

ATHENS, GREECE 25-27 JUNE 2019

**PAYMENT & FINTECH** 

Sponsored by: MERICAN EXPRESS



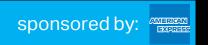




# **Opening Remarks**

Juan Ivan Martin, Head of Digital Finance, IATA





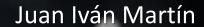


## Payments & Fintech

-Opening Remarks-

Aviation Data Symposium





Head of Digital Finance

FDS - Transformation



Athens, 25 June 2019





## **Change Drivers**



**Society** 



**Technologies** 



**Environment** 

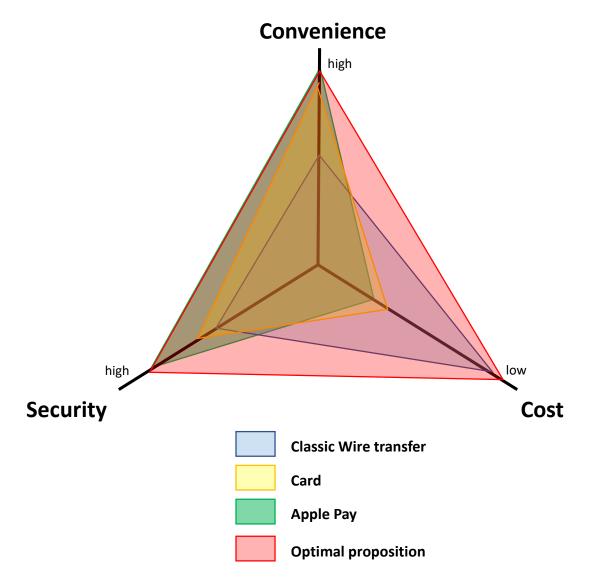


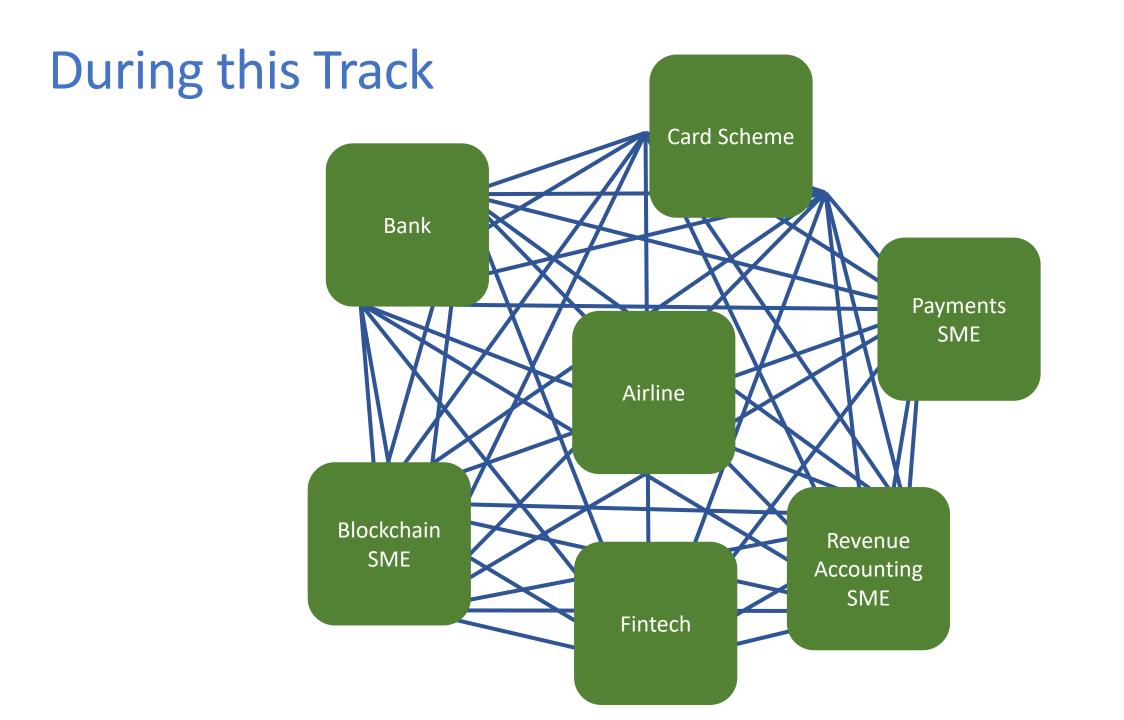
**Economy** 



**Politics** 

## Payment riddle





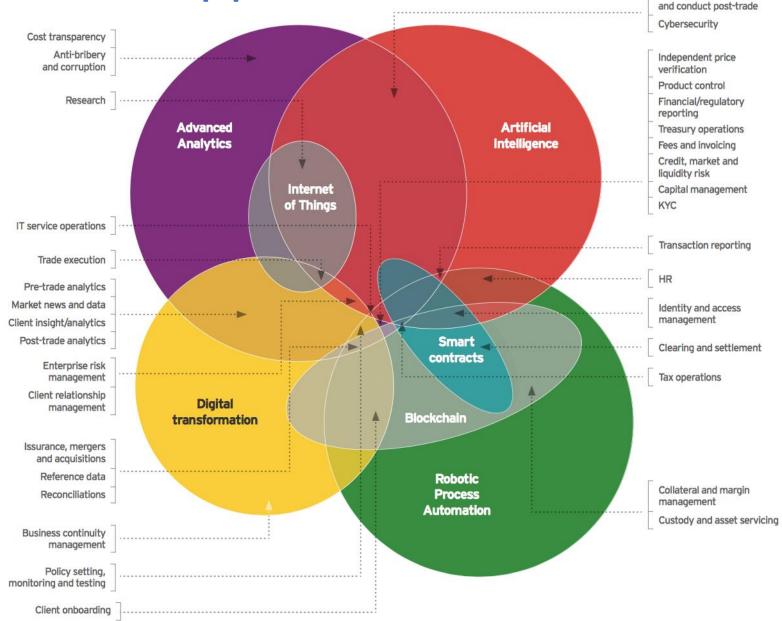
## What is IATA doing?

A digital airline vision

for finance and distribution



## Fintech areas of application



Regulatory horizon

AML and surveillance

Employee surveillance

## Blockchain in Aviation





## IATA Coin

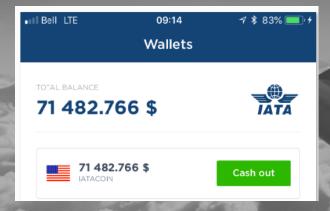


#### **Moonshot:**

Real time cross border payments at cero cost



### IATA Coin - Pilot

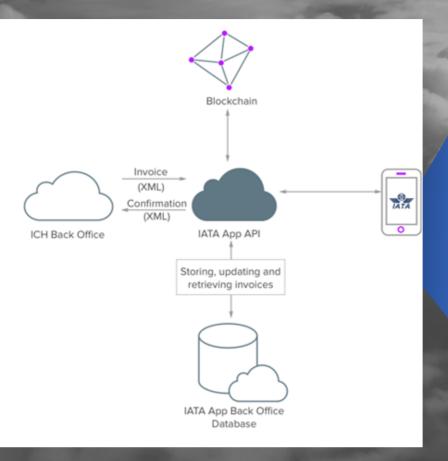


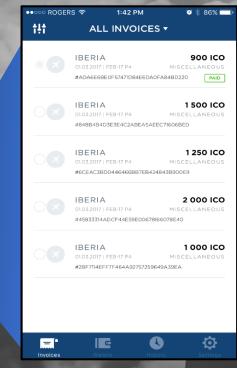
UNITED

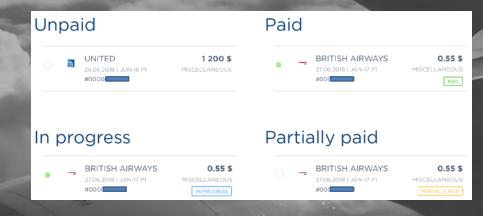
#000000302

28.06.2018 | JUN-18 P1













## IATA Coin - Conclusions

- Tech works
- Data and cash-flow acceleration
- Too soon
- Risk Adversion
- Systems not ready



## Thank you!

- Juan Iván Martín
- martinj@iata.org
- www.iata.org

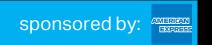




## The big picture: Facts, Figures, Market trends & regulatory framework

Pascal Burg, Director, Edgar, Dunn & Company





#### Today we will discuss key payment trends and their implications for Airlines







## What are the demand-side trends among the two types of customers in a payment transaction: (a) buyers and (b) airlines?

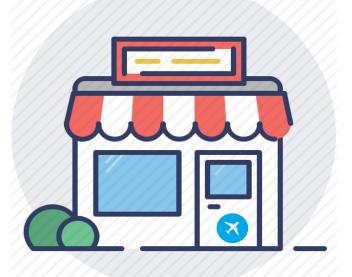
#### **Buyer Side**



#### **Demand**



#### **Merchant (Airlines)**





#### On the buyer side:

#### 1. Younger consumers are different from previous generations





Taxis & Ubers – 53%

(Middle: 29%; Older: 15%)



... and spend

Fancy Coffee – 60%

(Middle: 40%; Older: 29%)



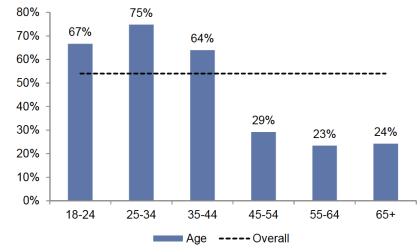
Eating Out – 79%

(Middle: 66%; Older: 56%)



More Willing To Move To Person To Person Commerce

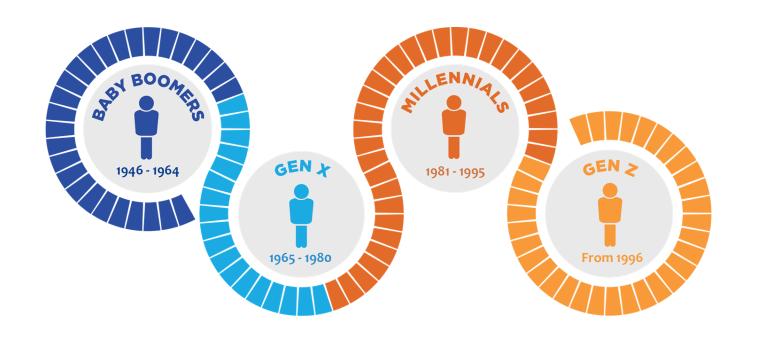
#### % of respondents who used P2P lodging sites in the last year



Source: Goldman Sachs Survey



## Millennials and especially Gen Z are the first "mobile natives", which influences their decision-making behavior and relationship to money



68% of Gen Z reads at least 3 reviews before making a first-time decision – 16% reads 9 or more reviews 25% of Gen Z is working part-time, 23% does odd jobs and other short-term work, and 22% earns their allowance

Millennials
Became The #1
Source Of Global
Income,
Spending, And

**Wealth Creation** 

In 2015

76% of
Millennials'
financial
Engagements
Are Mobile

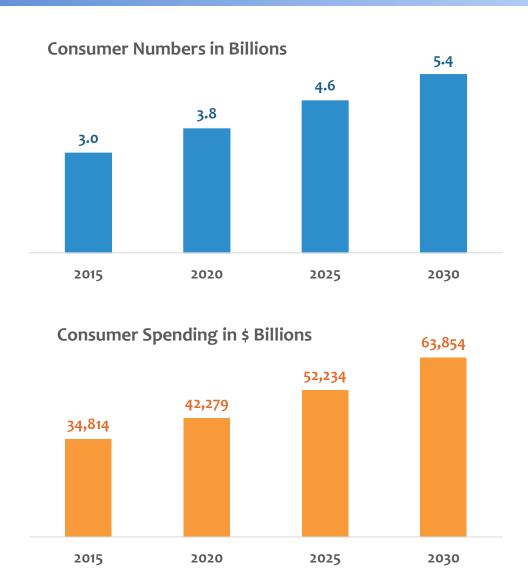
60% of Millennial
Consumers Are
Willing To Share Their
Bank Account
Credentials With
Third Parties



## 2. <u>Mass affluent consumers</u> are showing a notable and sustained growth that could be addressed by Airlines

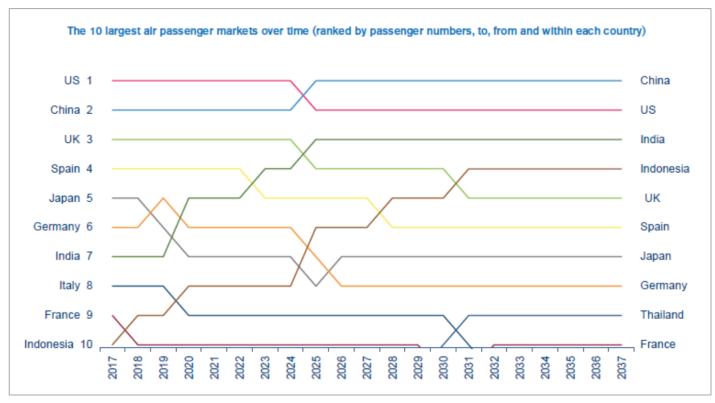
## Rapid growth in mass affluent consumers







## 3. The higher growth is coming from consumers in developing economies such as **China or Indonesia**



Annual additional passengers from 2017 to 2037:

• **China:** 1 billion new passengers

• **US**: 481 million

• India: 414 million

Indonesia: 282 million

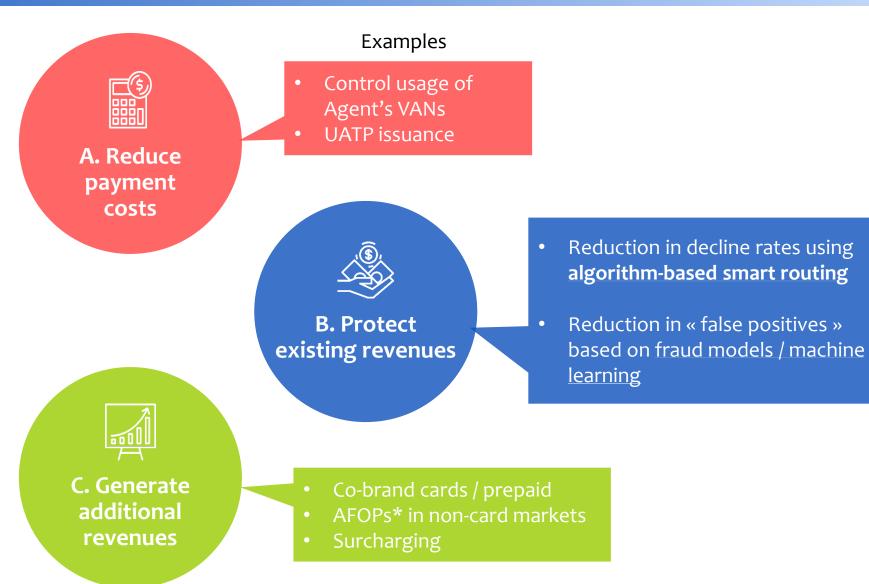




#### On the airline side:

#### Increasing focus on managing payments more strategically and on leveraging payment data

Airlines are increasingly leveraging data to reduce payment costs AND increase payments-related revenues



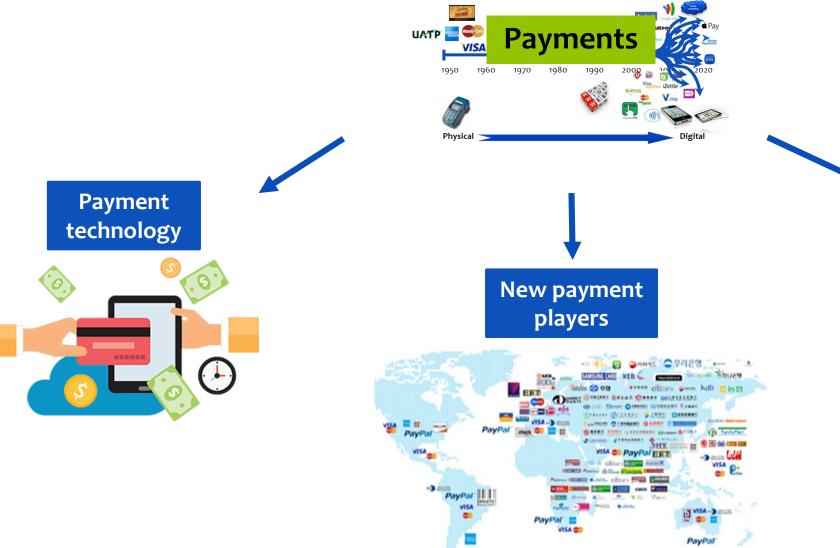
#### Today we will discuss key payment trends and their implications for Airlines







## Supply-side trends: What are the relevant payment trends?



## Payment regulation





#### 1. New technologies such as API access to bank data (via "open Banking") and Instant Payments create new opportunities for Airlines



Singapore - World's first unified payment QR code, the **SGQR** is compatible with 27 payment schemes





**Open Banking** & APIs



#### **Instant Payments**

#### Groupe BPCE now offers instant payments to customers

Wednesday 4 July 2018 | 10:30 AM CET









With Natixis Payments, Groupe BPCE has become the first banking group in France to offer instant payment to its customers.

Instant payment allows for the completion of account-to-account payments within 10 seconds. Groupe BPCE's introduction of this new service - a first in France - offers many advantages for all categories of banking and insurance customers, be they individuals, merchants, companies or administrations.

In addition, Air France and Natixis Payments are today announcing a partnership that places Air France at the vanguard of efforts by French merchants to foster the take-up of instant payment. Through the partnership, Air France customers in Europe will soon be able to buy flight tickets or pay for a service with this new means of payment.



## 2. New players offer new alternatives, but also create a more complex ecosystem



Alternative Forms Of Payment (AFOPs)





New Types of Players



"Motorcycle ridehailing phone service"

2010



"One app for all your needs"







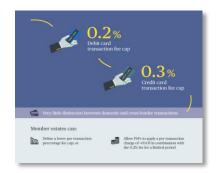
## 3. New regulations: it is key to understand the regulation changes in order to potentially gain a competitive advantage (e.g. SCA exemptions in EU)

Wide range of EU payment regulations

SCA\*



Interchange Fees



PSD<sub>2</sub>





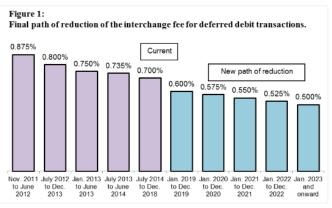
In other markets, regulators are also reducing interchange fees ...



#### RECOMMENDATION 17.1 BAN CARD INTERCHANGE FEES

The Payments System Board should introduce a ban on card payment interchange fees by the end of 2019. Any other fees should be made transparent and published.





#### Today we will discuss key payment trends and their implications for Airlines







#### So what?

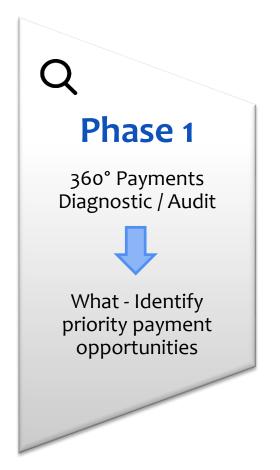
## Do you have a dedicated payments team to ...?



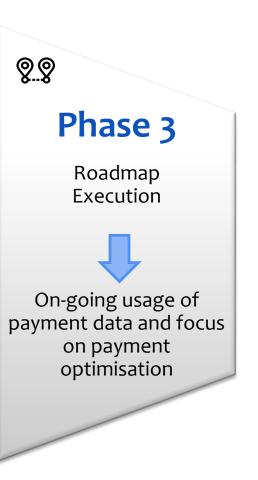




## EDC would suggest a three-phase approach to pro-actively manage payments with a P&L focus ...









## ... and build the internal set-up and partner relationships to be able to pro-actively manage payments and leverage payment data





#### **Customer-Facing**

- Policy
- User Experience





#### Internal

- Strategy / roadmap
- Payment team
- Ops processes
- Dashboard / KPIs



#### Partner – Facing

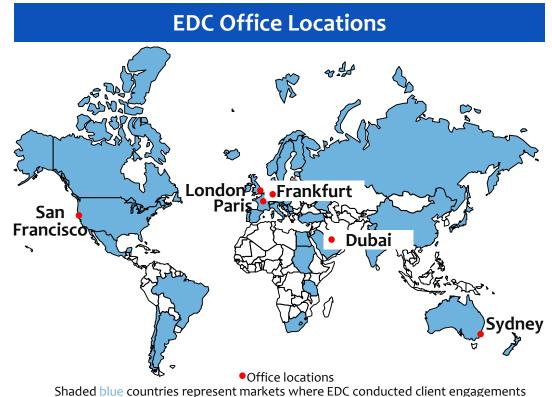
- Gateways
- Acquirers
- Fraud
- Tokenisation
- Other

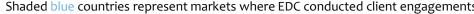


#### Edgar, Dunn & Company (EDC) is a global strategy consultancy focused on payments and with a Travel practice since 2002

#### **EDC: International consultancy** focused on payments and on travel

- > Founded in San Francisco in 1978, the firm is widely regarded as a trusted advisor to its clients, providing a full range of **strategy consulting services focused on** payments
- **Travel payments practice since 2002**, working with the entire travel value chain, including airlines, IATA, card issuers, merchant aacquirers, etc.
- If you want to discuss payments-related topics with us: pascal.burg@edgardunn.com







This document is protected under the copyright laws of the United States and other countries as unpublished work. This document contains information that is proprietary and confidential to Edgar, Dunn & Company, which shall not be disclosed outside the recipient's company or duplicated, used, or disclosed in whole or in part by the recipient for any purpose other than to evaluate this document. Any other use or disclosure in whole or in part of this information without the express written permission of Edgar, Dunn & Company is prohibited.

© 2019 Edgar, Dunn & Company (unpublished). All rights reserved.



# What can you do with Payment Data? How to extract value from customer transactions

#### **Joseph Pabst**

Vice President, Airline Risk Management, American Express









# **Networking Break**

# SITAONAIR®





















ATHENS, GREECE 25-27 JUNE 2019

**PAYMENT & FINTECH** 

Sponsored by: AMERICAN EXPRESS







# The art of predicting

Conrad Lennard, Sr. Exec, Featurespace









# The Art of Predicting

Created for The IATA Data Symposium, Athens, 2019

Conrad Lennard

Tuesday 25<sup>th</sup> June 2019

F E A T U R E S P A C E

**OUTSMART RISK** 







30 YEARS OF RESEARCH
Prof. Bill Fitzgerald and David Excell
Inventors of Adaptive Behavioral
Analytics

Working with

17 major banks globally including 4 of the 5 leading banks in the U.K.

120 MILLION

consumers protected from fraud



### A NEW WAY TO FIGHT FRAUD

Featurespace's world leading
Adaptive Behavioral Analytics focuses
on understanding customer behavior at
a granular level – so fraudulent
behaviour stands out





permanent tsb

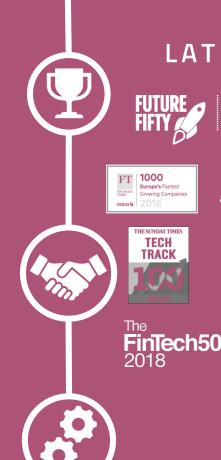




BEST ANTI-FRAUD DEVELOPMENT

Capital One U.K.'s use of TSYS Foresight Score<sup>SM</sup> with Featurespace named 'Best Security or Anti-Fraud Development' at The Cards & Payments Awards 2018

Best performing models in all areas of fraud having won every PoC we have entered (12 in 2018)



### LATEST AWARDS





















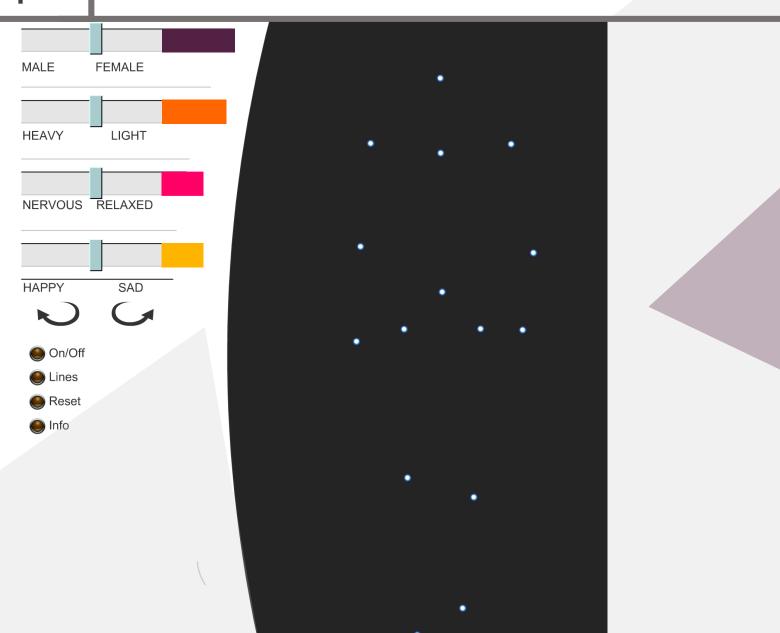




50.4 BILLION events processed per year

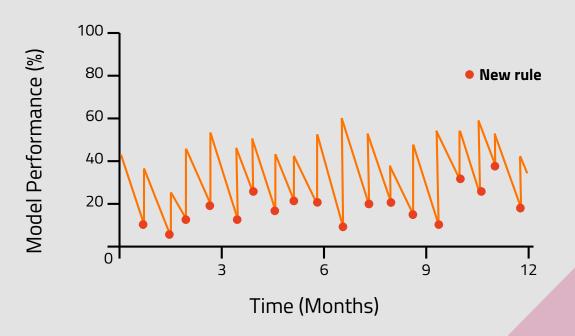


# About **Featurespace**



# Model **Performance**

The main fraud prevention solutions available today show significant differences regarding their performance.

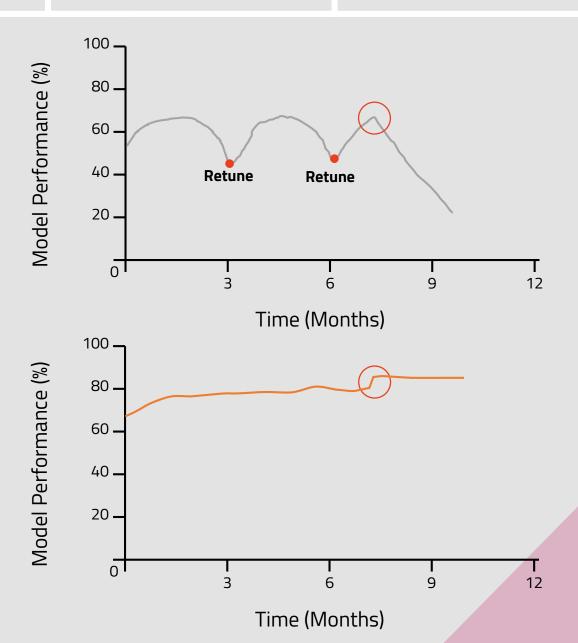


- Rules-Based Fraud Prevention
- Machine Learning Fraud Prevention
- Featurespace Adaptive Behavioral Analytics

#### **Rules-Based Fraud Prevention**

- Performance drops drastically as fraudsters change their MO
- High maintenance costs
- Difficult to manage due to the number of rules required and their complexity
- Cannot prevent new types of fraud

# Model **Performance**



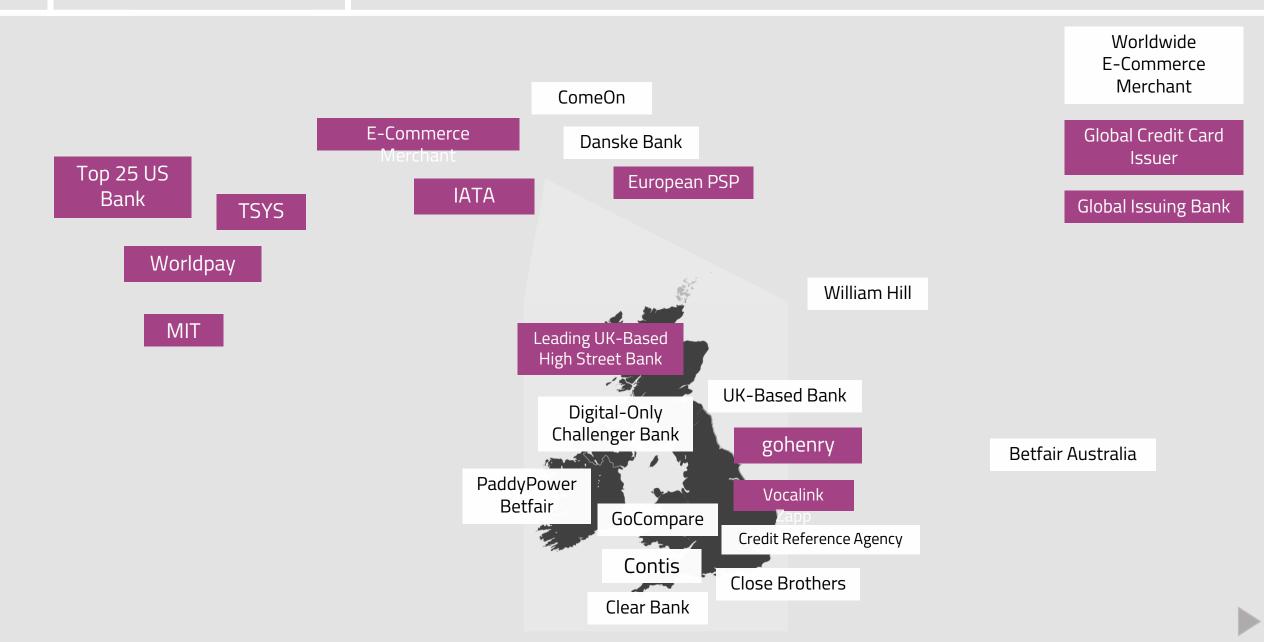
### Traditional "Machine Learning" Fraud Prevention

- Frequent retunes needed
- Done quarterly or even yearly
- Model performance may drop dramatically between retunes
- Cannot react quickly to fraud attacks that happen shortly after retune

### Featurespace Adaptive Behavioral Analytics

- Self-learning models
- No manual retuning required
- Truly adaptive

# Our **Customers**





Building a new transactional fraud detection system with a global credit card issuer with over 1m U.K. customers

70%

Reduction in genuine transactions declined

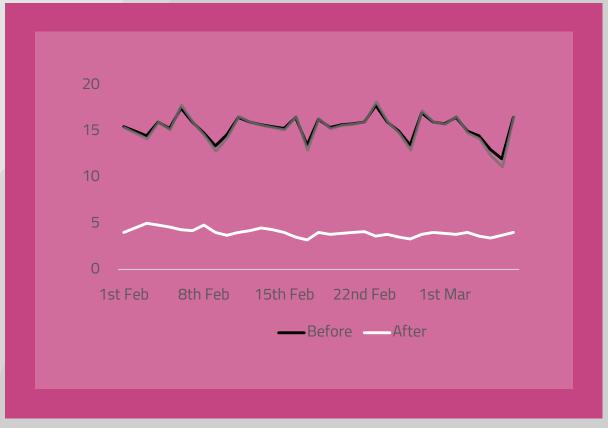
80%

Reduction in genuine transactions declined CNP

39%

Reduction in fraud losses

#### Number of false positives using Adaptive Behavioral Analytics







# Merchant monitoring for one of the world's fastest growing global acquiring networks

"What is particularly clever about Featurespace's system is that it can learn from new types of fraud; allowing it to keep up with the 'arms race' against innovative criminals."

- Felicity Hannah, The Independent

**5**B%

Reduction in daily chargeback value

604%

Decrease in daily mid level alerts

58%

Reduction in average fraud value





# Offering a real-time risk management solution to the trade organisation for the world's airlines

"IATA has a fundamental responsibility to protect the financial systems that make today's integrated global air transport network possible.

Safer selling is a key component of IATA's NewGen ISS program and this agreement with Featurespace will provide IATA's customers with an additional layer of security."

– Juan Antonio Rodriguez, Director, Financial and Distribution Services Operation, IATA IATA represent **290 airlines**, with a **passenger count of 2.7b** 

...that's **82% of total air traffic** 

International Air Transport Association
ARIQASCORES overe 2.16 Matransactions per
yearheir selling environments' safety as part
of the NewGen ISS program. A key feature
is the Remittance Holding Capacity (RHC).
In 2019 ARIC will score 95% of the world's
travelagentairline ticket card sales
Behavioral Analytics platform ARIC™ will

In 2019 ARIC Will score 95% of the world's travel agents and airlines. travel agent airline ticket card sales



# Thank You

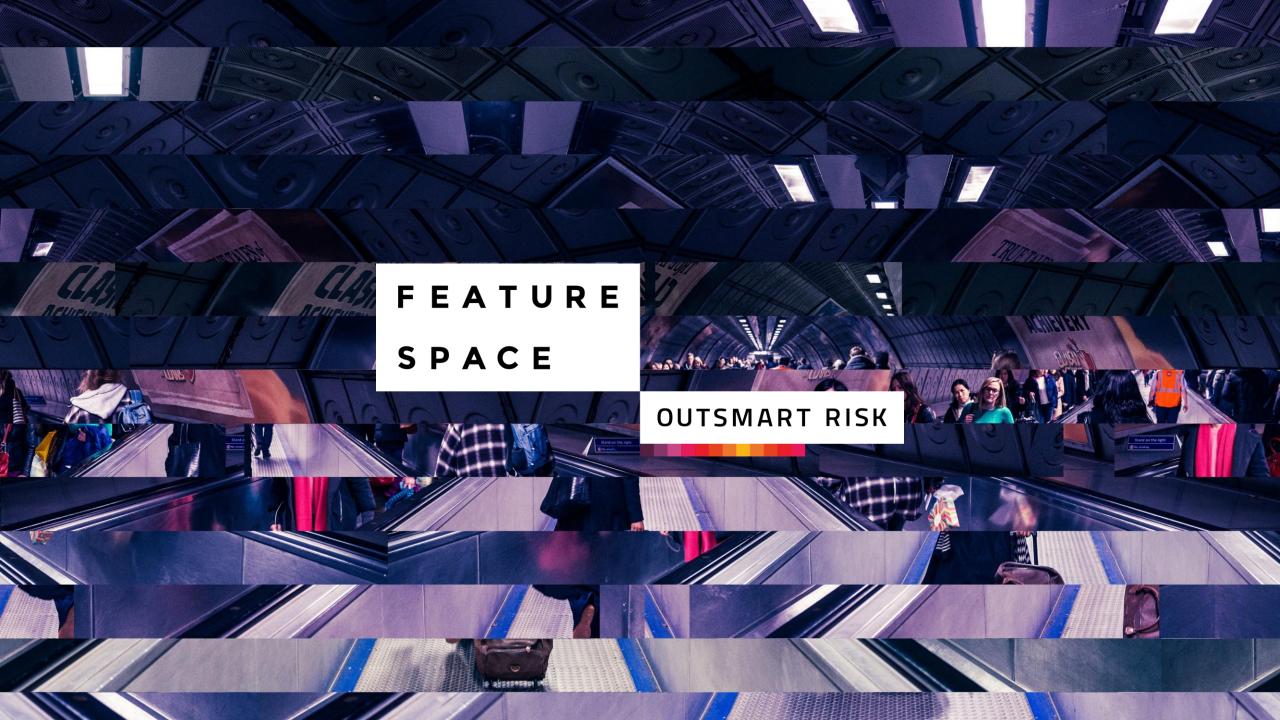
# **Get in Touch**

info@featurespace.com www.featurespace.com



F E A T U R E S P A C E

**OUTSMART RISK** 





# Open Banking

Benjamin Madjar, Director, Deutsche Bank

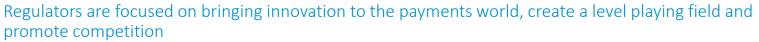








#### 1. Open Banking (1/2





Open Banking will increase innovation and competition in the banking and payments landscape by forcing banks to allow Third Party Payment providers (TPPs) access to data if the account owner wishes

#### What is Open Banking?

- Banks will have to open up their own systems to incoming API¹ calls from licensed and regulated TPPs to collect account information and instruct payments for consumers
- Push Payments is one particular service enabled via Open Banking, enabling real or near real time payments via SCT, SCT Instant or local ACH, avoiding card networks and other PSPs, creating a cheaper alternative to card based payments
- Open Banking is deployed in Europe under PSD2 (Revised Payment Service Directive)

Regulators are focused on bringing innovation to the payments world, create a level playing field and promote competition



#### Specific regional examples



EU is pushing for open banking API's through PSD2



National Payment corporation of India, launched a set of APIs in 2016 to create a payment ecosystem



In Australia, banks have been asked to open up their architecture and share access to data to competition by July 2018



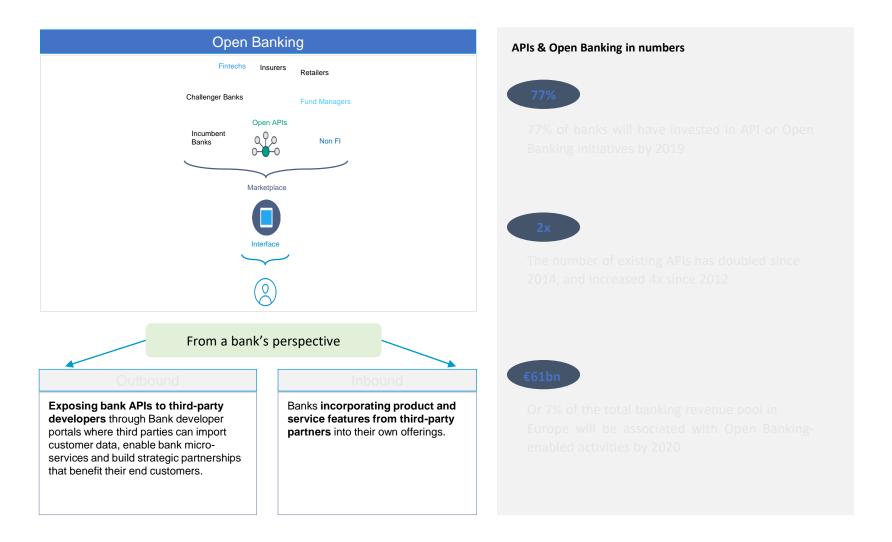
n US, banks have offered API based solutions in collaboration with third party players

<sup>1)</sup> Application Programming Interfaces (APIs) are conduits which allow secure and controlled data sharing between systems

#### 1. Open Banking (2/2



#### New service models leading to improved client experience



#### Increasing pan-European competition and improving customer rights



#### **Main Objectives**

- Promoting payment innovation and adjusting legal requirements
- Increasing the safety of payment transactions and payment services
- Increasing consumer safety
- Specifying scope and exemptions

#### Timelines





#### Key Stakeholders











EBA



National Governments in European Union



#### **Key Changes**

- Scope extended to all currencies, and to payments where only one provider is located in the EU/EEA
- It introduces strict security requirements for the initiation and processing of electronic payments, and for the protection of consumers' financial data.





#### Consent

#### Strong authentication

- It introduces so-called Third Party Providers (TPPs)
- All TPPs with a "eIDAS" certificate can access the PSD2 TPP API

#### 2. PSD2 (2/6)

#### **New Services**



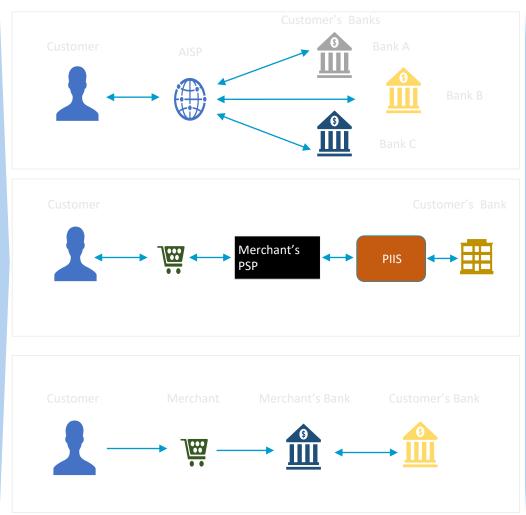
#### New PSD II Services



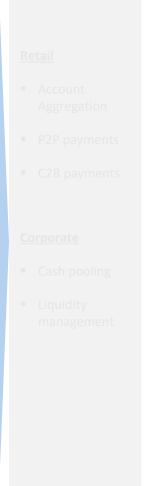
Payment Instrument Issuer
Service (PIIS)
Enquire about availability of funds in relation to specific payment

instrument

Payment Initiation Service
(PIS)
Initiate payments from other accounts as a service for merchants

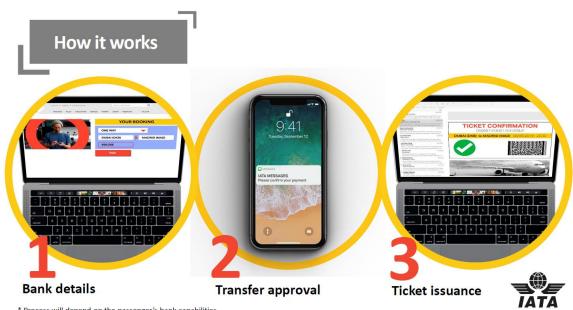


#### Use Cases (e.g.)



#### IATA PAY Solution Overview





#### \* Process will depend on the passenger's bank capabilities

#### Why IATA Pay?



#### **Airlines**

- Risk free (low fraud);
- 2. Instant / near real-time settlement;
- 3. Eliminated interchange fee costs.



#### Passengers

- 1. Seamless passenger experience;
- 2. DB branding brings trust & confidence to solution;
- 3. Push Payments will be a familiar payment method for passengers.

# 2. PSD2 (4/6) - Payment Initiation Service (PIS) PIS as an Alternative to Credit Cards



	Factors	Cards	Pay with AIRPAY  AIR  OUTUGE OF DESCRIPTION (2)  PAY  Zib or 50x-occurs 8  Push Payments  Recommended for lowest fees		
	Familarity	Existing solution known to consumers	New payment method – will become more familiar over time as SCT		
	Benefits	Credit cards provide credit, travel insurance etc.	To be defined by Merchant – can be tailored		
	Trust	High trust – used many times before	Leverage name of DB branding, as well as Industry based solution		
	Cost	Merchant may charge booking fee, no SCT Inst. cost	SCT Inst. cost – this will fall over time as it becomes commoditised		
	User Experience	3DS is used for 2FA	Redirect user experience, potential to optimise through IBAN capture for frequent flyers Funds flow out of account real-time adds trust		
	Refunds	Refund and claim back from Merchant, however not real-time	Real-time refunds		
	Price	Charge between 1-2% for Debit Cards, and 2-3% for Credit Cards	Significantly cheaper, especially for higher transaction items		
	Finality of Payment (Risk)	Payment not typically final	Using SCT Inst., finality of payment <10 sconds		
	Fraud	Card fraud of ~0.25%	Low utilising 2FA		
	Liquidity	Typically D+1 – D+3	Real-time utilising SCT Inst. with real-time reconciliation		
	Integration	Existing integration	Can be integrated directly, or via certain Payment Gateways to minimise requirements		

#### 2. PSD2 (5/6

#### Implications on GDPR, Data, Cyber Security (1/2)

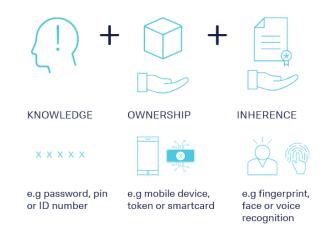
# /

#### **GDPR**



- GDPR is a regulation that requires businesses to protect the personal data and privacy of EU citizens
- It came into effect in May 2018 and covers how data is collected, stored, processed and destroyed

One of PSD2's key requirements is that banks must add SCAs for all remote access to customer accounts. This means that when authentication is required, two of three factors will be applied: something the customer is, something the customer has and something the customer knows.





Failure to implement these capabilities properly may also expose banks to potential loss of sensitive customer data and, under GDPF may lead to fines up to 20mn euros or four percent of worldwide group revenues.



PSD2 isn't limited to bank transfers, the card payments industry is also bound by PSD2 rules around Strong Customer Authentication.

#### Data

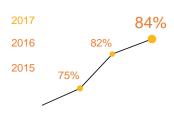
**IDAS:** Electronic Identification, Authentication and trust Services – A set of standards for electronic dentification and trust services for electronic transactions. This certificate will be granted by the ompetent authority.

#### 2. PSD2 (5/6)

#### Implications on GDPR, Data, Cyber Security (1/2)



The cost of cybercrime will continue to increase as more processes, corporates and consumers globally go



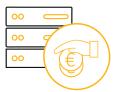
Companies victim to at least one fraud in the past year<sup>1</sup>

#### \$500Bn



Potential cost of cybercrime globally<sup>2</sup>

#### \$3.8 Mio



Avg. cost of a data breach for the average company<sup>2</sup>

#### Strategic pillars to combat cyber risk in Transaction banking



# **Customer** awareness

Education, thought leadership and regular updates on current fraud scenarios, countermeasures and best practices



# Secure client communication

Information exchanges need to be protected from disclosure to and manipulation by third parties



# Strong authentication

Strong means of authentication are required to ensure that only entitled individuals can retrieve information, initiate or authorize transactions on specific accounts



# Technical preventive measures

State of the art technical capabilities are required to protect electronic banking channels from third party manipulation



# Fraud monitoring & detection

Transaction flows are to be monitored to identify anomalies and unexpected behaviour to alert clients or competent authorities

Source: 1) Kroll, 2) Microsoft

#### Disclaimer



This presentation is for information purposes only and is designed to serve as a general overview regarding the services of Deutsche Bank AG, any of its branches and affiliates. The general description in this presentation relates to services offered by the Global Transaction Banking of Deutsche Bank AG, any of its branches and affiliates to customers as of June 2019, which may be subject to change in the future. This presentation and the general description of the services are in their nature only illustrative, do neither explicitly nor implicitly make an offer and therefore do not contain or cannot result in any contractual or non-contractual obligation or liability of Deutsche Bank AG, any of its branches or affiliates.

Deutsche Bank AG is authorised under German Banking Law (competent authorities: European Central Bank and German Federal Financial Supervisory Authority (BaFin)) and, in the United Kingdom, by the Prudential Regulation Authority. It is subject to supervision by the European Central Bank and the BaFin, and to limited supervision in the United Kingdom by the Prudential Regulation Authority and the Financial Conduct Authority. Details about the extent of our authorisation and supervision by these authorities are available on request.

This communication has been approved and/or communicated by Deutsche Bank Group. Products or services referenced in this communication are provided by Deutsche Bank AG or by its subsidiaries and/or affiliates in accordance with appropriate local legislation and regulation. For more information <a href="http://www.db.com">http://www.db.com</a>

Copyright© June 2019 Deutsche Bank AG. All rights reserved.



# Revenue Accounting: final barrier

Mark Costa, Director, Deloitte







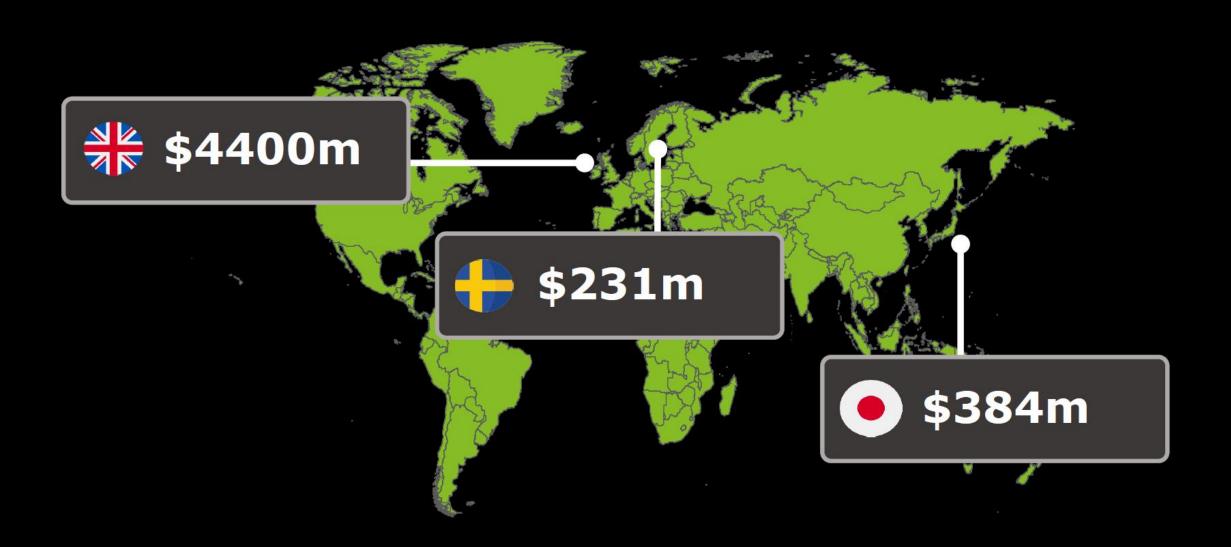
# Deloitte.



Revenue Accounting: Solving the Data Challenge Mark Costa, Deloitte IATA Aviation Data Symposium June 2019

# A global trend

The introduction of ticket taxes is taking place worldwide



# 24/7 Airline Operations

A non-stop stream of tax events, from across the globe



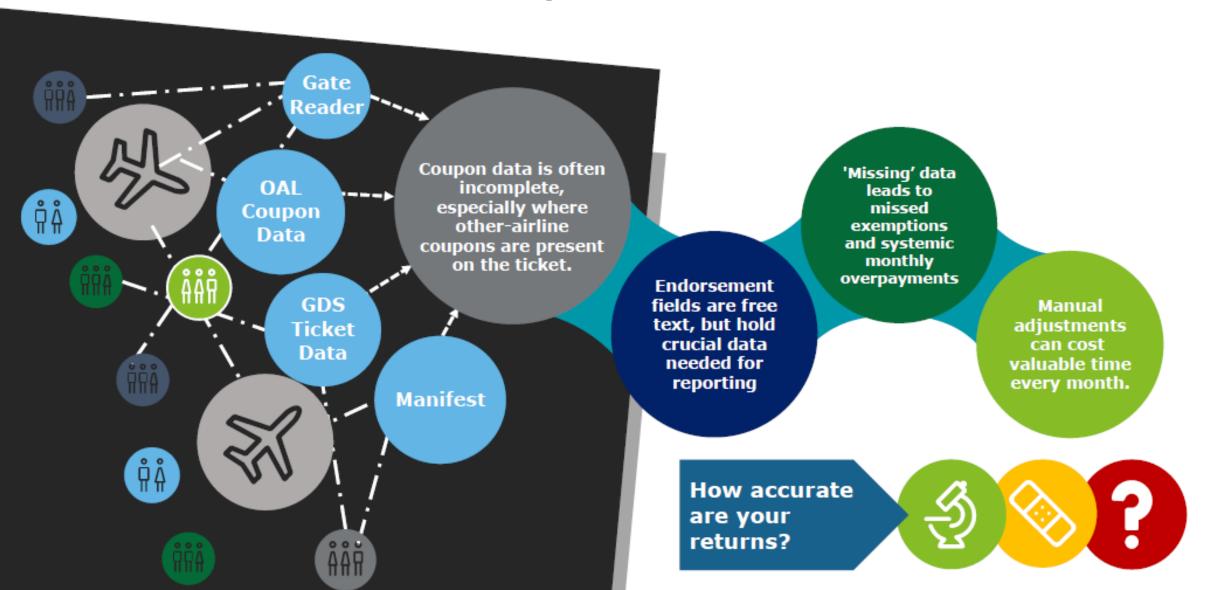
### 24/7 Airline Operations

A non-stop stream of tax events, from across the globe



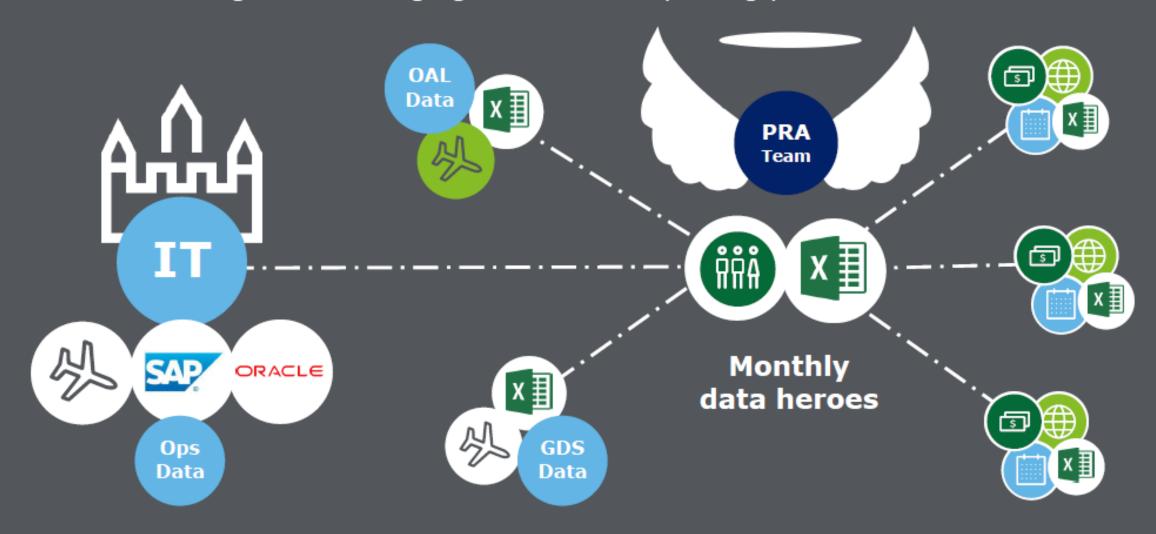
### The Current Challenge

How to transform data from many sources into useful information?



# What happens today, every month?

Reliance on IT + regular, challenging month-end reporting process



# Case Study UK Air Passenger Duty

### **UK APD**

#### An Overview



### Payable on chargeable passengers departing the UK

2018 rates	Economy	Premium Eco, Business or First
Band A	£13	£26
Band B	£78	£156



### Not payable on exempt passengers or journeys

### Young persons

- Unseated infants (under 2 years old)
- Under 12 years old for flights departing since 1 May 2015
- Under 16 years old for flights departing since 1 March 2016

#### Connections

Transfers within the relevant time limits

#### Others

Operational Staff, Deportees, NATO

# **APD Data Compliance Matrix**

What are the data points involved?

APD	Flight Date	PAX Identifier	Young Person & Infant Info	APD Charged	Exemption Reason	APD Band
Booking	PNR & Creation Date	Number in Party	PAX Name & DOB	Issuing Station	Flight Times & Numbers	Action Codes
Tickets	Issuing Carrier	Ticket Number	Origin & Destination	Carrier (Op & Actual)	Conjunction Ticket No's	Endorsements
Coupons	Issuing Carrier Ticket Number	Path No & Sequence	Flight Times & Number	Coupon Status Code	Origin & Destination	RBD/Cabin
Check-in	PAX Identifier	PAX Identifier	Check-in Time	GDS/Action Codes	Infant Indicator	Flight Time & Number
Boarding Gate	PNR & Creation Date	PAX Identifier	Check-in Seq Num	Boarded Y/N & Time	Lap Infant Indicator	Flight Time & Number

### The potential overpayment for just one daily flight over a year

Based on the configuration and load factor for a typical aircraft



Deloitte Airlines
DO2018 ➤ LHR ► JFK B777 F6/ J49/ Y270

The proportion of seats ac	ctor 97% ross all classes that are full. ssengers will be exempt from se of this example.	Overpayment Rate 2.0%		
Total APD 1 Flight	Chargeable Pax 1 Flight	Overpayment 1 Flight	Overpayment 365 Flights	
£26,052	286	£521	£190,165	

This illustration has been written in general terms and therefore cannot be relied on to cover specific situations: application of the principles set out will depend upon the particular circumstances involved and we recommend that you obtain professional advice before acting or refraining from acting on any of the contents of this document. Deloitte LLP would be pleased to advise readers on how to apply the principles set out in this document to their specific circumstances. Deloitte LLP accepts no duty of care or liability for any loss occasioned to any person acting or refraining from action as a result of any material in this document.

# Solutions

#### What's best in class?

Assurance across your route network

Using an analytics based approach, our tools are able to do a comprehensive review of your data, alongside our tax team advising on process change.

Check the accuracy of your source data



Take a fresh, deeper look through your historical data



Using your lookback to submit corrected returns



Reduce the time are you spending monthly on compliance processes

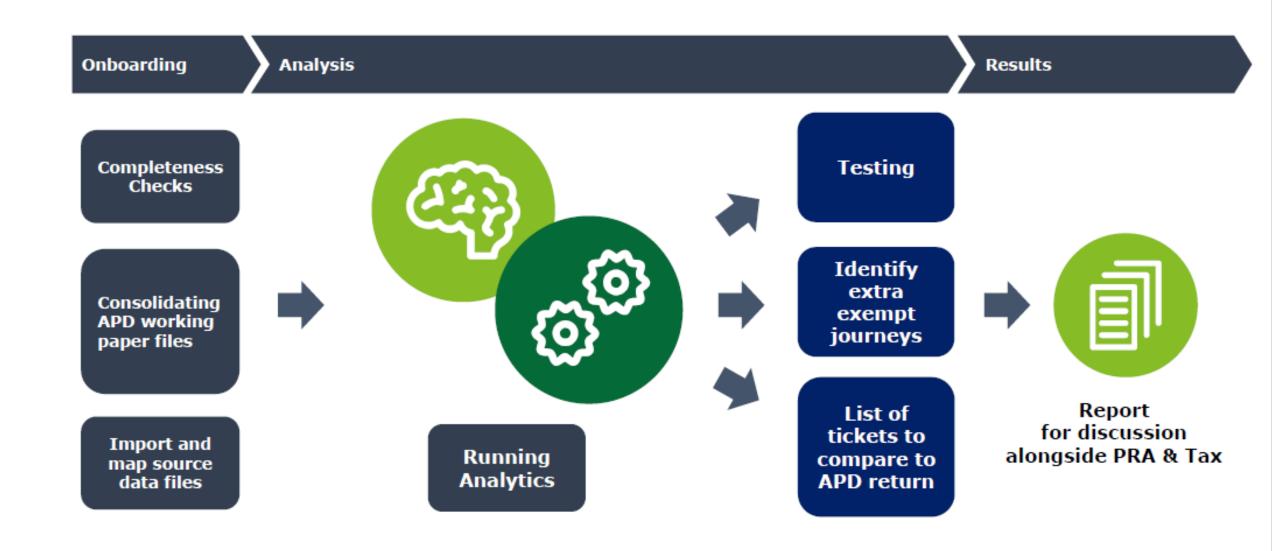


Use better tools to handle large volumes of data





#### **Ticket Tax Review**



## Demo's

## **Any Questions?**

## Thank you!



Mark Costa
Director
markcosta@deloitte.co.uk

#### Deloitte.

This publication has been written in general terms and we recommend that you obtain professional advice before acting or refraining from action on any of the contents of this publication. Deloitte LLP accepts no liability for any loss occasioned to any person acting or refraining from action as a result of any material in this publication.

Deloitte LLP is a limited liability partnership registered in England and Wales with registered number OC303675 and its registered office at 1 New Street Square, London, EC4A 3HQ, United Kingdom.

Deloitte LLP is the United Kingdom affiliate of Deloitte NWE LLP, a member firm of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee ("DTTL"). DTTL and each of its member firms are legally separate and independent entities. DTTL and Deloitte NWE LLP do not provide services to clients. Please see www.deloitte.com/about to learn more about our global network of member firms.

© 2018 Deloitte LLP. All rights reserved.



## Is Blockchain fit for Data?

Nicolas Kozakiewicz, Fellow, Atos









#### Currencies



Trade

- **Exists since Humanity**
- **Base for Society**
- **Base for Commerce**

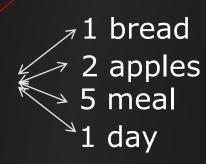
(easy and Immediate)

# Mean of exchange, vehicle for Value

#### Currencies



- Traded kg of bread for 2 kg of apples
- Traded meal for harvest day
- Needed a standard of conversion (1 Cur)



#### But both require that:

- Users adopt that currency (i.e. believes in its Solvency)
- Exits a vast enough « merchand » network (i.e. enough other users I want to trade with also believes in its Solvency)

It's a TRUST matter mainly

- Solvency can
- Service embeds vauns, casmer desks, enceks, cards, acms, ... ranything to make the now between safety stored carrency and payment seamless

#### Worldline

diate

## **B**bitcoin Era

- Response of Cyberpunks to the Digital Transformation
- Use Internet to replace the fiat currency system just like for the other businesses....

But...



Backed up onto nothing Full speculatory

Slow (60'), not scalable not eco friendly, expensive...





Blockchain is the new multi-market trust-aceable protocol for End 2 End Digital Services.



#### Blockchain Classical Context



Need to trace/ log events or data / But without native trust



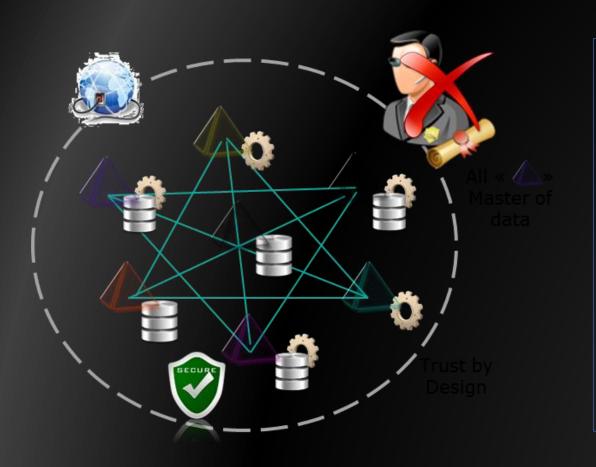
## Going to De/Centralized services





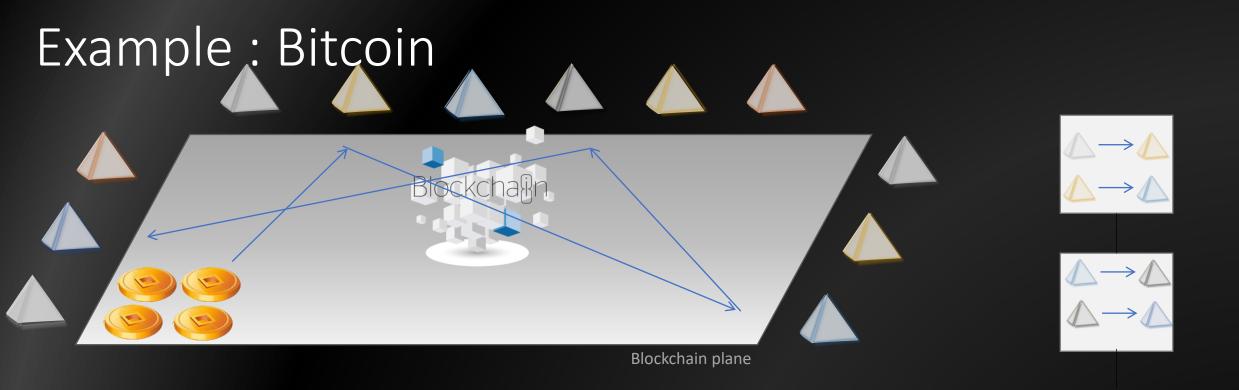
Decentralized Governance

#### Assets



Trusted-party free yet Secured by design Scalable by design Multi-tenant by design Easily interfaceable with ISs Stand alone (little traction with other services, simple APIs) Managed access to Data Easily Auditable by design Easily Evolutive by design



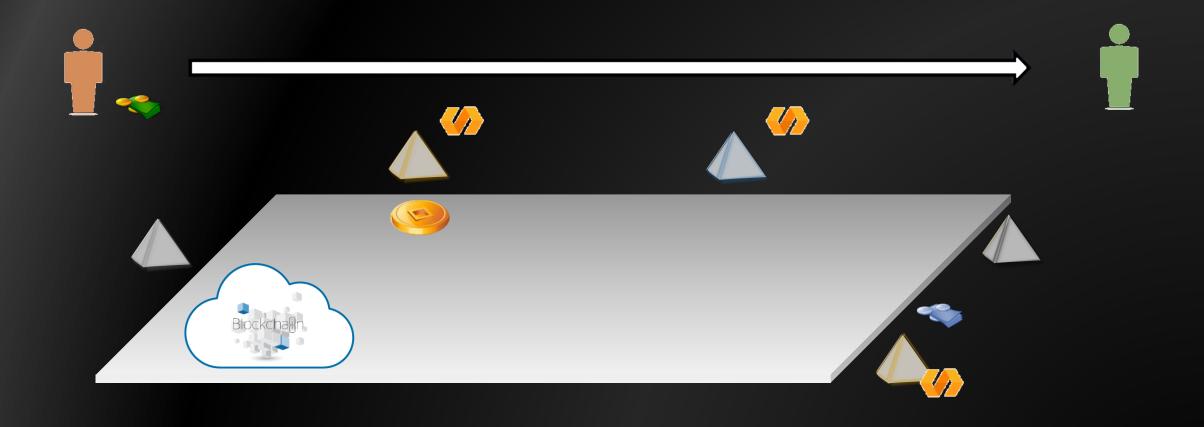


Authentication of all « »

Trace of all

Immutability of information

## xCurrency xBorder



#### What's next?

Currencies are too slow & old and need to evolve

Payment methods at risk with Digital Transformation

(Current) Crypto-currencies are not the solution, but blockhain is valid

Forbes: Explaining Stable Coins, The Holy Grail Of Cryptocurrency (03/18)

Gartner: The Crytpto Economy (Explaining Stable Coins) (05/18)

Deloitte : Stable coins : le début d'une nouvelle ère pour les crypto-monnaies (07/18)

BitPay: BitPay Introduces Stable Coin Settlements in Gemini Dollars and Circle USD Coin (10/18)

Bloomberg: Crypto 2.0 (Stable Coins) May Be Digital Cash You Can Actually Use to Buy Stuff (11/18)





#### Air Travel Use cases

Hotel, restaurant, transportation vouchers



Close loop no-change « asset » management (like ticket restaurants)

Miles / Loyalty points



Close loop change « asset » management (like other currencies)

Inter-companies legs compensation

> B2B multi party compensation chamber



Stable Coin use case:

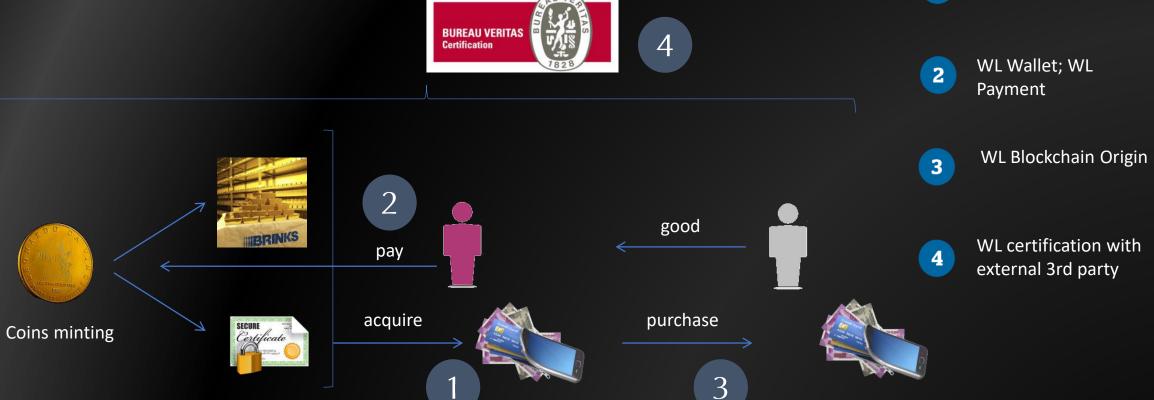
1- Ease of spending of digital fiat currencies

2- Gold value security



#### How to do this?





### Worldline

WL Wallet; WL Trusted

Authentication

#### What's next?



WL Wallet; WL Trusted

Authentication



What technical assets?

Wallet

**Strong Authentication** 

Payment

Blockchain Platform (with Auditor)

Acquiring Network

Retail presence & Solutions

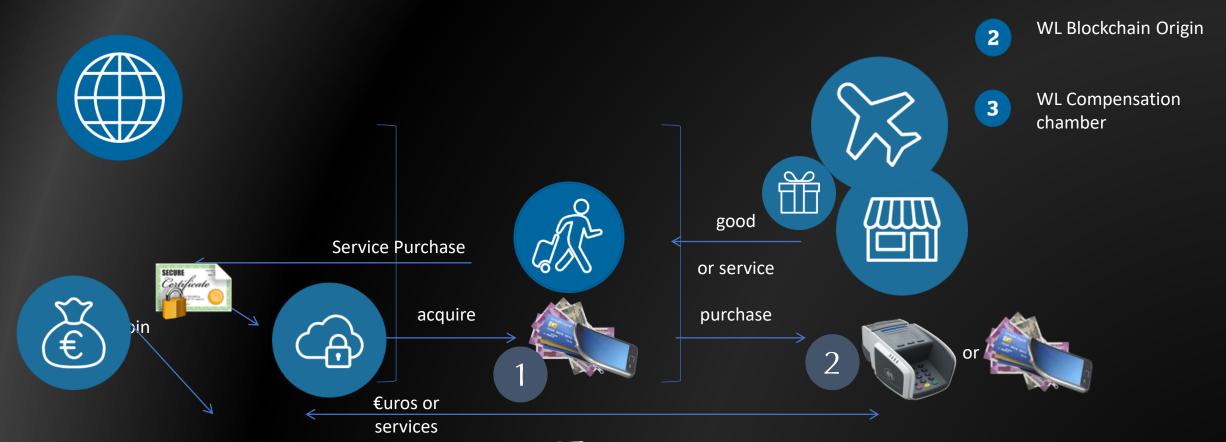


#### WL Wallet; WL Trusted Citizen Action Authentication WL Blockchain Origin 2 WL Compensation 3 chamber good good deeds or service acquire purchase olis Coin €



€uros or services

#### Air Travel Scheme





### Worldline

WL Wallet; WL Trusted

Authentication

No time to waste!

Let's put this in practice!



# Control your Data or someone else will



Moderator: Juan Ivan Martin, Head of Digital Finance, IATA

Benjamin Madjar, Director, Deutsche Bank

Mark Costa, Director, Deloitte

Conrad Lennard, Sr. Sales Exec, Feature Space

Nicolas Kozakiewicz, Fellow, Atos

Pascal Burg, Director, Edgar, Dunn & Company

Juliette Iles, VP Finance Strategy & ePayments, Emirates Group







## **Networking Dinner**





Buses depart from the Lobby area at 19:00 Sharp

















