



Delivery of digital  
initiatives

Case study:  
Deployment of India's  
Biometric Digital  
Identity Platform

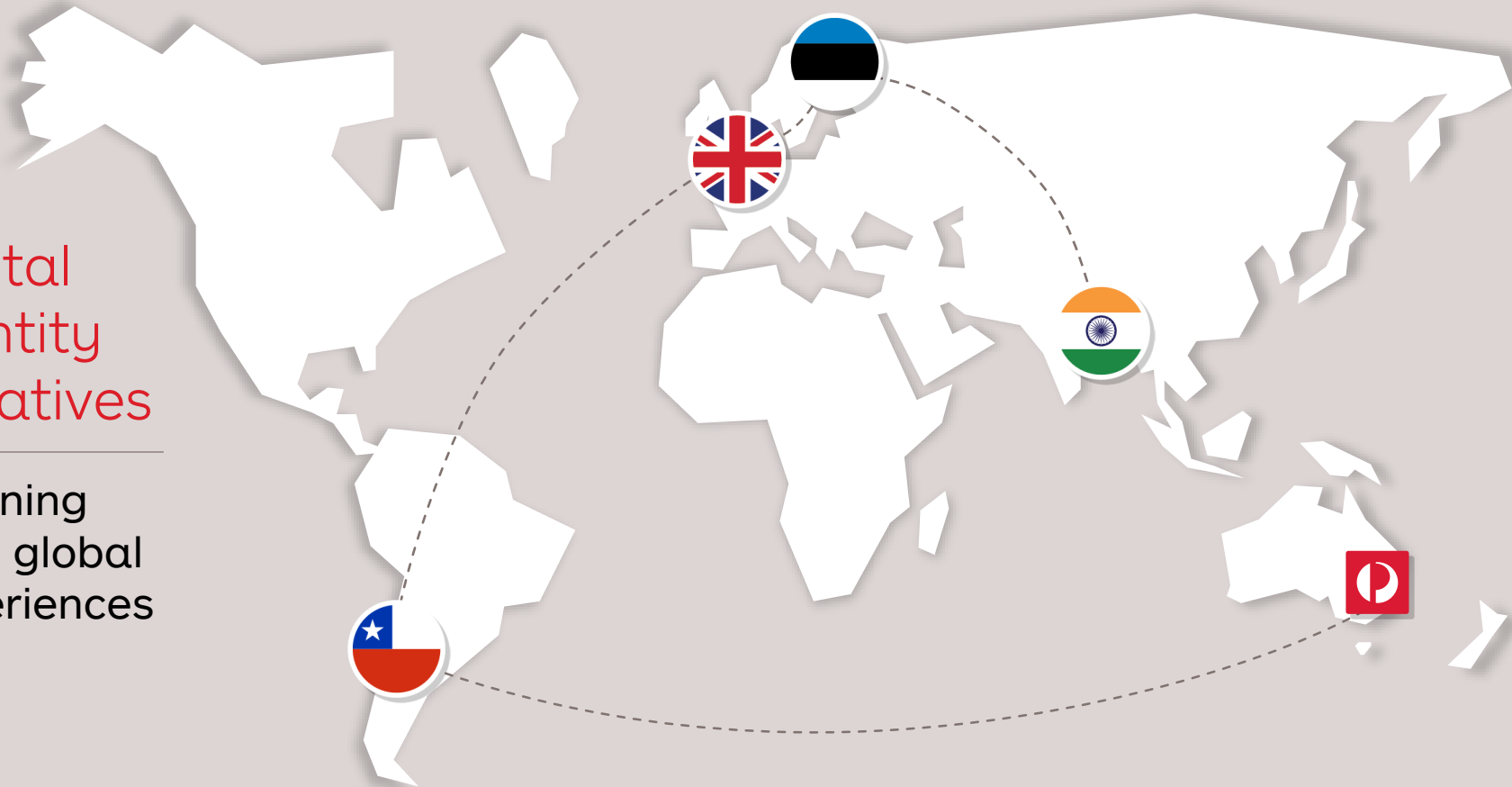
**Regis Bauchiere**

GM Identity Solutions, Australia Post



# Digital identity initiatives

Learning  
from global  
experiences





# Chile – National ID platform

Launched in 2012



Contactless



Biometric Match-on-Card  
enabled



API available to both  
public and private sector





# GOV.UK VERIFY



Open platform

Agile and iterative approach

Government services focused

Multiple ID Providers

LOA  
framework

Stringent IDPs  
certification  
process

## Checks for LoA3 identities

### Element A: Capture user-provided evidence

Collect 3 pieces  
that score 3-2-2  
**or**  
2 pieces that  
score 3-3

### Element B: Validation of evidence

For score-2 evidence,  
check it is valid **or**  
genuine.

For score-3 evidence,  
check it is valid **and**  
genuine

### Element C: Verification

Complete Knowledge  
Based Verification  
(KBV) (static or  
dynamic) **and** either:

- physical verification
- or**
- biometric  
verification

### Element D: Counter fraud checks

Complete all of the  
following:

- mortality check
- identity theft check
- zero footprint check
- set number of  
additional checks

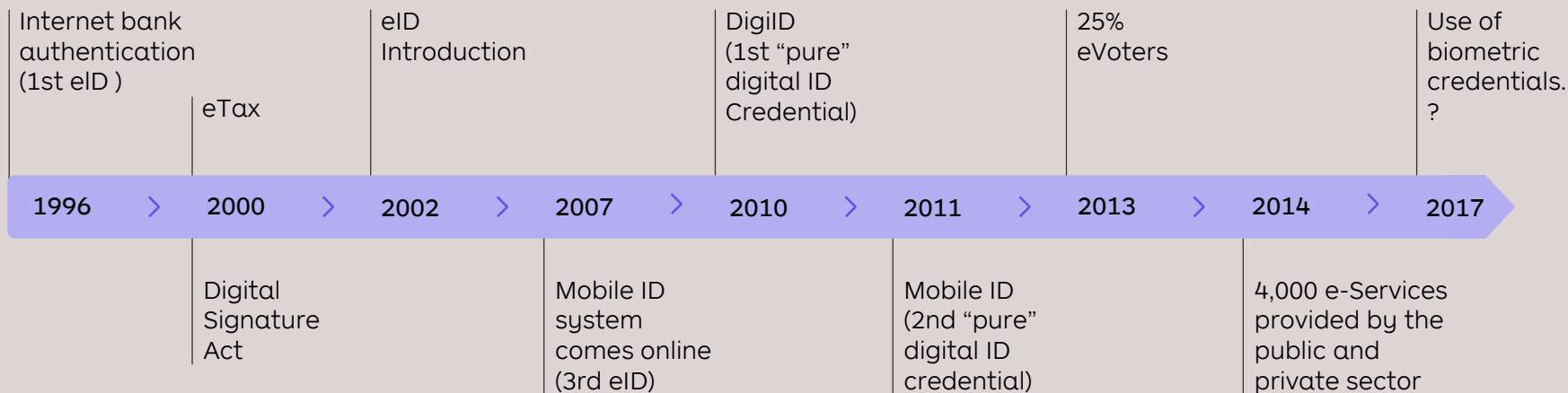
### Element E: Activity history

Check 405 days of  
history



# Estonia Digital Transformation

A journey started in the 90's



Strong government  
sponsorship

Public / Private  
partnership

Citizen incentive  
scheme

Innovation and  
result driven



# India

World's largest democracy

1.8b people

Distributor of

70% of the world's spices



Worship

330 million Hindu Gods



Languages spoken

122 major languages  
and 1599 other languages



Invented the game of

Chess

# The opportunity



Give every citizen the right of an acknowledged existence



Improve Public Services

## ► Expected outcome:



Eradicate corruption



Boost country development



Improve internal security

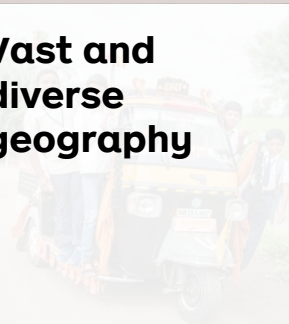


Improve perception as a modern democracy

**Poor country  
infrastructure**



**Vast and  
diverse  
geography**



**Technological  
exploration**



**Political  
scepticism**

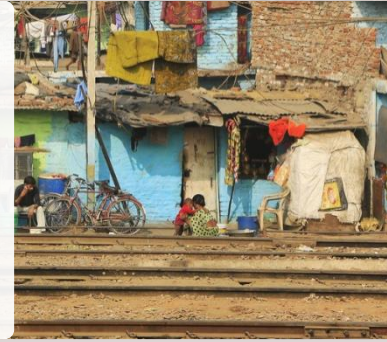
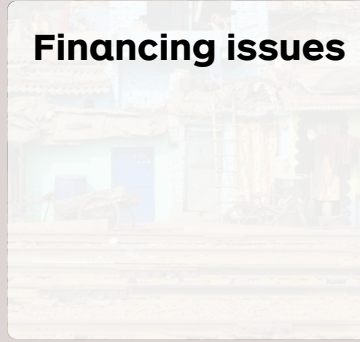


**Cultural  
nuances**



# The challenge of India

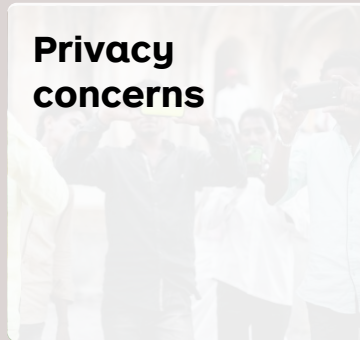
**Financing issues**



**Engaging  
opposition and  
detractors**



**Privacy  
concerns**



**Timeframe to  
complete**





# Guiding principles



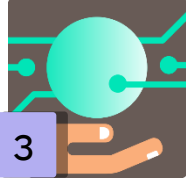
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Offer a strong value proposition



2

Build a credible solution



3

Engage stakeholders... especially the detractors



4

Time is of the essence...



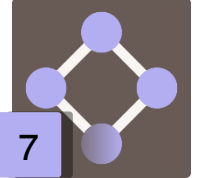
5

Design an ecosystem that is adaptable



6

Celebrate & promote successes



7

Never forget the big picture

1



# Offer a strong value proposition

**Limited number**  
of standardised identity  
attributes (KYR)

**Inclusive**  
of all citizens including children



**Voluntary** step  
No obligation

**No Profiling** attributes

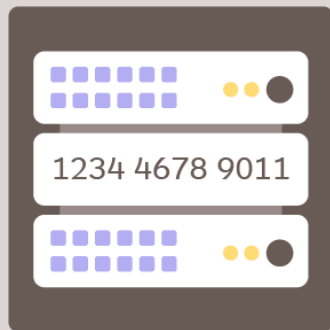
Random **unique** number  
No intelligence

**No record** of transaction

1



## Offer a strong value proposition



Central UID  
Database

1:1  
Authentication  
service



Service providers



Easy to use  
(no token or sophisticated  
technology)



On-line and real time

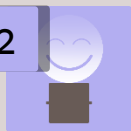


Accessible anytime  
anywhere

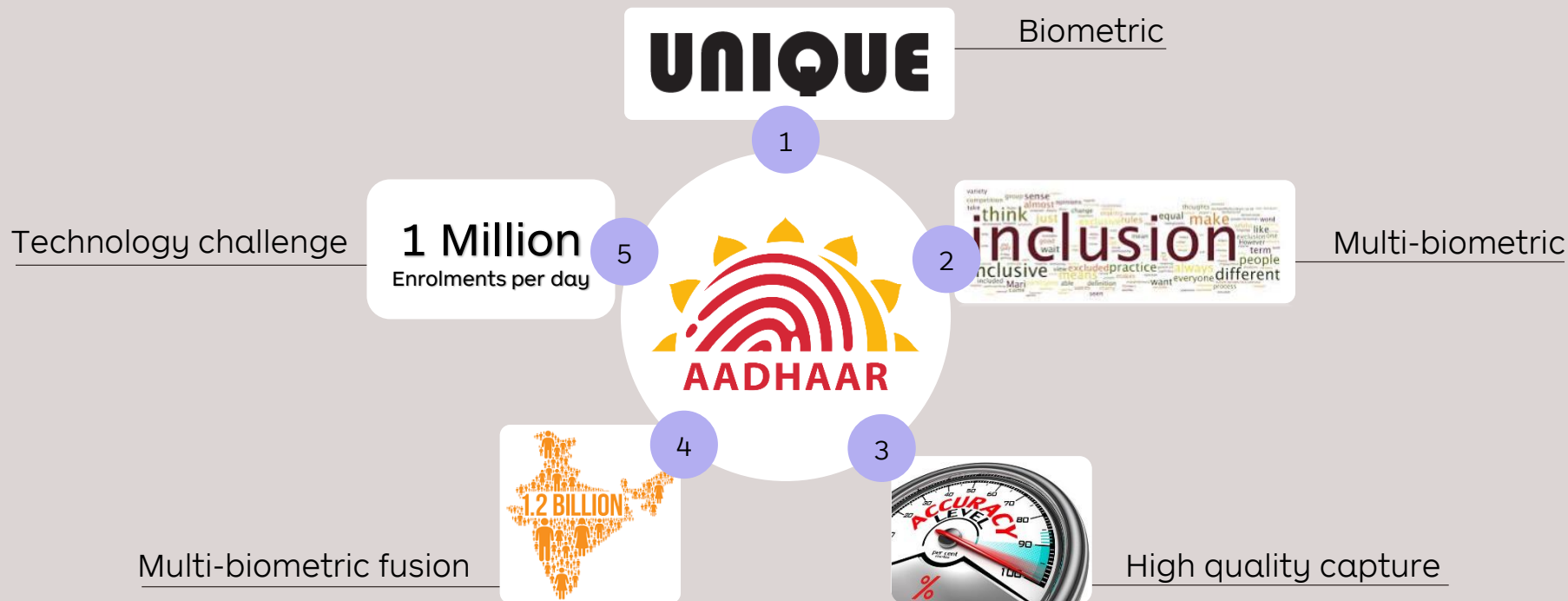


Only yes/no response –  
no details

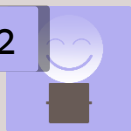
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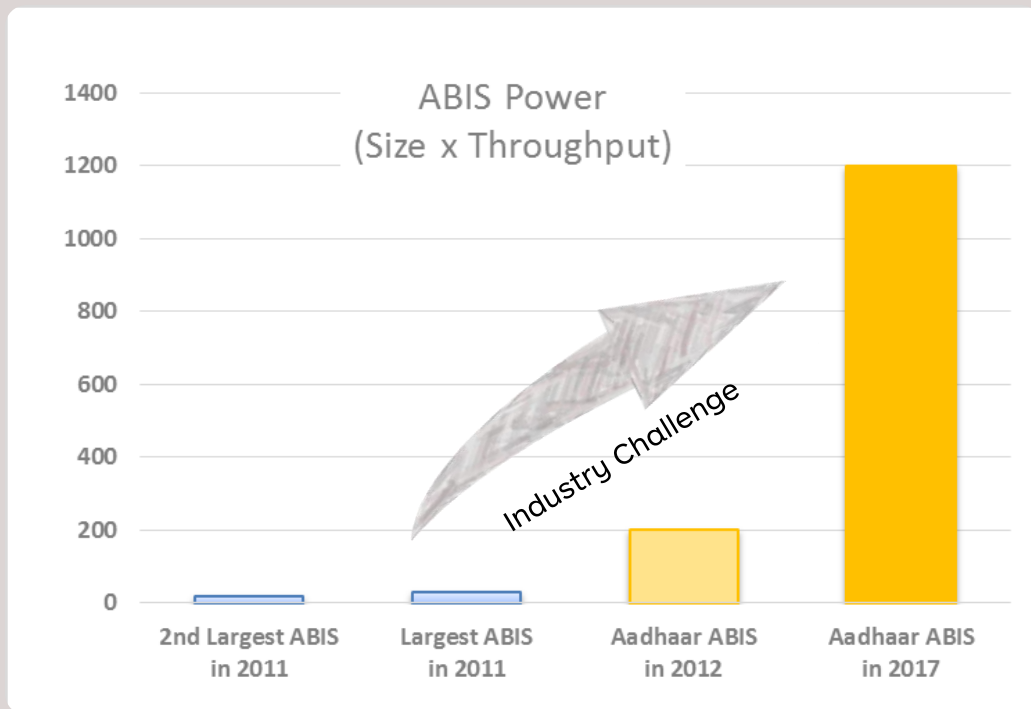
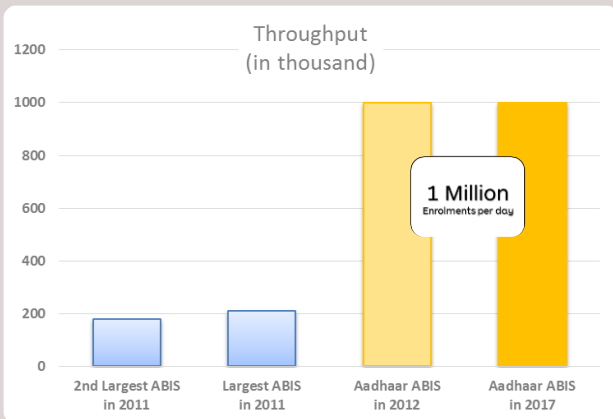
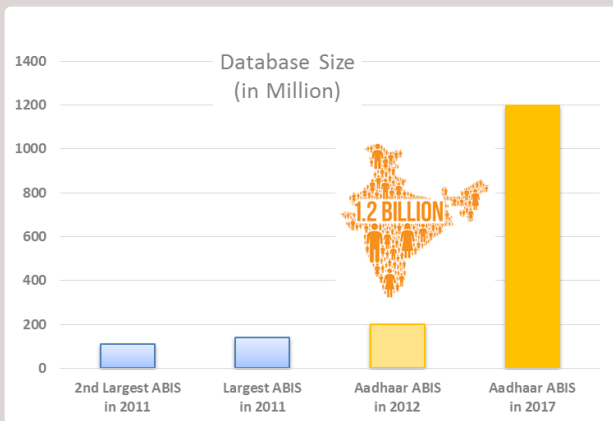
## Build a credible solution

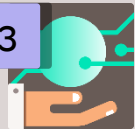






## Build a credible solution





## Engage stakeholders ... especially the detractors



Community



Federal and State  
Government



Private enterprise



Detractors



# Time is of the essence

Year 1

Year 2

2<sup>nd</sup>  
Largest  
ABIS

System implementation

Largest  
ABIS

System implementation



System implementation

Enrolment  
200 millions persons

- Mar: Biometric Capture Proof of Concept in rural areas
- Apr: Selection of Backend Middleware Developer.
- May: Shortlist of Biometric vendor (EOI)  
Launch consultation for enrolment agencies.
- Jun: RFP + Demo for Biometric vendors.  
Creation of STQC (standardisation and accreditation of Biometric terminals).
- Jul: Biometric Vendor selection on 17<sup>th</sup>
- Aug: Start enrolment in Maharastra on 1<sup>st</sup>  
Issuance of 1<sup>st</sup> Aadhaar Number on 15<sup>th</sup>.



## Design an ecosystem that is adaptable



Financial inclusion  
(80% conversion rate)



Mobile  
enablement

2009 2010 2011 2012 2013 2014 2015 2016

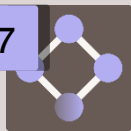
Central  
government &  
registers



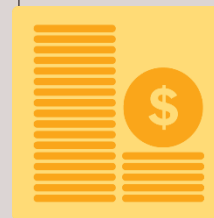
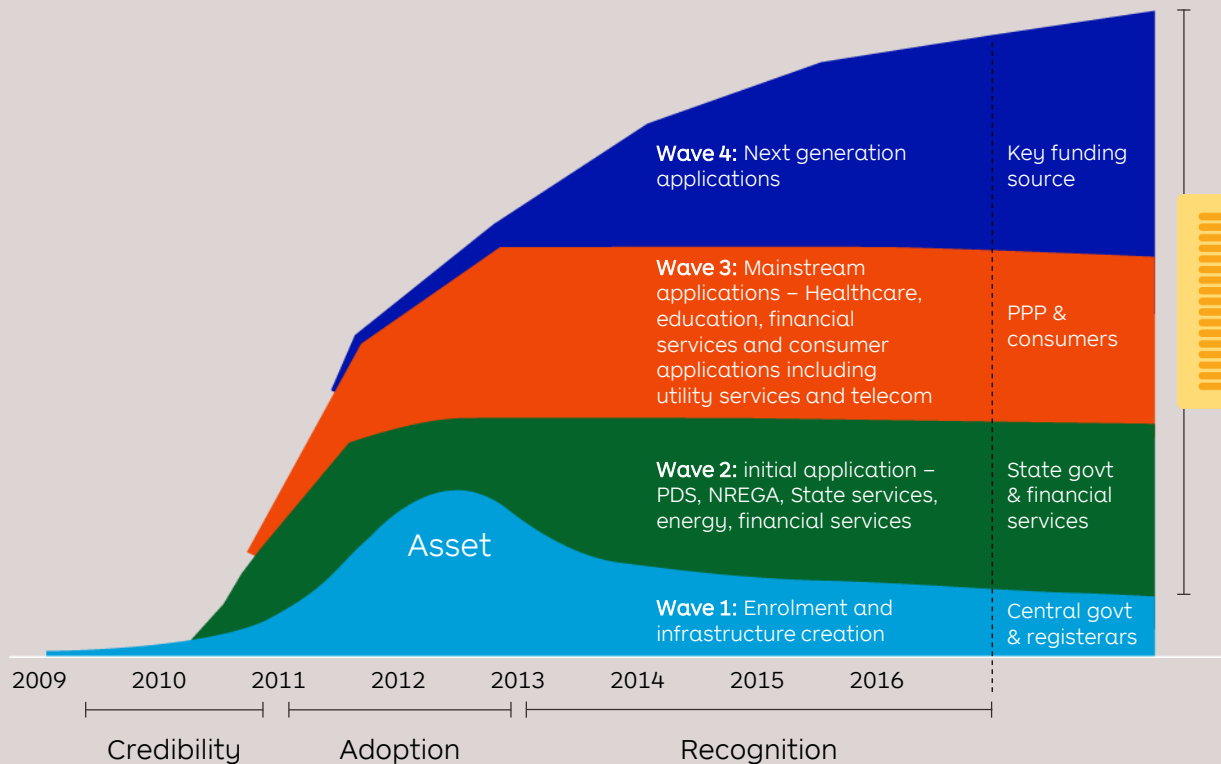
# Celebrate successes



- Comprehensive media campaign in India
- White papers & reports (e.g. role of biometrics, accuracy, ...)
- Sharing the learnings e.g. global conferences



## Never forget the big picture



Authentication services (eg. use multiple times) becomes ultimately the largest market.

Thank you

