Open Banking is evolving towards Open Economy

1. Personal financial management.

2. In addition to traditional bank data also e.g., non-bank transaction, insurance, credit, wealthmanagement data



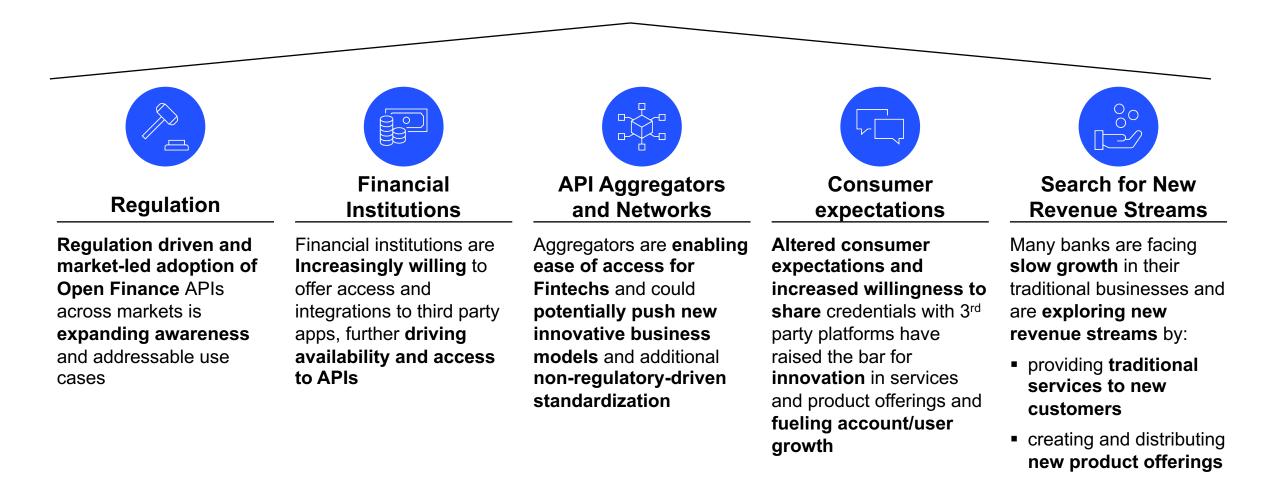
Open Banking guarantees to third-party financial service providers, through APIs, the access to consumer banking data

It has been traditionally focused on retail banking, but may also include business customer propositions Open Finance goes beyond open banking, enabling third party providers the access to a wider range² of financial data

Propositions cover a wide range applications, incl. hyper tailored credit and wealth management offerings for consumers, or businesses, holistic financial management Open Economy is the next stage of Open data sharing, allowing through APIs the access also to non-financial data

Potential propositions may be **big data-based analytics**, **individual offerings** or **holistic optimization** of all types of contractual relationships

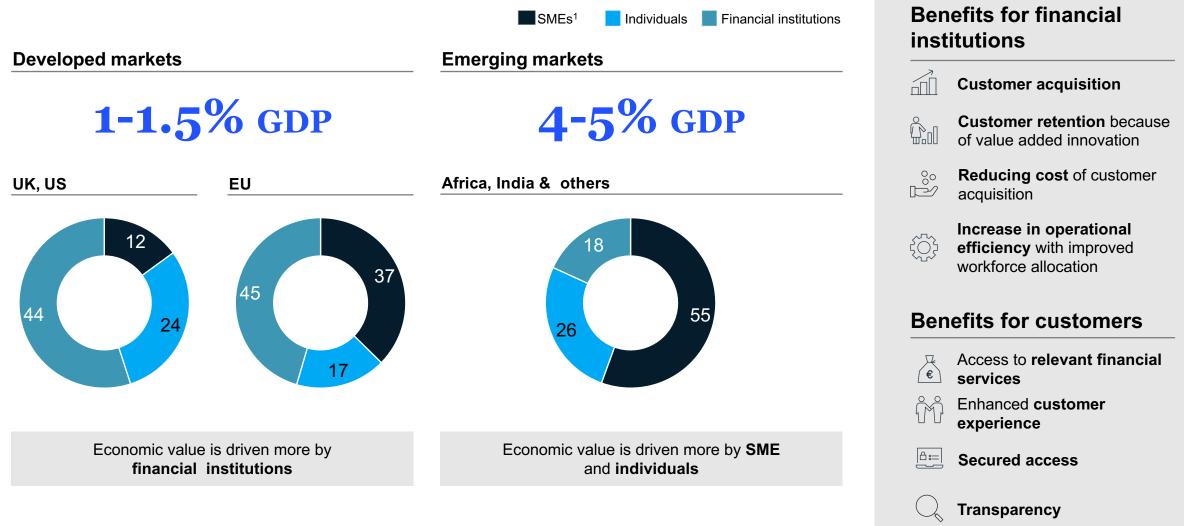
Five key forces are driving the Open Finance market opportunity globally and locally



Through Open ('Public') APIs, **Open Finance creates access to financial services products and consumer data** for financial services players, Fintechs, Telcos and other third-party players

The opportunity for Open Finance is substantial

Potential GDP impact by 2030, % of GDP



1. Micro, Small & Medium Enterprises

Source: McKinsey

Adoption of open APIs in the Open Finance market has been accelerated through three main propositions





- Players that **expose data and/or capabilities through a programmatically consumable service** or an Application Programming Interface (API)
- Generate value through additional channels that bring additional customers or business volume through integrations

Consuming APIs of others

- Customer platforms (e.g., web and/or ecosystem apps) that use APIs to integrate with external financial and nonfinancial service providers to bring a broader set of data and services to clients
- Generate value through **enhanced user experience or product augmentation** over the data (or service) received from APIs

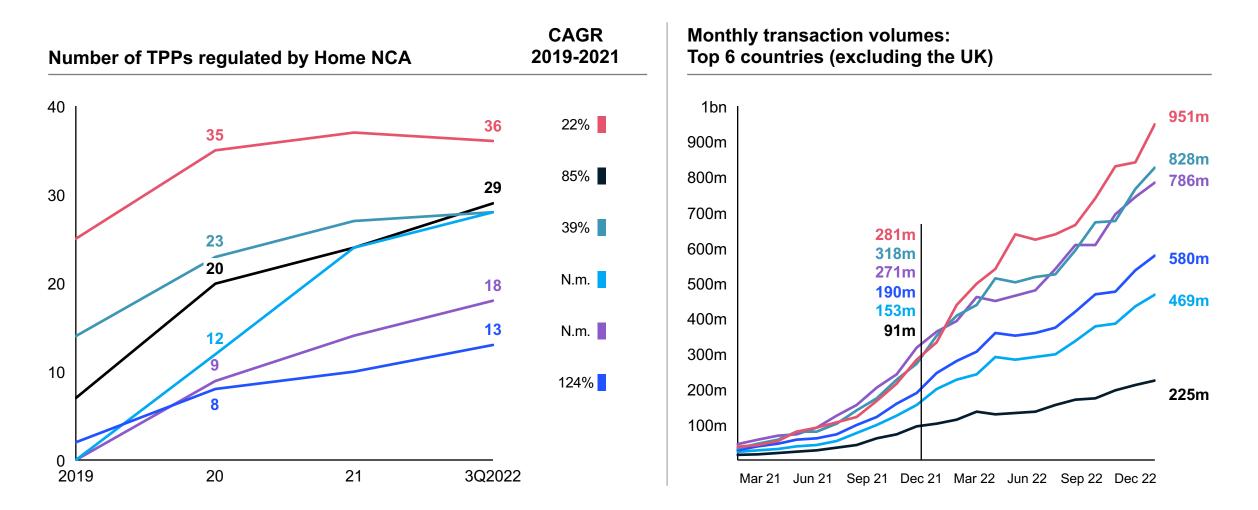


Providing API infrastructure components

- Players that provide **infrastructure components** to enable other organizations to **provide or consume services through APIs**
- Generate value through **hosting or revenue sharing or subscription services** with the API providing and consuming players

Italy's banking ecosystem is progressing towards the Open Banking paradigm

- Germany - Netherlands - France - Italy - Poland - Spain

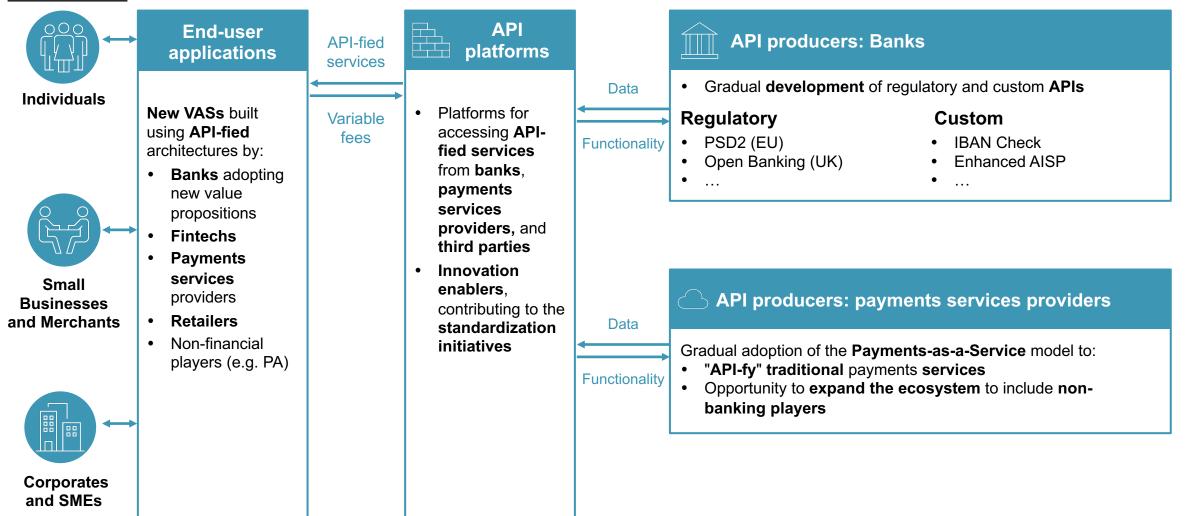


There are six enablers that guarantee a well functioning Open Finance in Italy

Enabler		Description	Italian market
	Infrastructure Providers	API providers driving innovation and contributing to the standardization initiatives	\checkmark
	Product Augmenters	Product and services providers that leverage Open Banking to enhance their product's customer experience	
	New Business Models	Players offering products using innovating business models like Embedded Finance , where industry players can incorporate financial product into their customer journeys by partnering with banking providers	
	Providers of APIs (e.g., ASPSPs)	Banks going beyond simple compliance, developing a true strategic approach towards open banking and finance	
	Skills and technology	High maturity of the API technology allowing to offer high value adding services	
	Customers	Trusting customers keen to try new services, being concious of the opportunities and advantages that Open Banking can provide	McKinsey & Company 9

API platforms simplify the connection between banks, PSPs and non-financial players, promoting innovation and additional standardization ...

Selected examples



...while enabling Embedded Finance, the next disruptions

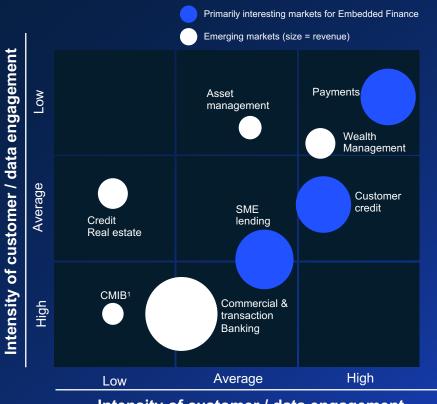
Maturity of embedded finance per industry

	Industry	Typical use cases
High maturity	⊢⊕ E-commerce oo platform	Financing options both for sellers as well as buyers, payment solutions
industries	Social media	Transfer of money. payment and account solutions
	Retail stores	Financing options for buyers. payment solutions. beyond banking products e.g., loyalty programs
Emerging industries	Travel & Hospitality	Financing options for buyers. beyond banking products e.g., loyalty programs
	Mobility & transportation	Payment, financing options
	(((o))) Telco	Money transfer
	▶ Media	Financing options for buyers
Early industries	Energy	Money transfer, transactions
	r≐⊓ Real Estate & ⊡⊡ Housing	Money transfer, transfer (deposit) accounts
	日 日 日 日 日 日 日 日	Financing options both for providers and Patients, payment

E-commerce platform, social media and retail were the pioneer in financial service offering. Other industries such as energy, real estate and healthcare are now emerging

Source: McKinsey

Payments are highly sought-after for embedded finance offering, given the high return and high customer touchpoints



Intensity of customer / data engagement

1. Capital Markets and investment Banking

McKinsey & Company