

Team: Number One



Karolina

Larisa

Miguel

Elisa

Lamia

Data
scientist,
technical
analyst

Business
Analyst,
Data
enthusiast &
PM

Front end &
Back end
Developper

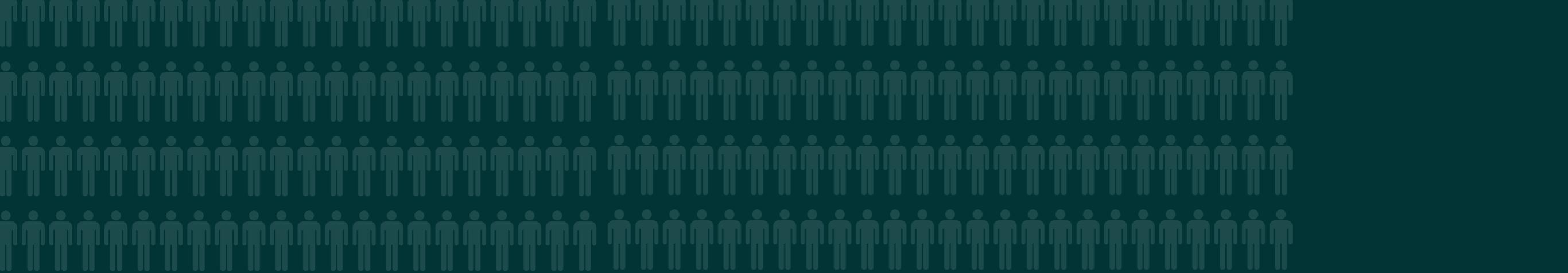
Senior
data
scientist

Data
analyst

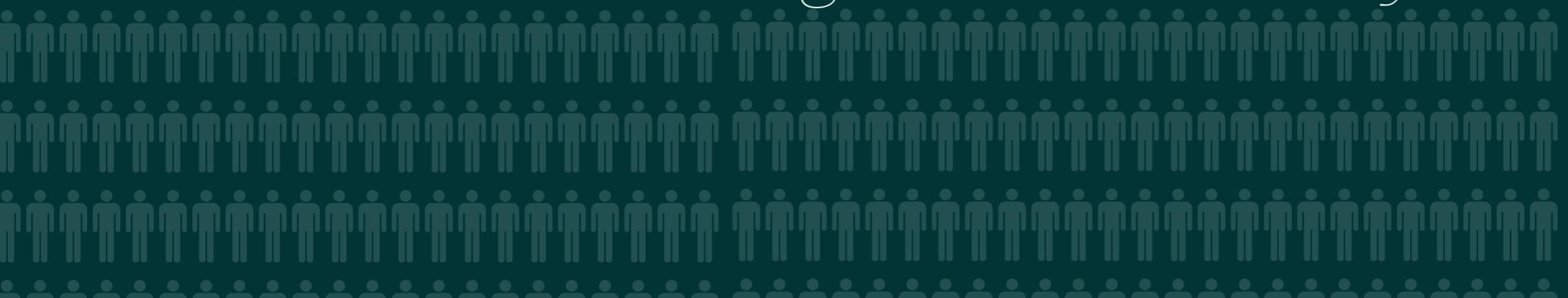
Anti-fraud predictive ML model

Reinforcing trust and CX

Number One Team - Hack'n'Lead Zürich 2019



1.5 CHF trillion is laundered every year



A challenge for data analysts

2019

CHF 1.5 T

Fraud is increasing with
the open banking

30%

70%



Internal Fraud



External fraud

Source: Netguardians research, 2018

2029

Increased external risk

Fraud models diversification & potential

Increase of channels online

Lack of customer education

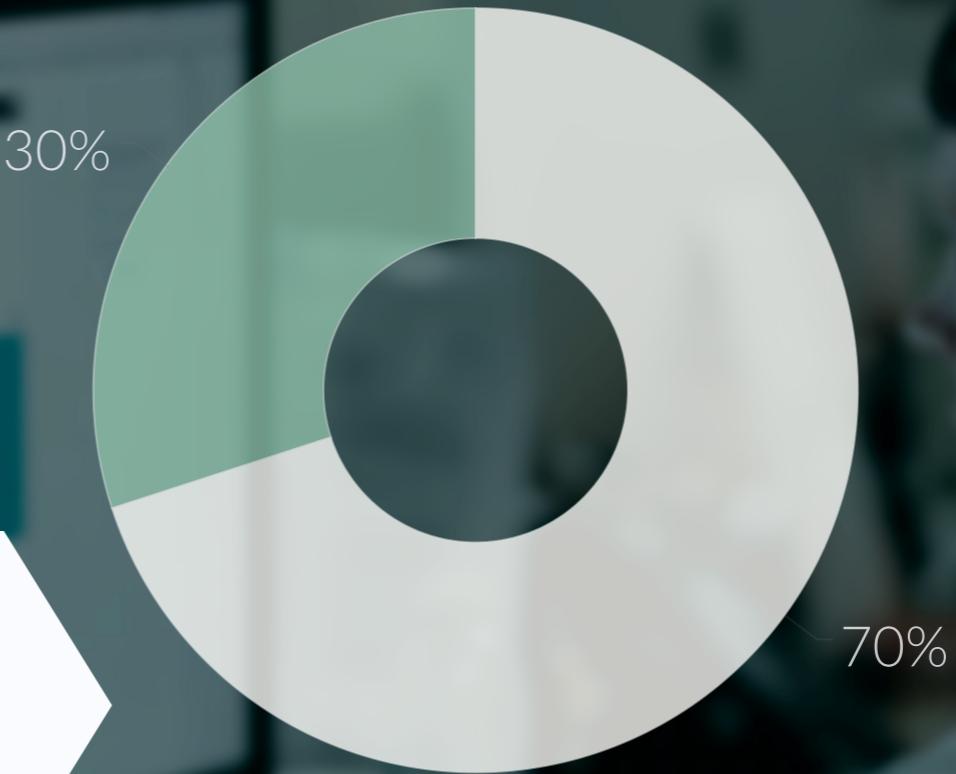


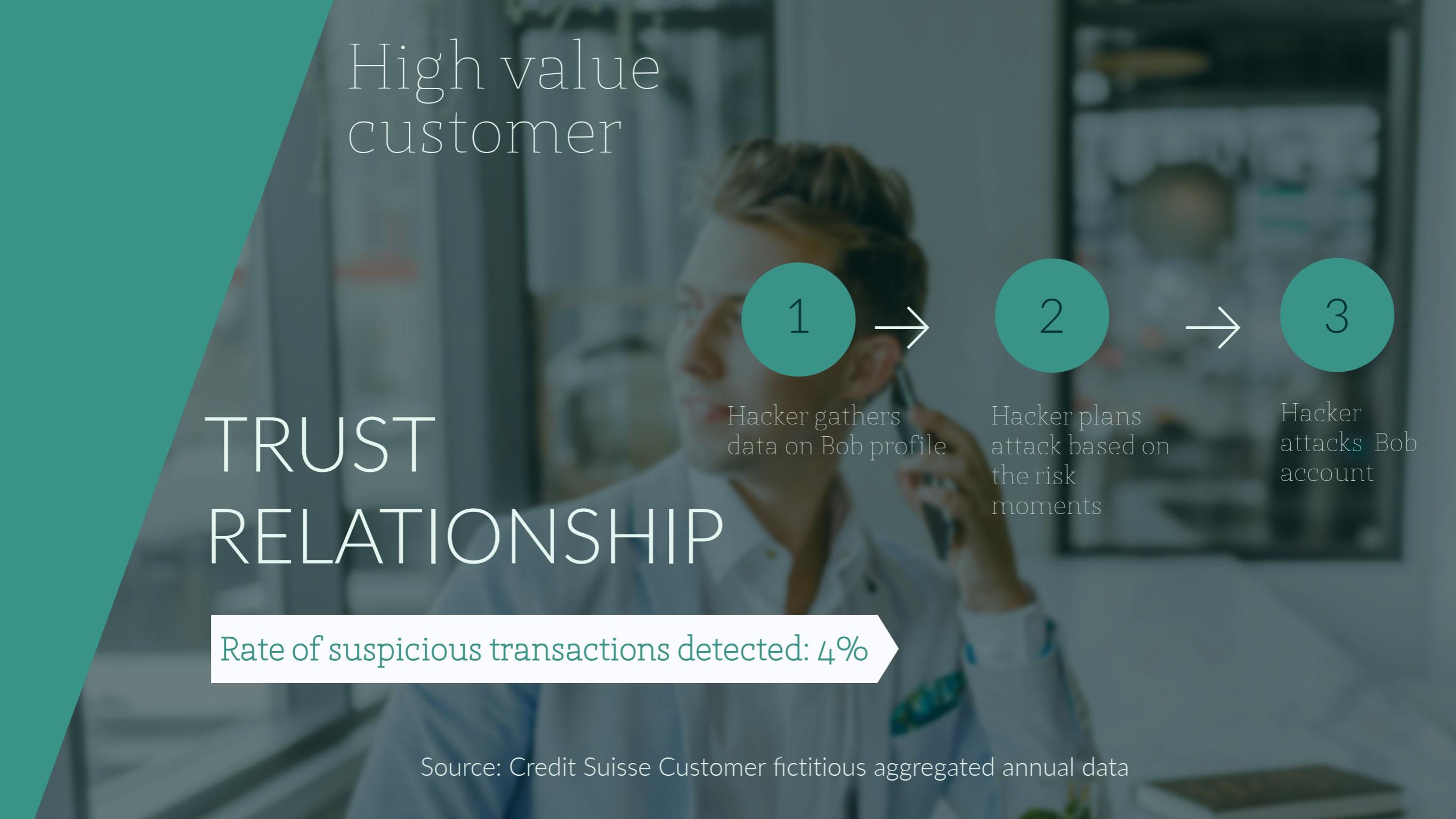
Internal Fraud



External fraud

Source: Netguardians research, 2018



A woman with blonde hair tied back, wearing a white lab coat over a dark top, is looking intently at a computer screen. The screen is mostly black, suggesting she is looking at a dark-themed interface or a blank page. She is in an office environment with other desks and equipment visible in the background.

High value customer

TRUST RELATIONSHIP

Rate of suspicious transactions detected: 4%

1



2



3

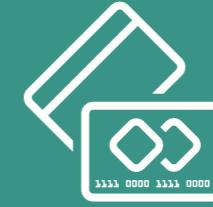
Hacker gathers
data on Bob profile

Hacker plans
attack based on
the risk
moments

Hacker
attacks Bob
account

Source: Credit Suisse Customer fictitious aggregated annual data

High Value Customer - Moments of risk



installs a
new app

has an
online
calendar

shops online
at a favorite
brand, in
another
location

makes a
donation
for tax
purposes

pays
regular
invoices

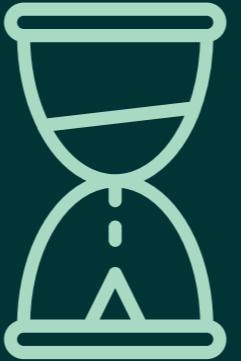
has
social
media
presence

Solution



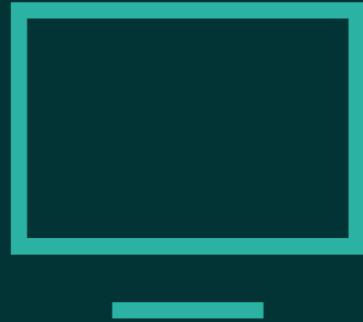
A U T O M A T E D

Data driven detection and
prediction model



R E A L T I M E

Detect Money Laundering Faster
Increase Trust with customers



S I M P L E

Visual. Dynamic. Precise.



ONE

Model

EN ▾



My Profile

Change Password

Sign Out



Dashboard

SUSPICIOUS ACTIONS

589

TOTAL ACCOUNTS

122

FLAGGED ACCOUNTS

67

PARTNERS

28

SUMMARY

Activity level

MEDIUM

Commission

\$0.00

STATISTICS

DETECTION SCORE

TOTAL LIVE ACCOUNTS

2

Active Accounts

1

Inactive Accounts



Anchor Oyster Bar \$

Frozen

3 hours ago



Medium risk

...

Starbucks Coffee \$

Operative

13/6/2017 8:23 PM



Medium risk



Kokkari Estiatorio

Operative

16/2/2017 8:23 PM



Medium risk

Search Users ...



RECENT USERS

BLOCKED USERS

Documents

Products

Balance



Vision

Current Model

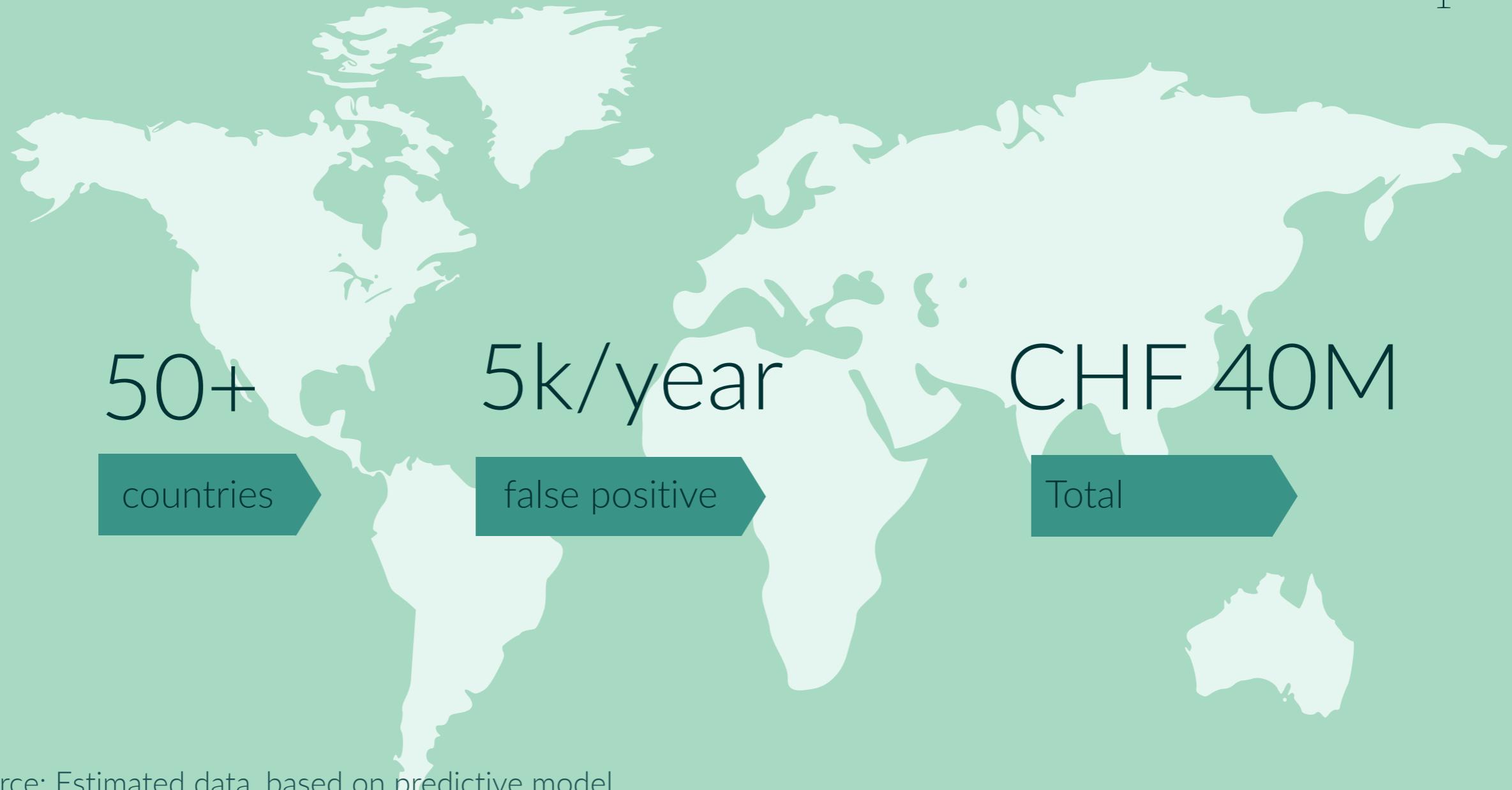


Next steps

Additional customer data:

- Nationality + Days spent in a risky country
- N. of transactions in a day variation
- ATM withdrawals in risky countries
- Same day input and ATM output

POTENTIAL: Fraud Reduction Economic Impact



Source: Estimated data, based on predictive model



Detect fraud
faster. Support our
project. Vote
Number One.

Credit Suisse

