# A 20:20 Vision of Digital Lending in 2018

15th March 2018



### **A Glimpse Into The Future**

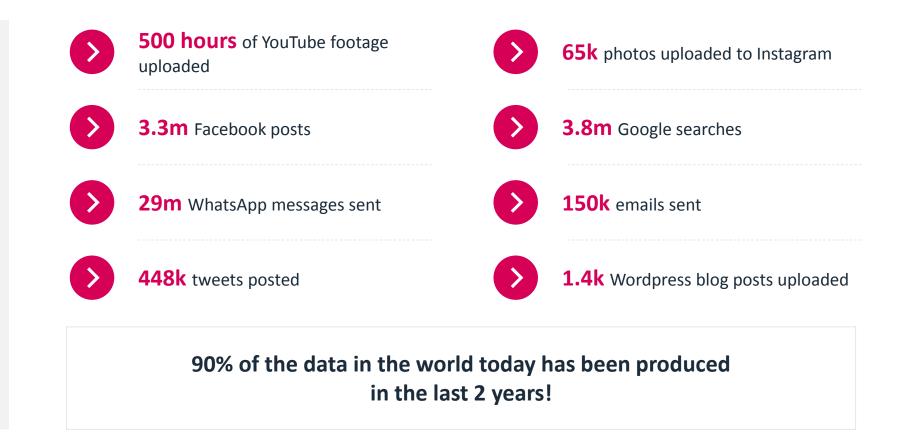
# THE FUTURE

### Let's Take a Minute to Set the Scene

**Consumers Now Drive Data Generation** 



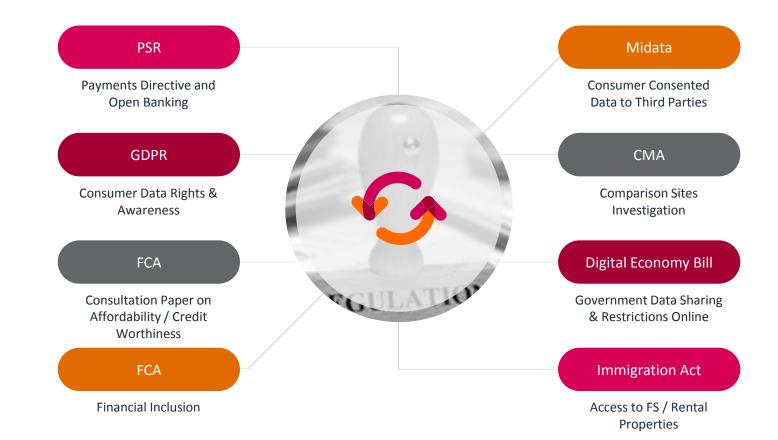
What Happens Online in 60 Seconds?





### Regulation



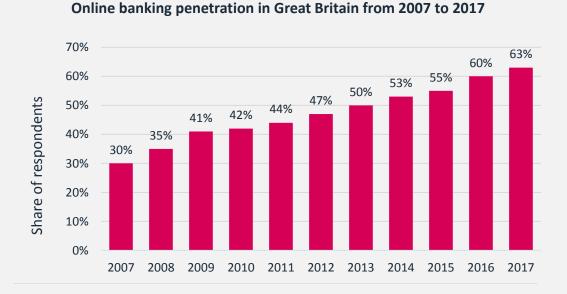




### What We're Seeing in the Industry

In the UK, the penetration of online banking has more than doubled in the last 10 years, from 30% to over 60%. Couple this which recent research which showed that, for the first time, more people bank online than in branch\*, it's impossible to avoid the facts – digital banking is more important than ever.

80



Source: https://www.statista.com/statistics/286273/internet-banking-penetration-in-great-britain/

Penetration of digital banking among internet users in the United States from 2013 to 2018



Source: https://www.statista.com/statistics/334063/penetration-digital-banking-internet-users-usa/

\*Source: http://www.telegraph.co.uk/business/2018/01/10/digital-banking-overtakes-branch-use-may-fuel-closures-warns/



## Market Hypothesis

That guide our innovation strategy











**Regulation** will evolve and continue to place obligations with organisations providing products and services to consumers

**Consumer Empowerment** will change the hierarchy in the current personal data ecosystem forever

Methods and techniques will continually evolve to facilitate Advanced Decision Making that will utilise **Artificial Intelligence** on **Alternative** Data from connected devices alongside traditional data sources and in certain cases at the expense of traditional data sources

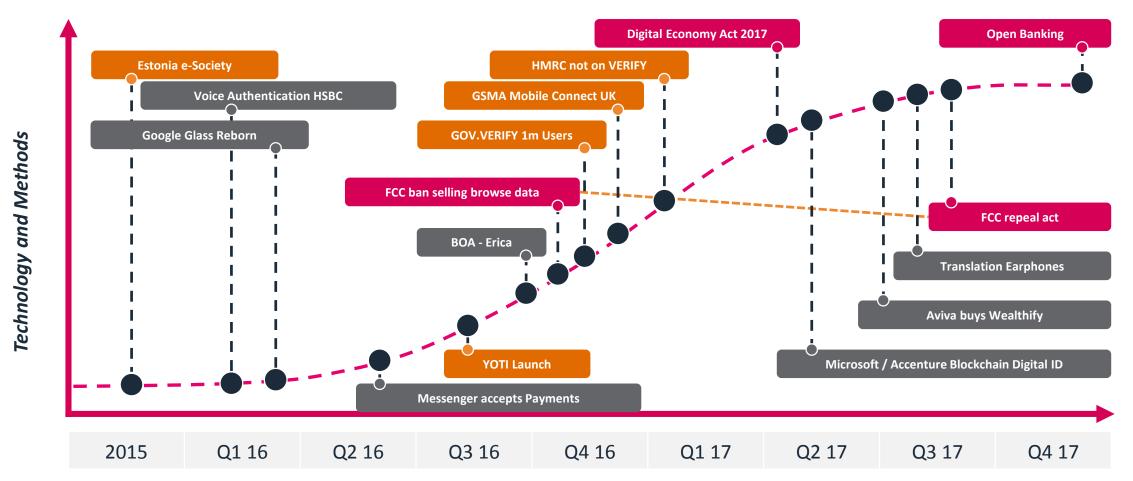
Digitisation will evolve a universal **Digital Identity** that will act as our digital passport/SSO to online services where as Digital Entitlement will allow service providers to switch on services in real-time and facilitate a new PAYGo Financial Services model



**Open Industry APIs** will be developed to advance empowerment of the consumer and drive deeper engagement with Service Providers



### Our Horizon Pockets of the future in the present



Callcredit

### Lending Digital Agenda



#### Differentiation through customer experience

- > Speed
- > Intuitive
- > Personalisation

#### 360 degree consumer insight

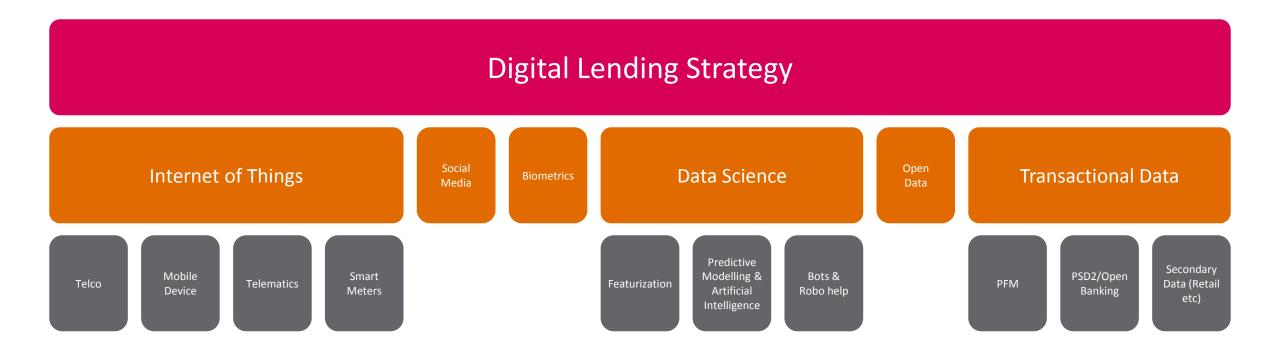
- > Traditional data sources
- > Transactional data
- > Alternative data sources (Social Media)

#### Product Diversification

- > Higher Value / Longer Term
- > Credit Cards / ISAs / Revolving Line of Credit

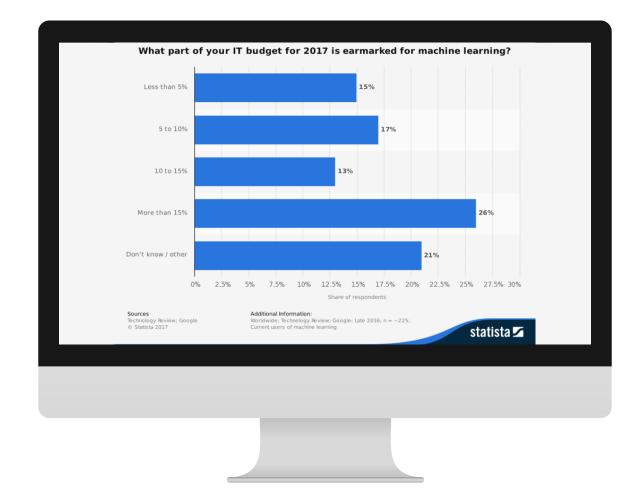


### How is All of this Being Harnessed?





### Machine Learning





Banks are actively tracking consumers' sentiment / satisfaction levels



Reacting to market trends, tracking trading levels and managing wealth assets



Healthcare monitoring through Smart devices



Amazon – highly personalised product recommendations

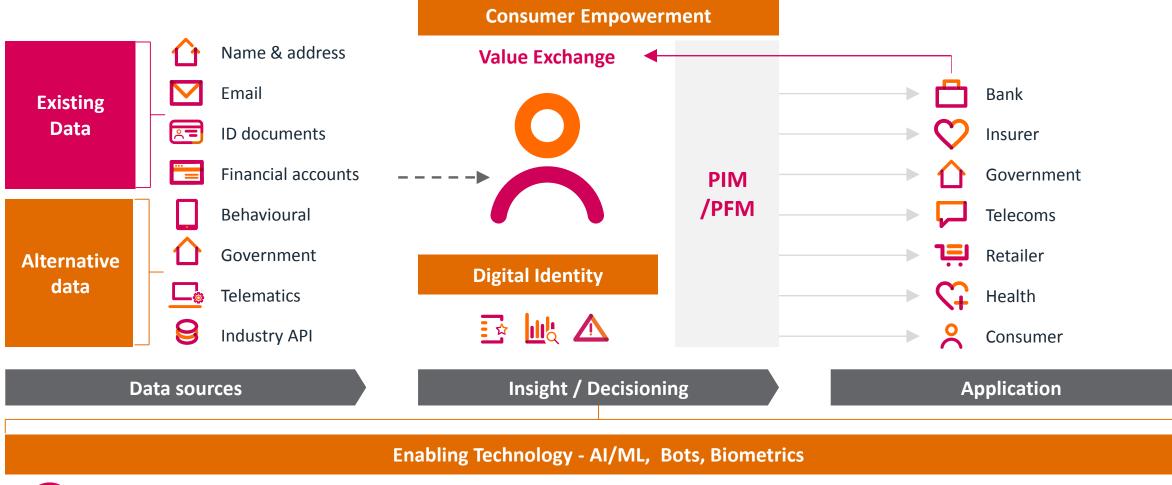
SIRI & Alexa

Credit Scores....

*Source*: Red Pixie 5<sup>th</sup> February 2018



### Personal Information Economy (Me2B) End State 2020 +





### **Open Banking Solution**



Callcredit will manage the connectivity, consent, insight and delivery of statement level information on behalf of our clients to support a wide range of existing and new user cases



<u>Connectivity</u> – consolidated connectivity across all relevant API interfaces, saving a considerable amount of cost and resource on behalf of clients and increasing speed to market

#### **Authentication & Consent**

managed journey consolidated across all data providers to ensure smooth and easy access for consumers, increasing adoption rates







Insight – Comprehensive view of consumer data, increasing adoption rates, access to new customer segments, reducing risk as ensuring appropriate lending, new and improved user cases and value propositions

<u>Consumer Experience</u> – software solution to wrap the consumer journey, maximising consumer adoption and ease of use **Delivery** of data in a form needed by the Client, limiting integration requirements and ensuring data can be embedded in to current products for ease of use and speed to market





# **Risk Landscape in the new world**



### **Digital Channel Pressures & Challenges**



Verification window of opportunity reduces dramatically, from days to seconds

Demand for same day payment

Opportunities for criminals to impersonate identities

Organisations can be attacked from anywhere

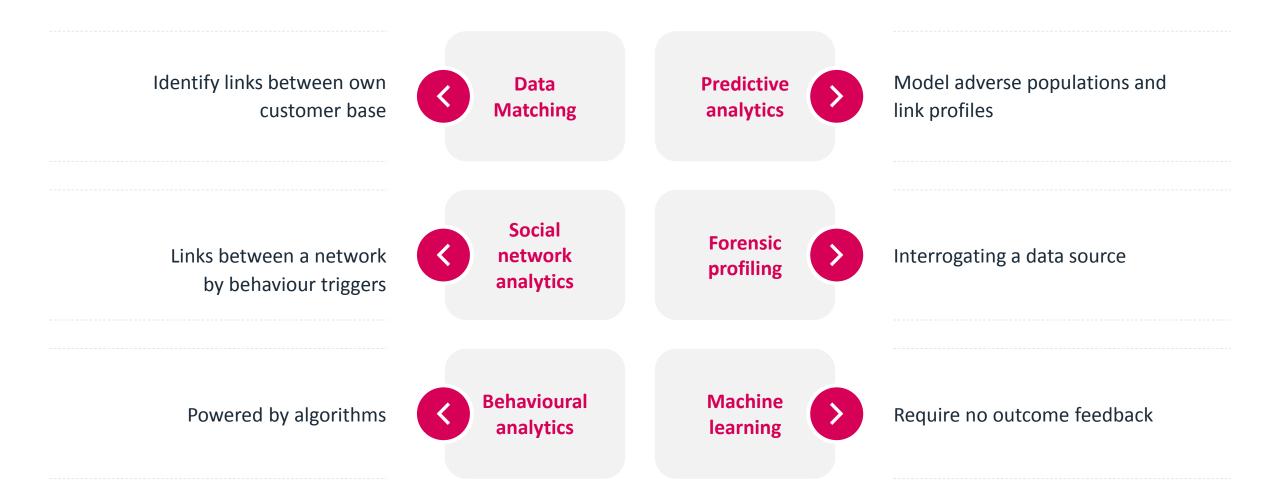


### Counter Fraud Leaders - The Job Spec has Changed





### **Counter Fraud Evolution**





### **Device Profiling**





What other devices am I linked to?

Do I have a fraud history?

Am I hiding from detection?



### **Telephone Number Profiling**

### **Phone number profiles**

- > PAYG
- > Contract
- > VOIP
- > Premium Rate

#### **Interrogate Live Network**

- > Is the number reachable / unreachable
- > Is the number live / disconnected
- > Is the number disconnected
- > Roaming status active



- Target value Revious

### **Email Address Profiling**





### **Forensic Profiling**



Growing appetite for online document verification – reduces the risk of breakage by not pushing end user offline

- > NFC technology within smartphones
- > Image upload

Reduces the risk of false positives, causing less disruption to genuine individuals



### As Fraudsters Adapt, So Must Our Technology...

### **Biometric technologies:**

- > Fingerprint ID
- > Vein patterns
- > Facial recognition
- > Voice recognition

Biometrics was identified as the biggest priority for organisations as they look to prevent fraud within last year's Fraud and Risk Report.





# Q&A .....

