECTION



How to protect yourself ?

Use a high-level library to manage your SQL queries.

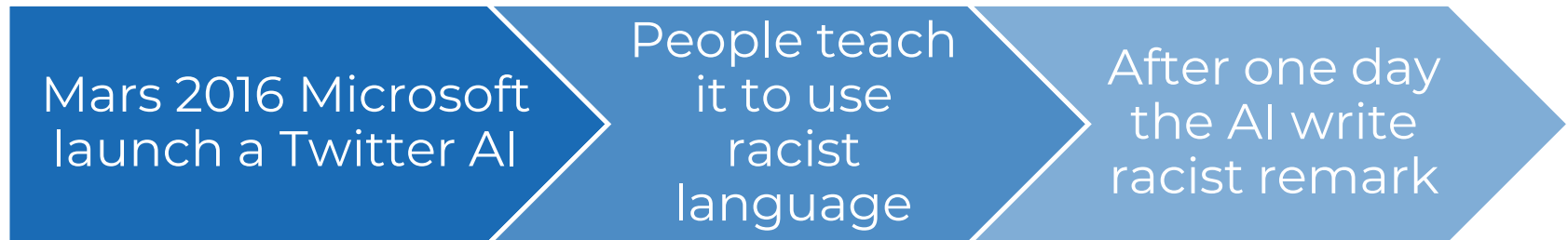
EXAMPLE 3: BREACH OF A DATABASE



How to protect yourself ?

Delete local copy and save results in a secured space.

EXAMPLE 4: ALGORITHM MANIPULATION



A new threat

The actuary is accountable and till now, no best practice or standard could help him to avoid this type of threats

Note: recognition of the threat for real cases may be harder to see for human

CRI4DATA SOLUTION

Our mission

Help firms to improve their cyber resilience

Our approach

Assess cyber risk and advisory to hedge it
Help insurance companies to accelerate their cyber insurance product's time to market

Our offerings



Expertise

Our experts help to design insurance solutions



Platform

IT suite ready to be implemented to manage underwriting, prevention and claims



Roll out

Training sessions for the workforce
And Digital Marketing suits