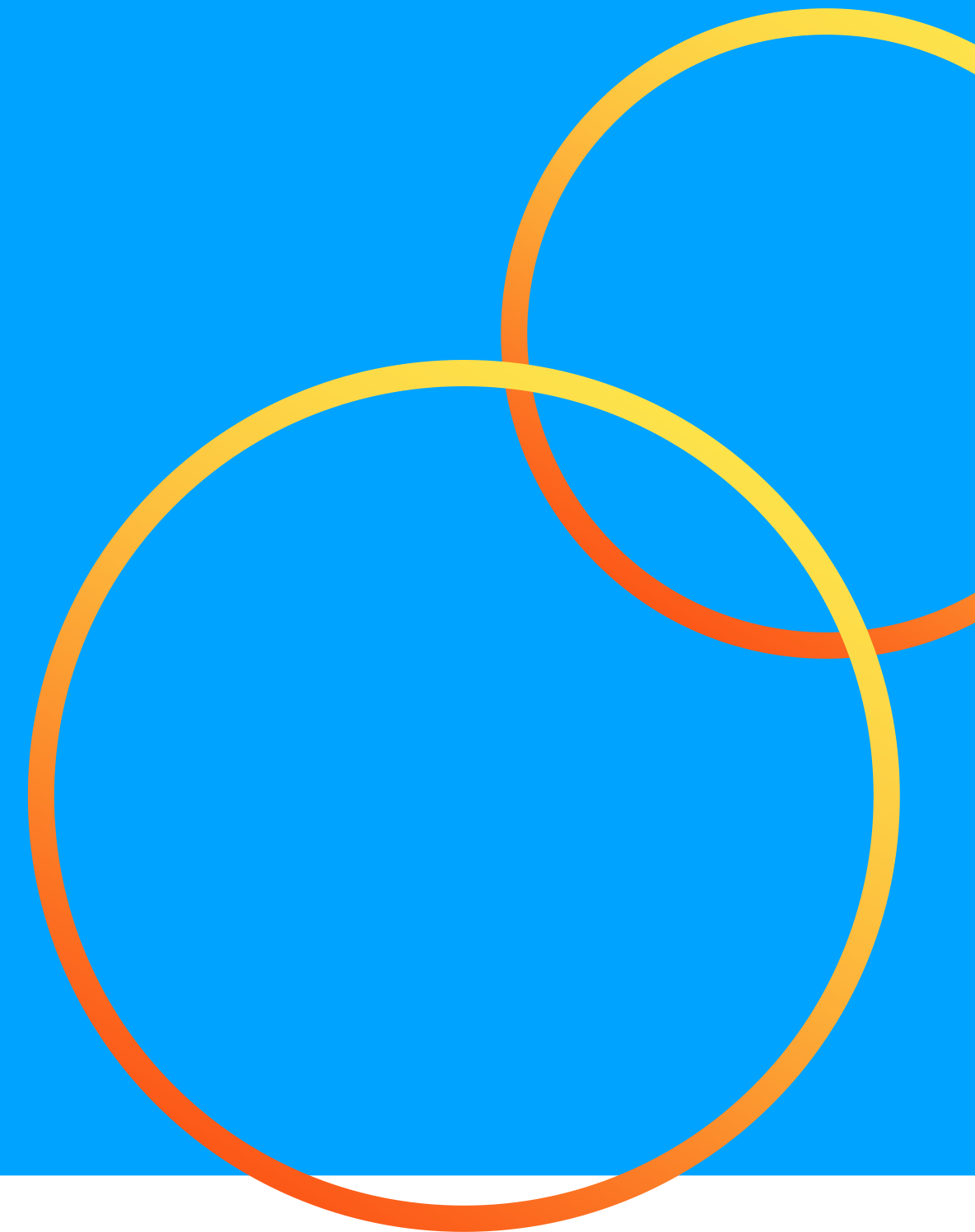


[Master Deck]



Living the Life of Someone Earning Less than \$2 a Day



Real Time Payment Systems Growing by 4X More Countries Transitioning

14 → 40 → 70

2014

EUROPE

Sweden
Switzerland
UK
15 Euro Countries
Denmark
Finland
Iceland
Poland
Spain

2019

AMERICAS

Brazil
Canada
Chile
Mexico
US

2020

ME&A

Bahrain
Ghana
Kenya
Nigeria
South Africa
Turkey

APAC

Australia
China
Hong Kong
India
Japan
Malaysia
Philippines
Korea
Singapore
Sri Lanka
Taiwan
Thailand





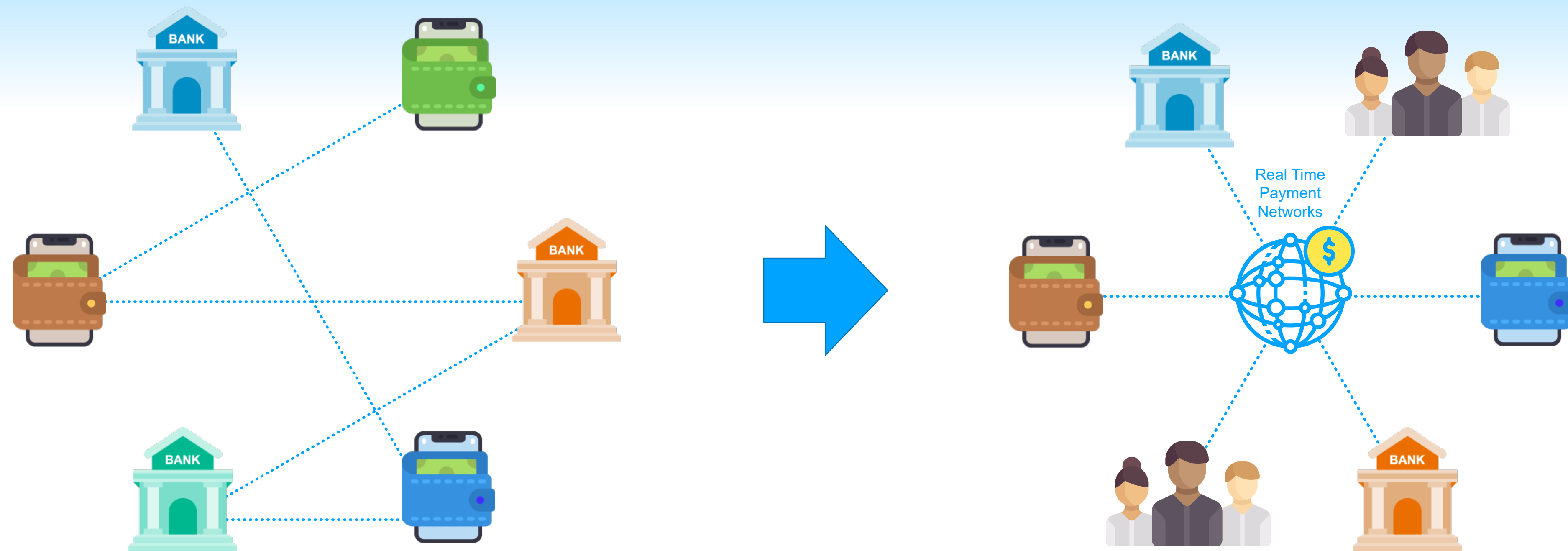
1.7B

Lack access to
digital financial services
Yet, most have a mobile phone

\$3.7 Trillion

Emerging countries' GDP by 2025 if interoperability is
added to real-time payment models

Mobile Wallets Have Tried Making Cashless Transactions Easier But Are Often Isolated From Mainstream Financial Providers



Interoperability Will Enable the Innovation Needed to Make Digital Payments Inclusive and Affordable While Pouring Money into the Transaction Economy and Supercharging the Ecosystem


Ecosystem Growth Dependent on Inclusive, Open Payment Systems

- ✓ Interoperable between services and providers
- ✓ Instantaneous, affordable, safe and accessible
- ✓ "Pushed" not "Pulled"
- ✓ Address regulators and central banks requirements
- ✓ Have varying levels of KYC

Meet Winnie, a shopkeeper, who depends on digital financial services for multiple reasons.

Her livelihood depends on her day to day income, it isn't an option to wait days for her money to settle in her account.





Yet, Winne's mobile money account doesn't interoperate with her customers payment systems.

Most modern digital services providers only work between users of the same payment network. So she can only accept cash.

FEE S

With ultra-thin margins on the wears she sells, she can't afford to manage the balance on a merchant. The costs and transaction fees imposed by modern DFSP systems, mean that she can't afford to take digital payments.

RTPS Infrastructure As A Public Good = The Entire Ecosystem Benefits



- Top end of the market benefits from convenience and innovation



- SMEs and underserved benefit from inclusion into the formal economy

Leaders Embracing Financial Inclusion and Interoperability....

Tanzania Instant Payment System



Launching the platform known as Tanzania Instant Payment Systems (TIPS) the Bank of Tanzania Governor Dr. Bernard Kibesse said that **the central bank and other payment providers** realized the **need for interoperability of mobile money services** in order to facilitate **instant transfers between customers of different service providers....**TIPS will make payments more **affordable and faster** by increasing the speed of settlement. integrating innovative interoperable payment methods and systems.

Source: The Citizen Tanzania



Leaders Embracing Financial Inclusion and Interoperability....

Mowali



By providing **full interoperability between platforms**, Mowali will provide an important step forward that will allow **mobile money** to become a **universal means of payment in Africa**. Increasing financial inclusion through the use of digital technology is an essential element in furthering the **economic development** of Africa, particularly for more **isolated communities**,” said Stéphane Richard, Chairman & CEO of Orange.



Central Banks & Governments Benefit from Inclusive RTPS

- Built and operated by public institutions
- Digital infrastructure supports public and private sector innovators
- Provides a channel for regulators to directly address financial stability concerns
- Possible for all firms – irrespective of size – to have equal access to platforms
- Banks, fintech, and mobile providers can operate on the same regulated platform
- Creates a network effects that lower costs and improve processes
- Uses fiat currency or digital CBDC guaranteed and regulated by the Central Bank

In Fact, the Whole Ecosystem Benefits

Many stakeholders stand to gain from digital financial services



INDIVIDUALS

1.6B



BUSINESSES

\$2.1T



DFSPs

\$4.2T



GOVERNMENTS

\$110B

Inclusive, Open Payment System Rails Drive Ecosystem Growth



Apps

Innovation Market for Value Added Services and Products



Accounts

Digital Accounts and Transactions

Competition
Space



Rails

Infrastructure for Connectivity and Interoperability



Rules

Regulatory and Governance Framework

Collaboration
Space

mojaloop
foundation

Intervention
Areas

Local Control with Mojaloop



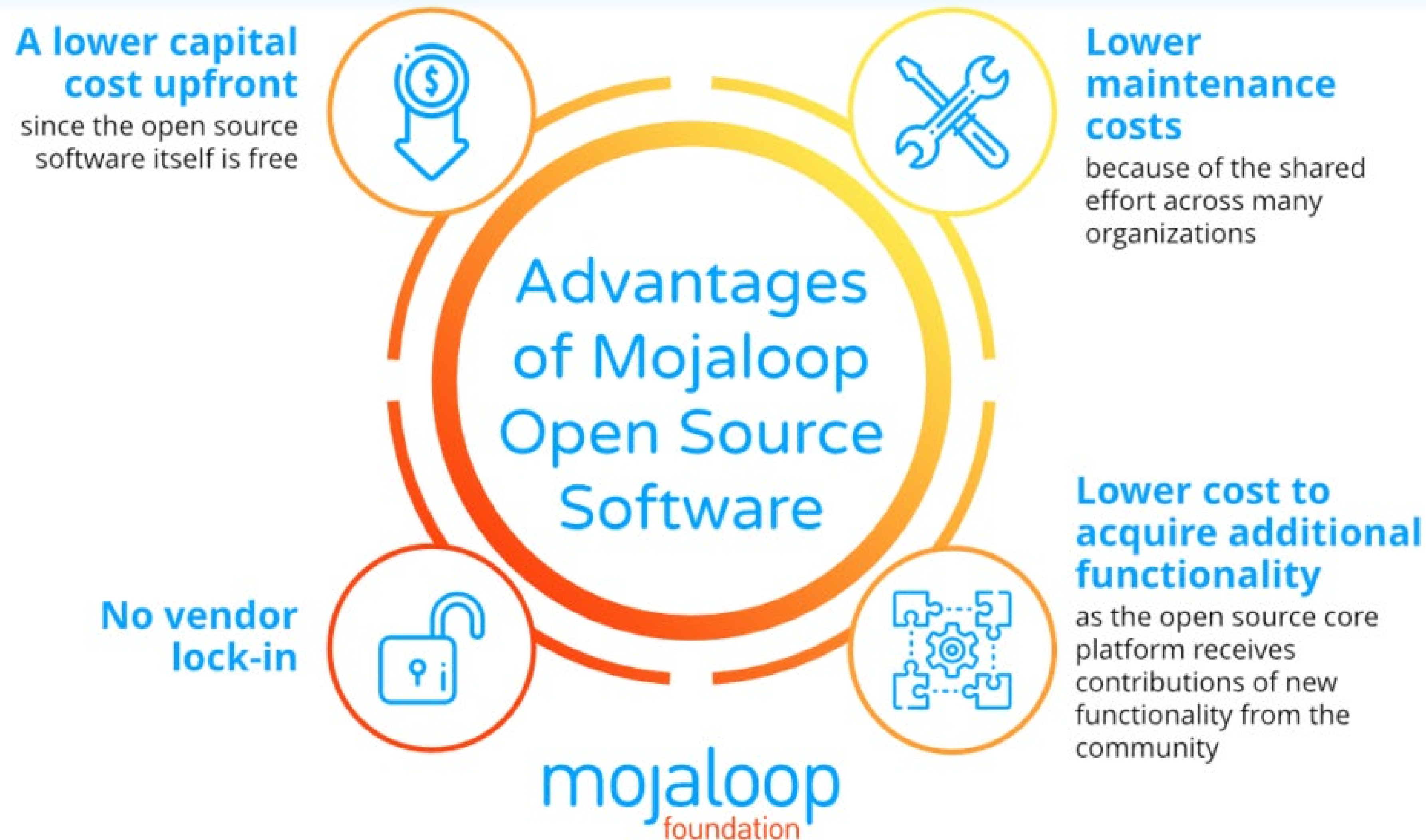
**Locally
Owned**

**Locally
Operated**

**Locally
Governed**

**Locally
Stored**

Mojaloop Transforms Real-Time Payments



Core Technologies



Hosting: “infrastructure agnostic” AWS, Azure, on-premise installations



For more details on tools and technologies check:

<https://docs.mojaloop.io/documentation/contributors-guide/tools-and-technologies/>



Four Ways Mojaloop Enables Inclusive Payments Designs

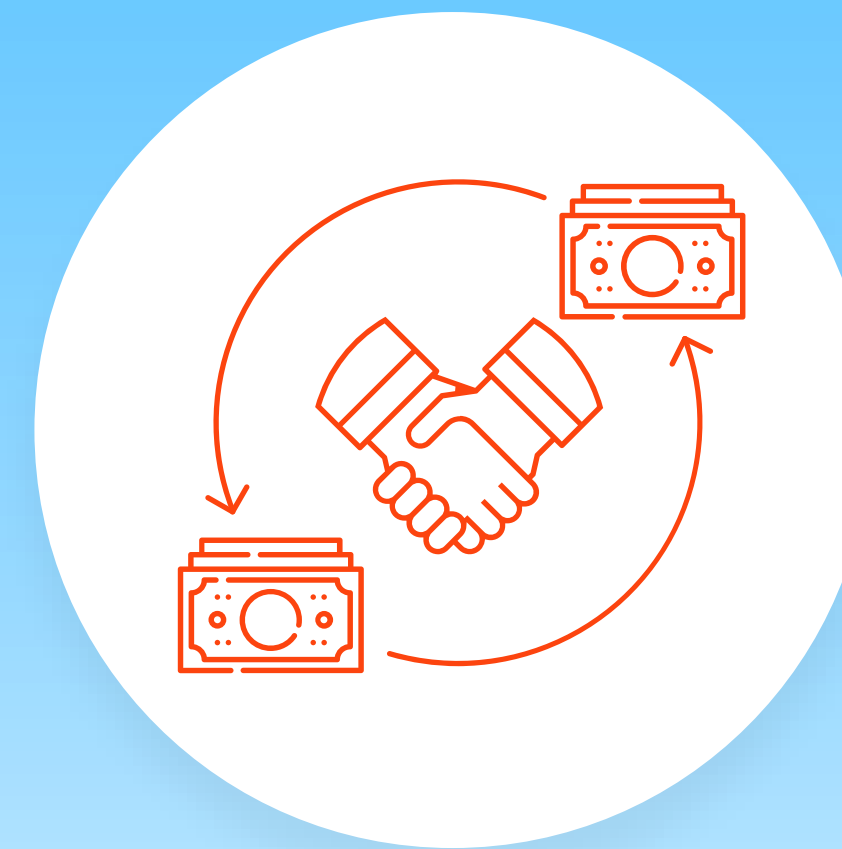
Mojaloop's Four Interoperability Components:



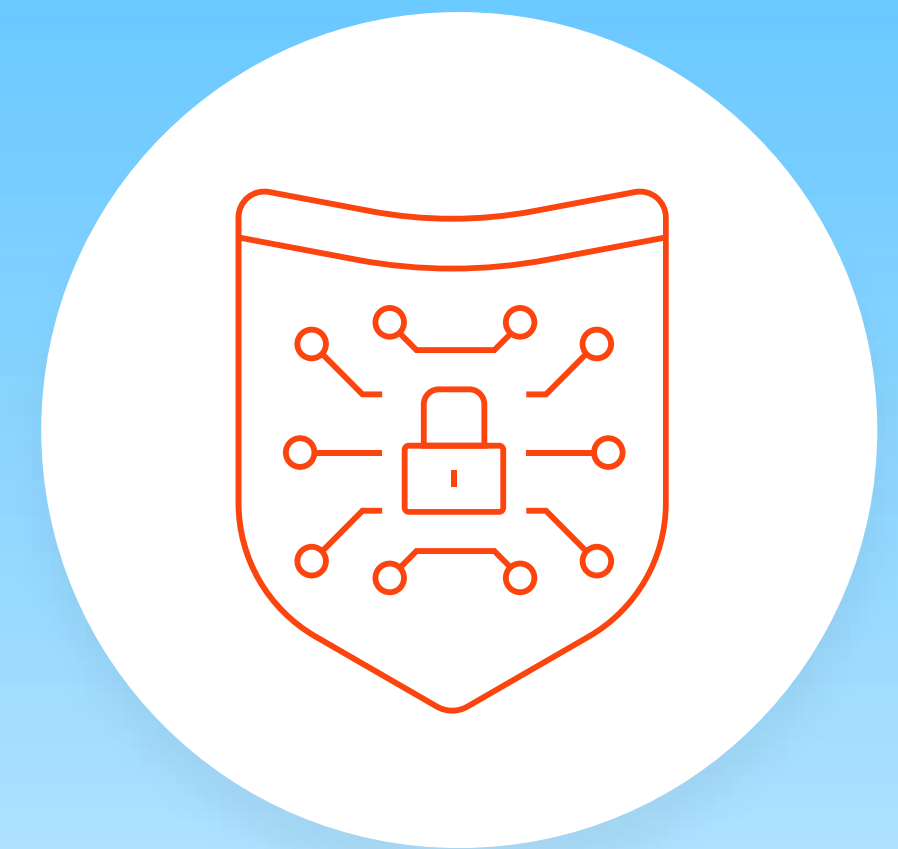
Interoperability layer connects bank accounts, mobile money wallets, and merchants in an open-loop



Directory service layer navigates the different methods that providers use to identify accounts on each side of a transaction



Transaction settlement layer makes payments instant and irrevocable



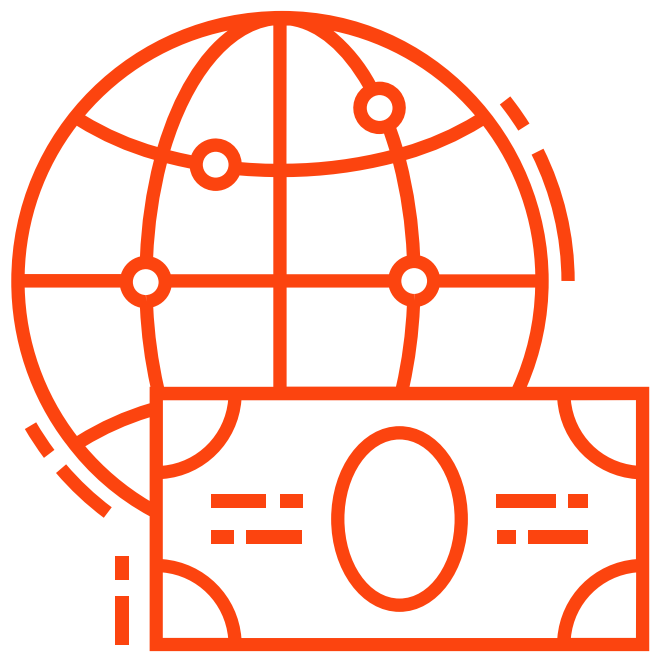
Components for designing and implementing strong internal fraud controls

Mojaloop Designed Based on Financial Inclusion Principles

Based on L1 FI principles

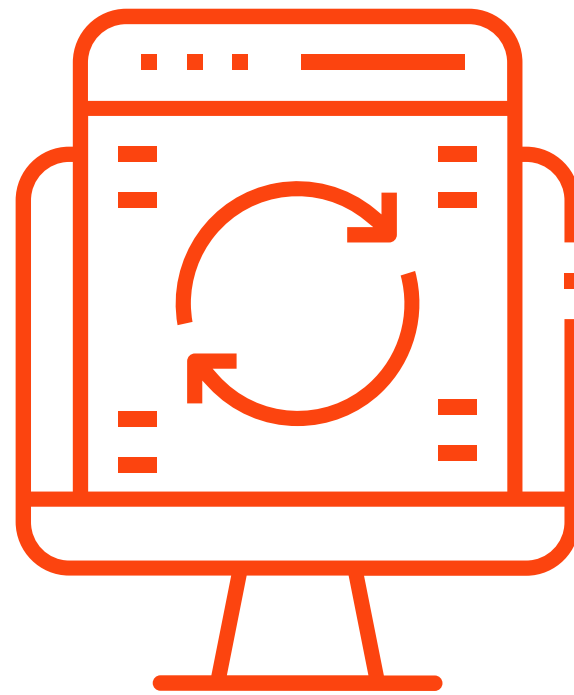
- ✓ Open-loop interoperability between providers
- ✓ Adherence to international financial inclusion standards
- ✓ Push payments model with immediate funds transfer and same-day settlement
- ✓ Customizable open source software to update or evolve their own system and ensure appropriate compliance with internal operational standards and local regulations
- ✓ Adequate system-wide shared fraud and security protection
- ✓ Efficient and proportional identity and know-your-customer (KYC) requirements
- ✓ Meeting or exceeding the convenience, cost, and utility of cash
- ✓ Software that is continually improved by the Mojaloop community and by users that engage with it, contribute to it, test it, and adapt it

Central Banks and In-Country Developers Can



Adapt

the code to build systems
that meet the country's
financial services
requirements



Update

the code to advance products
and services or create new
ones



Innovate

Mojaloop by proposing
updates to be made to the
code

Build an Ecosystem that Benefits Everyone



BANKS

A bank can use the code to modify its internal systems so that they easily interoperate with other payments providers



GOVERNMENTS

Government could use Mojaloop to deliver support payments to citizens right into their mobile wallets, etc.



MERCHANTS

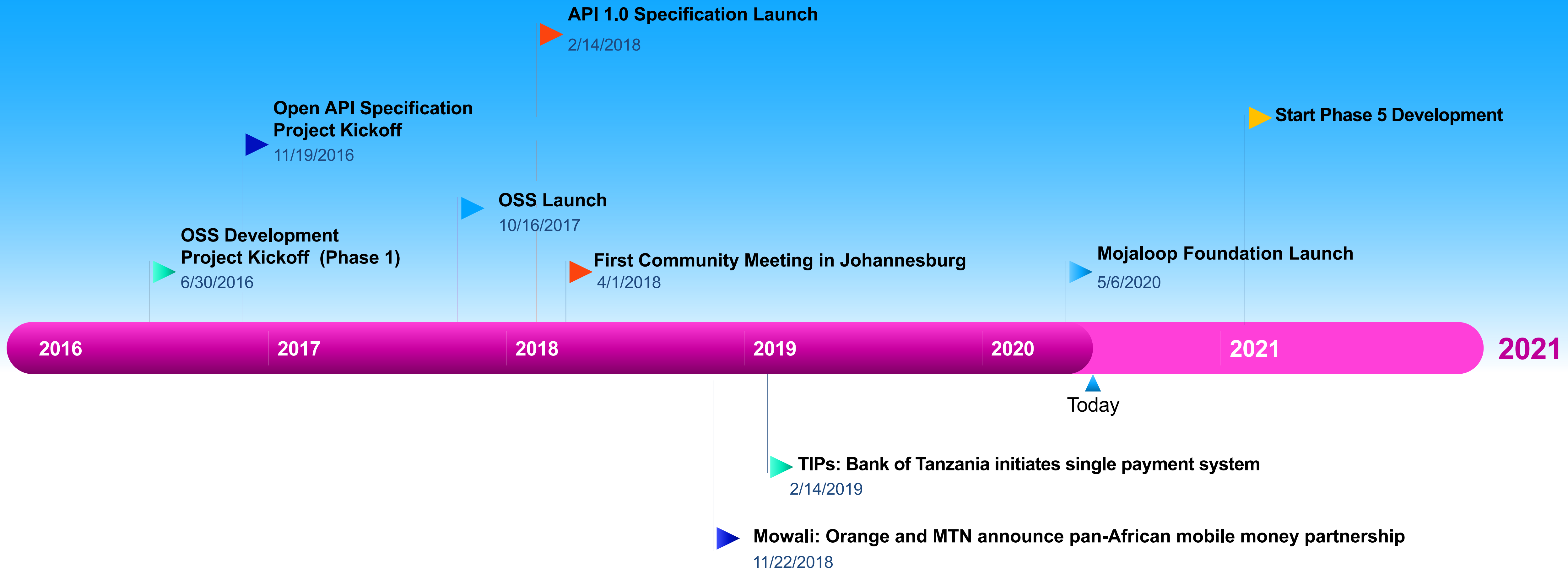
Customers can pay their bills directly from their phones



USERS

Customers don't need to pay significant fees to send money to their relatives in rural areas

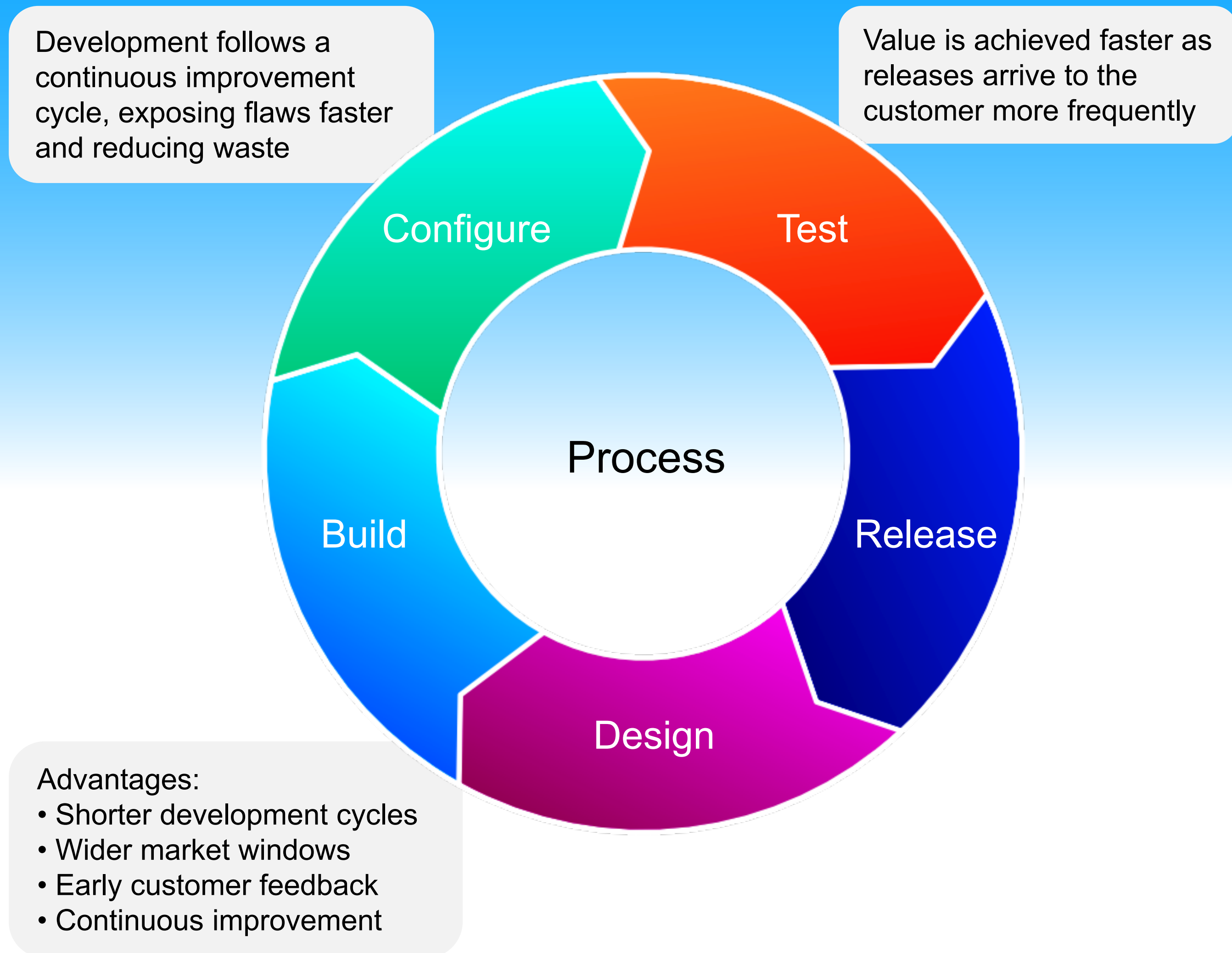
The Evolution of Mojaloop



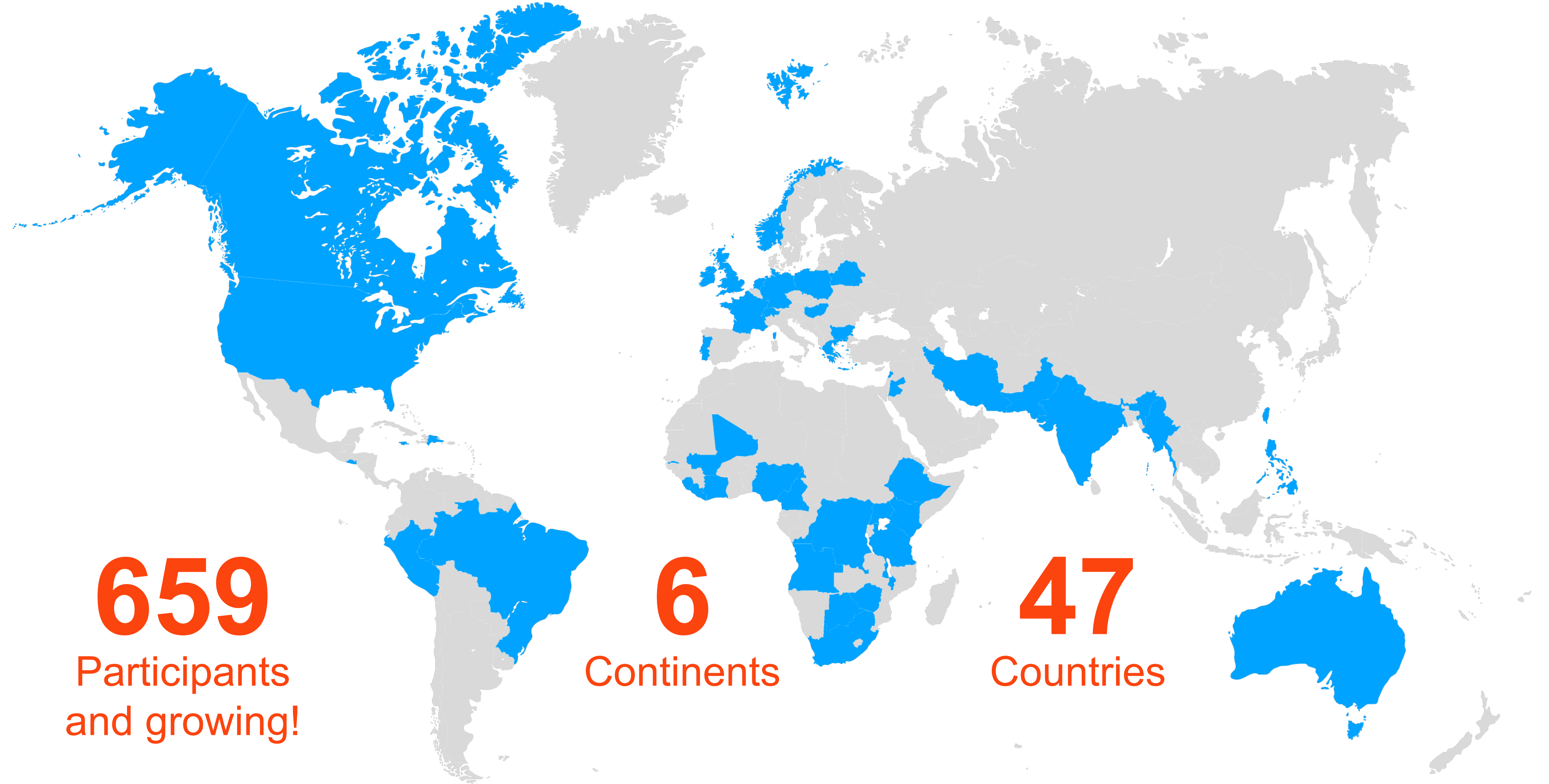
Mojaloop Development Model

Community Driven Development Cycles

- Agile development process
- Hold 4 community meetings per year
 - Evaluate progress on prior work
 - Establish priorities for next program increment
 - Community votes on workstreams based on requirements and gap analysis
 - Open process, inclusive of developers, implementers, and customers
- January 2020: Entered Phase 4 of development cycle



The Mojaloop Community



Accelerating Inclusive Digital Payments In Emerging Economies

mojaloop
foundation

One loop that brings
digital financial services
providers and the
unbanked together for
the benefit of all

BILL & MELINDA
GATES foundation

Coil

Google

MODUSBOX

ripple

MAS

Monetary Authority
of Singapore

The
ROCKEFELLER
FOUNDATION

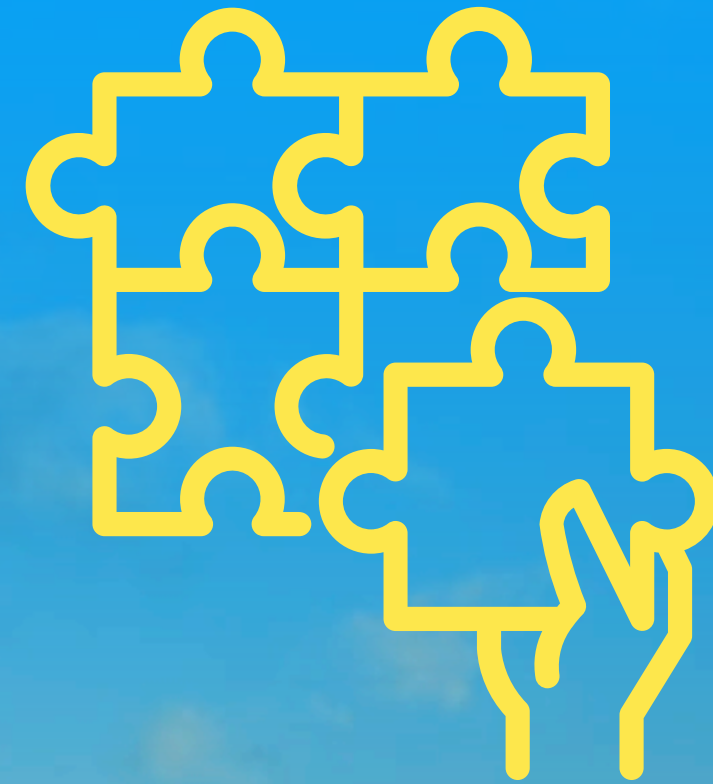
GIORIDIGITAL
TRANSFORMING MONEY

sybrin

Join Us – There is Plenty of Room to Engage



Adopt



Contribute



Join

Thank You!

For more information on how to get involved:

<https://mojaloop.io/>