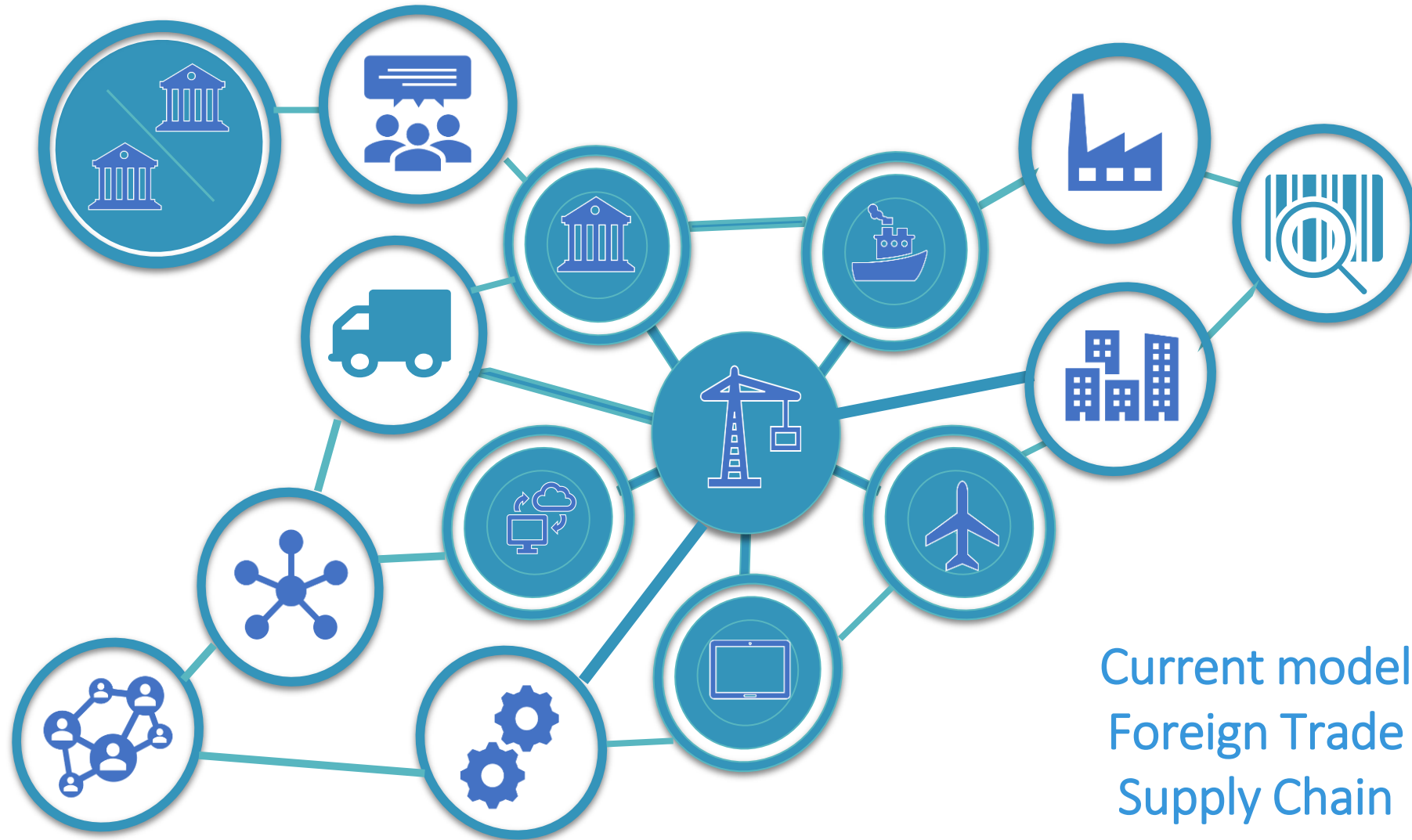


The disruptive innovation of blockchain in Customs

Mercedes Gómez Chávez
Yésika Chura Canahua
SUNAT - Peru

9 December 2021

Why use Blockchain?



Current model
Foreign Trade
Supply Chain

Blockchain

FEATURES

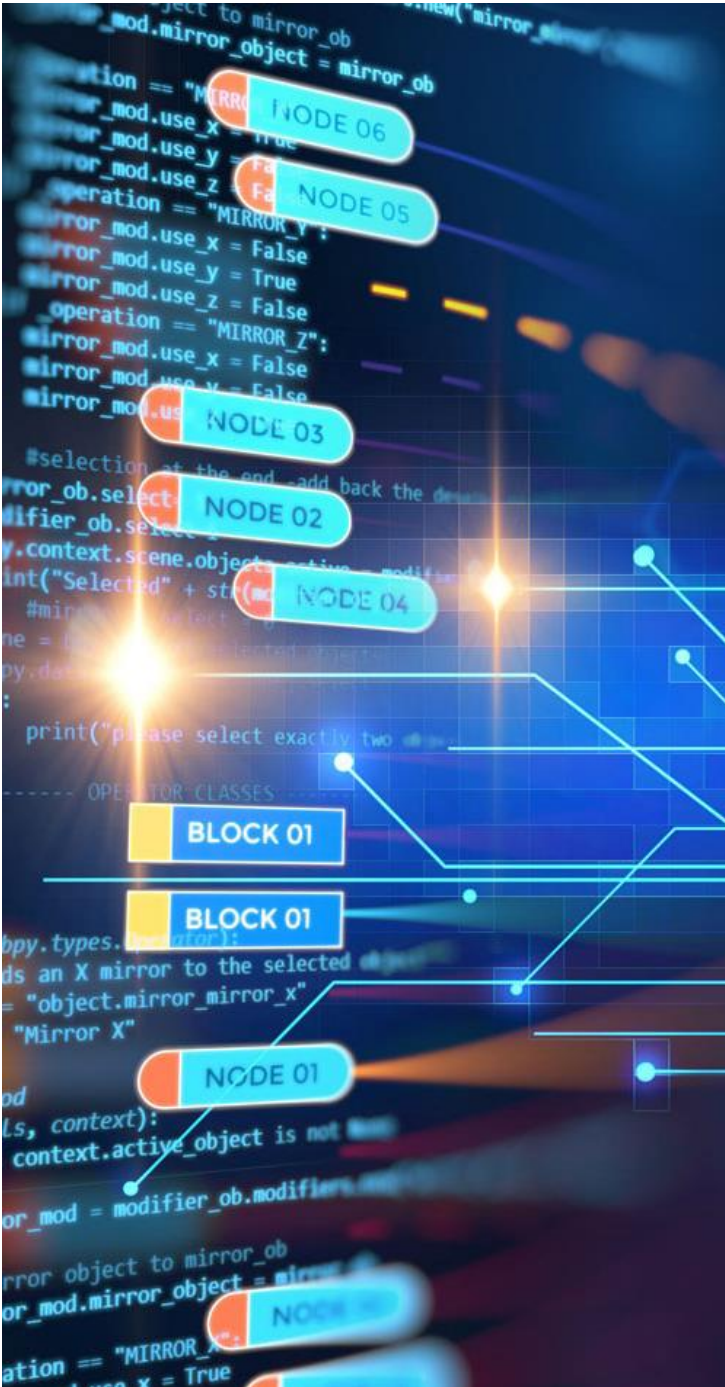
- Hash
- Node
- Decentralized
- Perpetual
- Inmutable
- Automatic

ELEMENTS

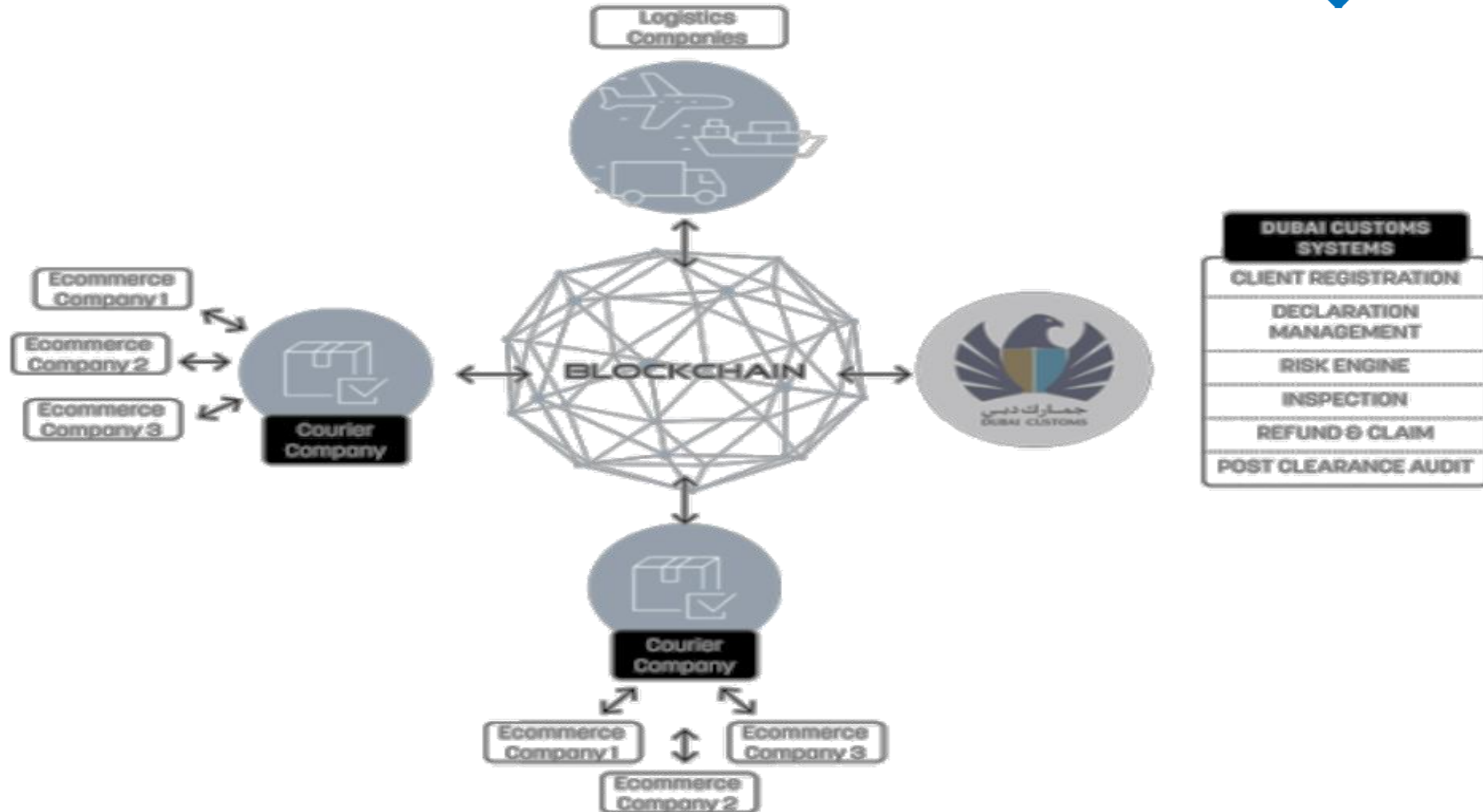
- Participants (stakeholders)
- Assets (data)
- Transactions (events)

ADVANTAGES

- ❑ Improve the efficiency of clearance and release processes
- ❑ Information in real time (first source data)
- ❑ Risk assessment optimization
- ❑ Reduce tax fraud and illegal acts



Dubai cross-border E-Commerce Blockchain platform



Source: <https://mag.wcoomd.org/fr/magazine/omd-actualites-91-fevrier-2020/dubai-customs-introduces-blockchain-based-platform-to-facilitate-cross-border-e-commerce>

Measures to facilitate foreign trade in goods and services



Export service platform



Coordinated Border Management



Implementation of VUCE 2.0 and Sectorial SW



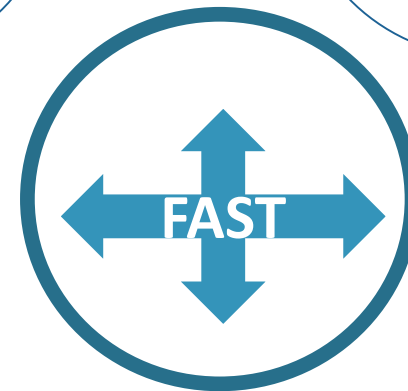
Strengthened health entities



Logistics hub



Guarantee the efficiency of logistics services



Customs Facilitation, Security and Transparency Program



Special Economic Zones

Key steps to use blockchain in Single Windows



Generate a clear vision and make a business case, ensuring high-level political support.



Create a governance structure, including data, design, and implementation.



Iterate the pilot project, considering ways to improve and scale it.



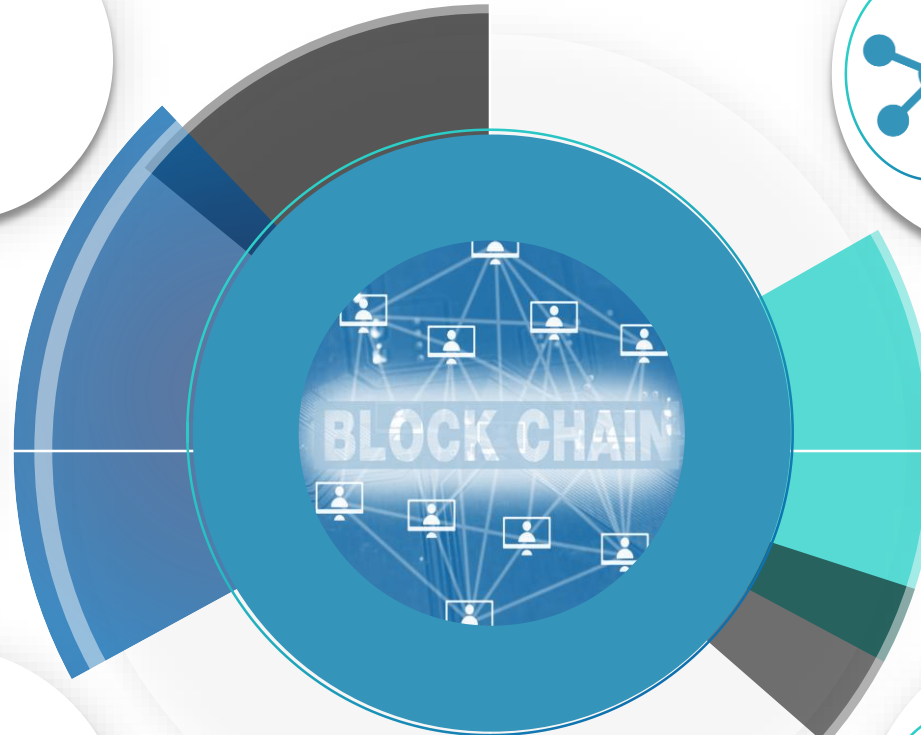
Manage user data and identities, testing a single and interoperable identity for Single Windows users.



Build technological architecture and integrate blockchain with existing systems.



Measure the impact of the development and monitoring of key performance indicators of Single Windows using blockchain and report on the evolution and results.



| Smart Port



Financed by the IDB - Foreign Trade Facilitation Directorate of the Ministry of Foreign Trade and Tourism, the project proposes to implement IT 4.0 (Big data, Blockchain, IoT, Distributed Ledger, AI)

| Blockchain platforms



TRADE+LENS

Hapag-Lloyd, Ocean Network Express (ONE),
CMA CGM and Mediterranean Shipping
Company (MSC)

TOP 10

Líneas navieras que movilizaron
contenedores en el Puerto del Callao
2020

RANK	LINEAS NAVIERAS	TEUS	%	Participación
1	HLC - HAPAG LLOYD	459,893	20.4%	
2	MSC - MEDITERRANEAN SHIPPING COMPANY	451,886	20.1%	
3	MAE- MAERSK	350,905	15.6%	
4	CMA CGM	293,094	13.0%	
5	COO - COSCO	185,925	8.3%	
6	ONE - OCEAN NETWORK EXPRESS	138,300	6.1%	
7	EVG - EVERGREEN	114,584	5.1%	
8	WHL - WAN HAI LINES SINGAPORE	54,249	2.4%	
9	SEABOARD	45,425	2.0%	
10	AU - ALJANCA	42,244	1.9%	

China Unicom Digital Tech will
host and operate TradeLens in
mainland China



LACCHAIN



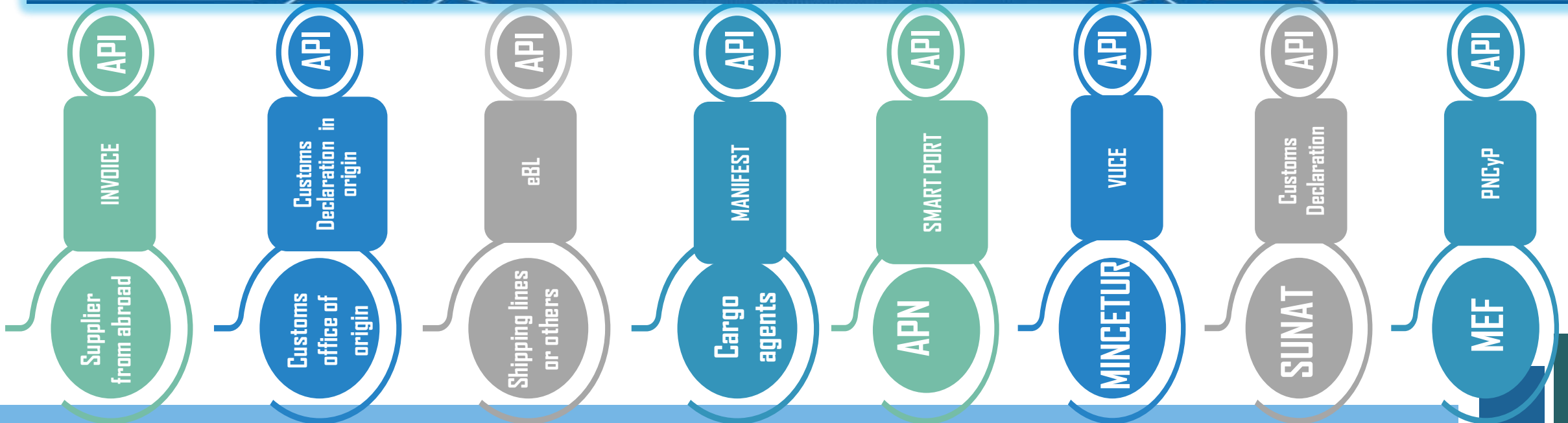
CADENA



Blockchain created by the Federal
Tax Service of Brazil, connects
Customs Administrations of Brazil
– Argentina - Paraguay - Uruguay.



Proposal for the entry process



**INFORMATION IN
CUSTOMS DECLARATION**

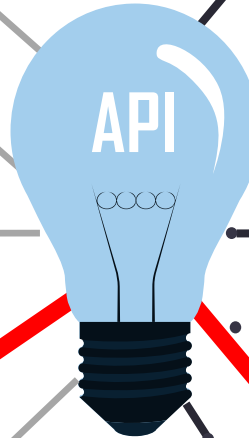
Payment method type code

Unique Taxpayer Registry (RUC) Bank

Transfer amount

Operation number

Financial Transaction Tax Amount



**INFORMATION SENT TO SUNAT
BY FINANCIAL ENTITIES**

Payment method type code

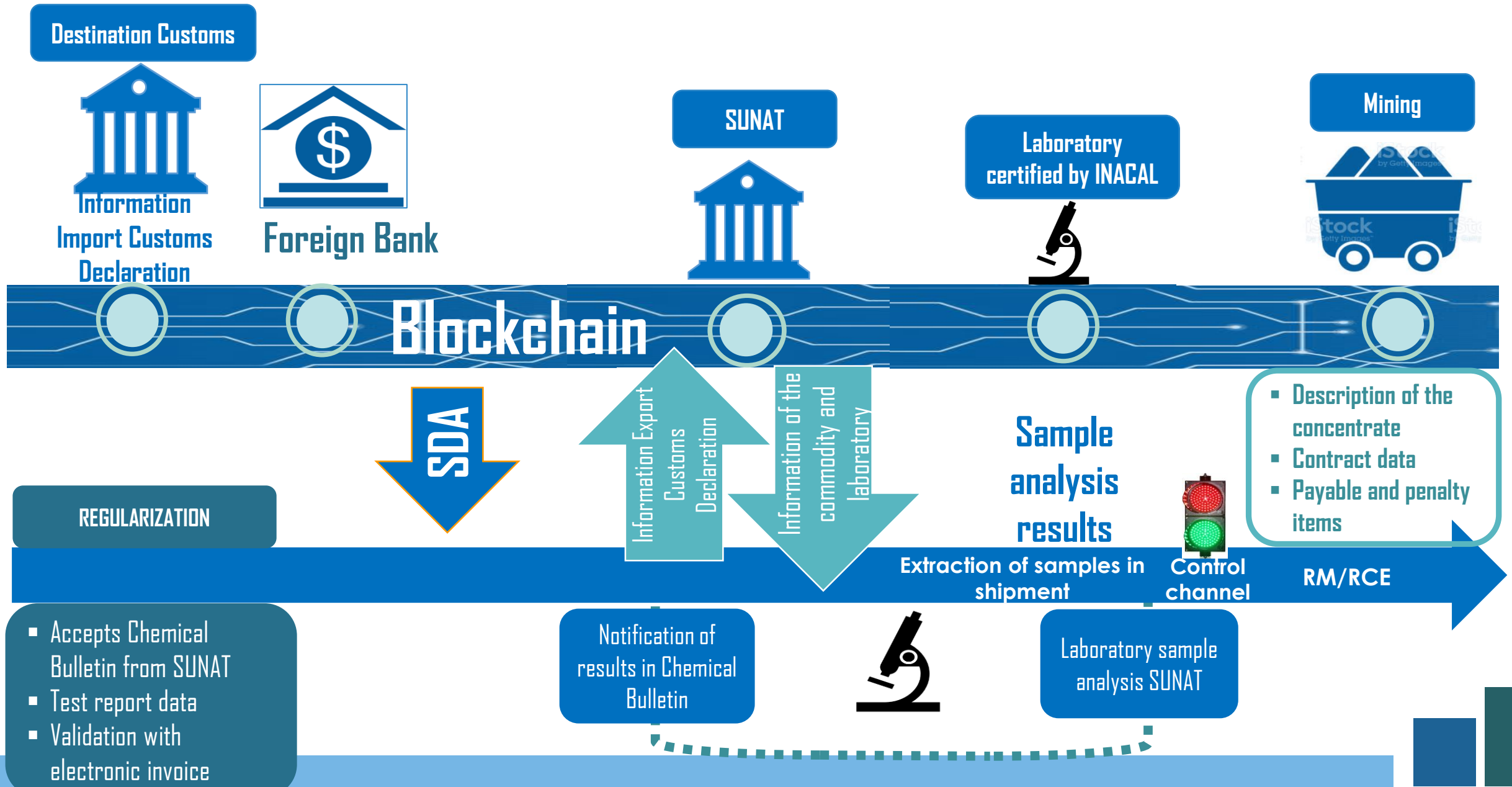
Unique Taxpayer Registry (RUC) Bank

Transfer amount

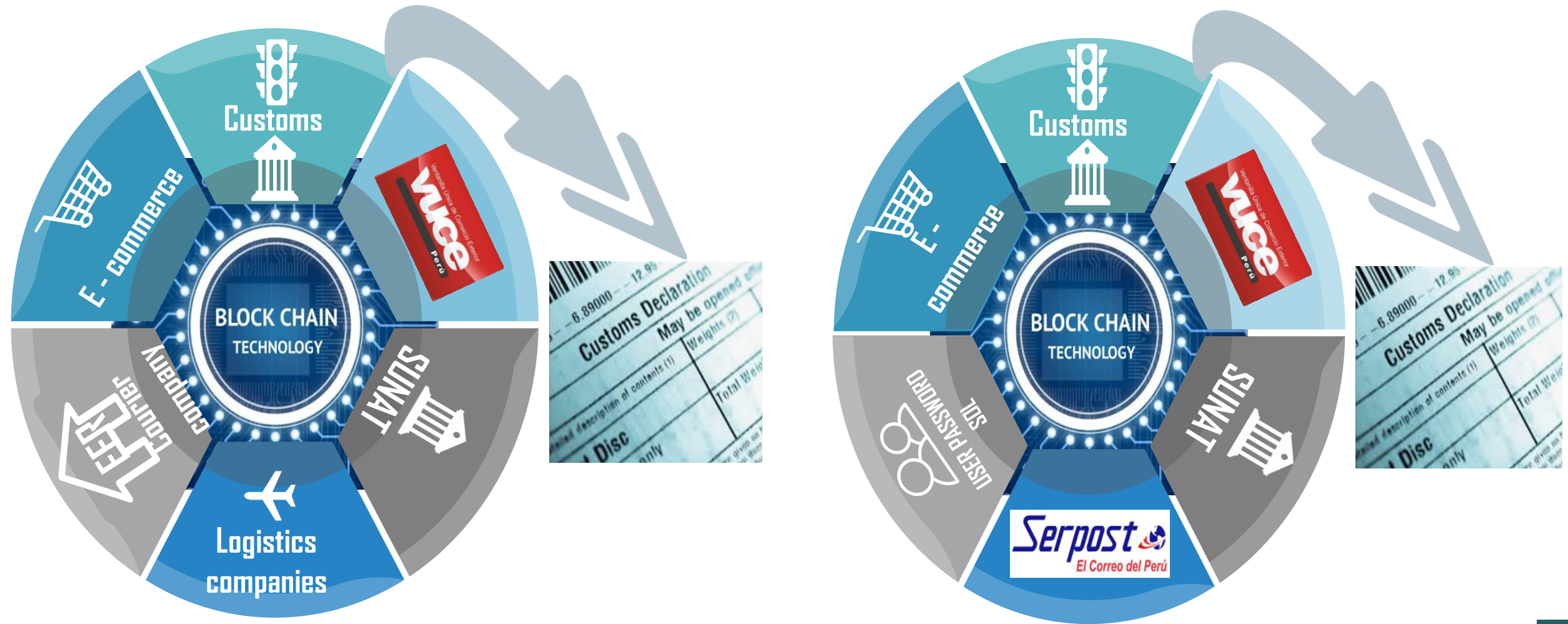
Operation number

Financial Transaction Tax Amount

Process for exporting mineral concentrates



Proposal for courier and postal process





**Thanks for your
attention!**