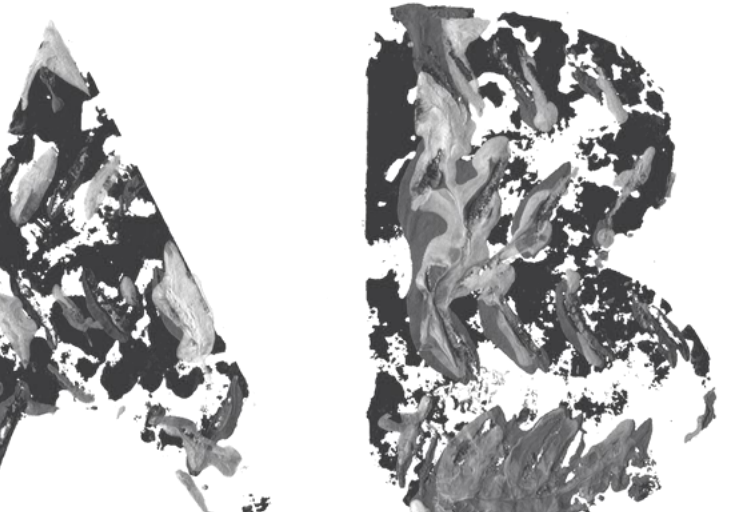


# L CCHAIN

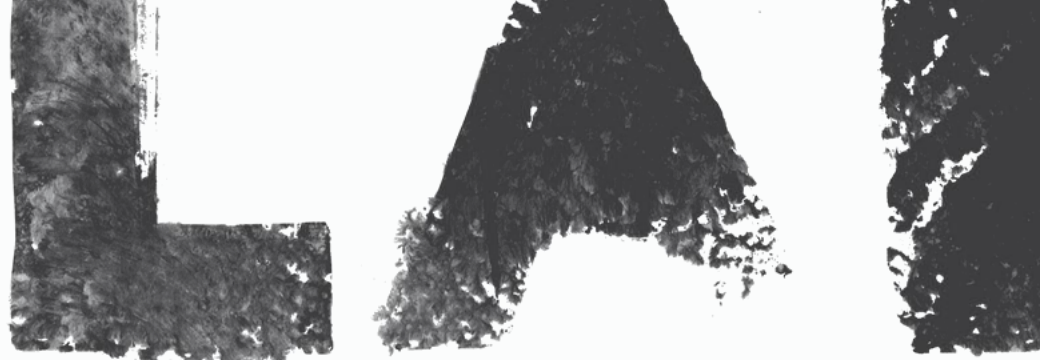


**Global Alliance for the  
development of the blockchain  
ecosystem in Latin America and  
the Caribbean**

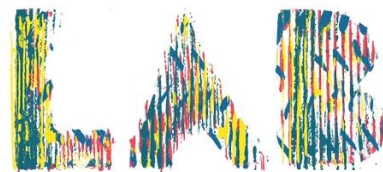


**Marcos Allende López**  
Techical Leader and Coordinator – LACChain  
[@marcosallendeL](#)





**IDB**



# Purpose of the program

## Community

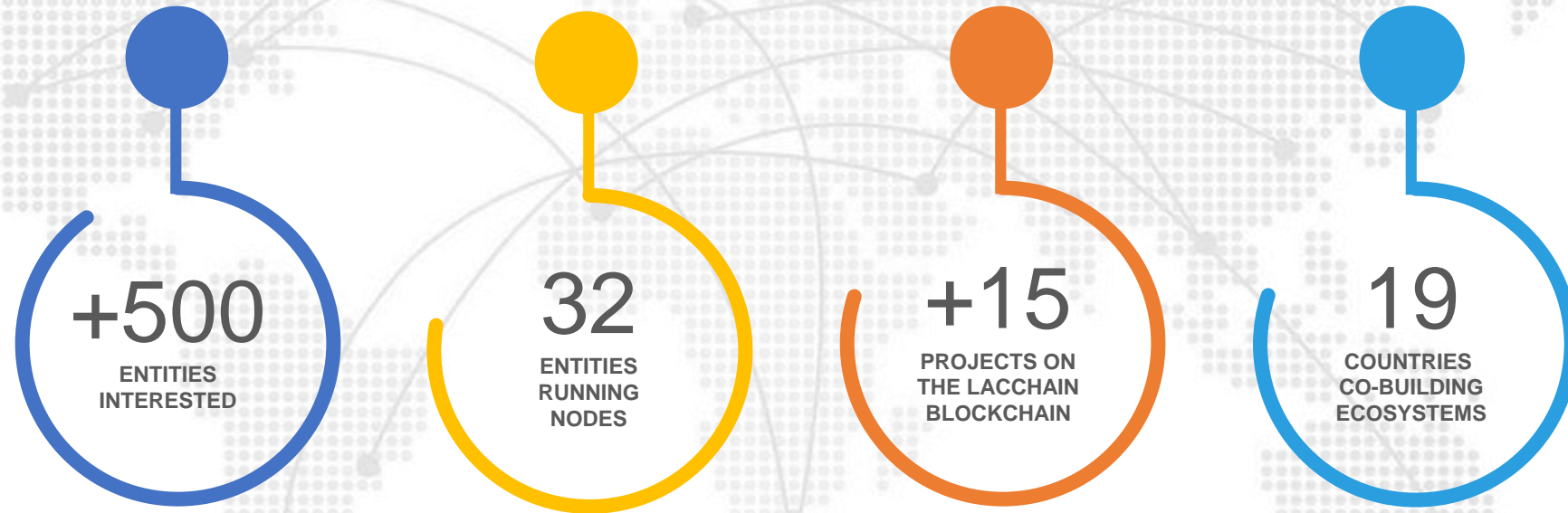
- Support local ecosystems
- Organize national workshops
- Coordinate working groups
- Hackatons and challenges
- Investments in start-ups

## Infrastructure

- Development and maintenance of public-permissioned networks
- Development of native layers of SSI and tokenized fiat money (TFM)
- Development of monitoring tools and data analytics tools
- Development of free apps (i.e. LACChain Notarizer)
- Marketplace and LACChain Store



# KPIs



# Partners



# Entities running nodes



# A glimpse of some of the projects on course



## Academic diplomas

Blockcerts Caribe



## Agriculture, supply chain

REDDChain



## Bonds

Bonds  
Cryptobonds  
Green Bonds



## Customs and trade

Proyecto Cadena



## Digital money

Cross-border payments  
with blockchain.  
E-money in Mexico.  
Vale digital.



## Domestic violence

Ni1+



## Health

David-19  
Vaccination  
Transparency Platform



## Land registry

Digital registry of  
property.  
Land Registry.



# A glimpse of some of the projects on course



## Microlending

Microfinance for water and sanitation pilot.



## Procurement

Licitaciones Públicas Honduras (ProFIB)



## Quantum tech

Post-quantum cryptography  
Quantum Key Distribution.



## Supply chain

Coffechain Honduras.  
Coffee - Perhusa



## Traceability

BID Lab acquisition processes



# Shared vision

Alejandro Pardo, Principal Specialist at IDB Lab, Founder and Leader of LACChain.

"It is the Economy.....! Blockchain is The Economy. The internet protocol was simply incomplete, as it fell short to allow transferring the ownership of any kind of digital assets in real time at almost zero cost. Blockchain makes possible the economy over internet. Let's roll up our sleeves and harness this technology to build together an internet-enabled, open and inclusive new economy".



**Convergence**  
The Global  
Blockchain  
Congress  
2019



# LACChain as the internet of value

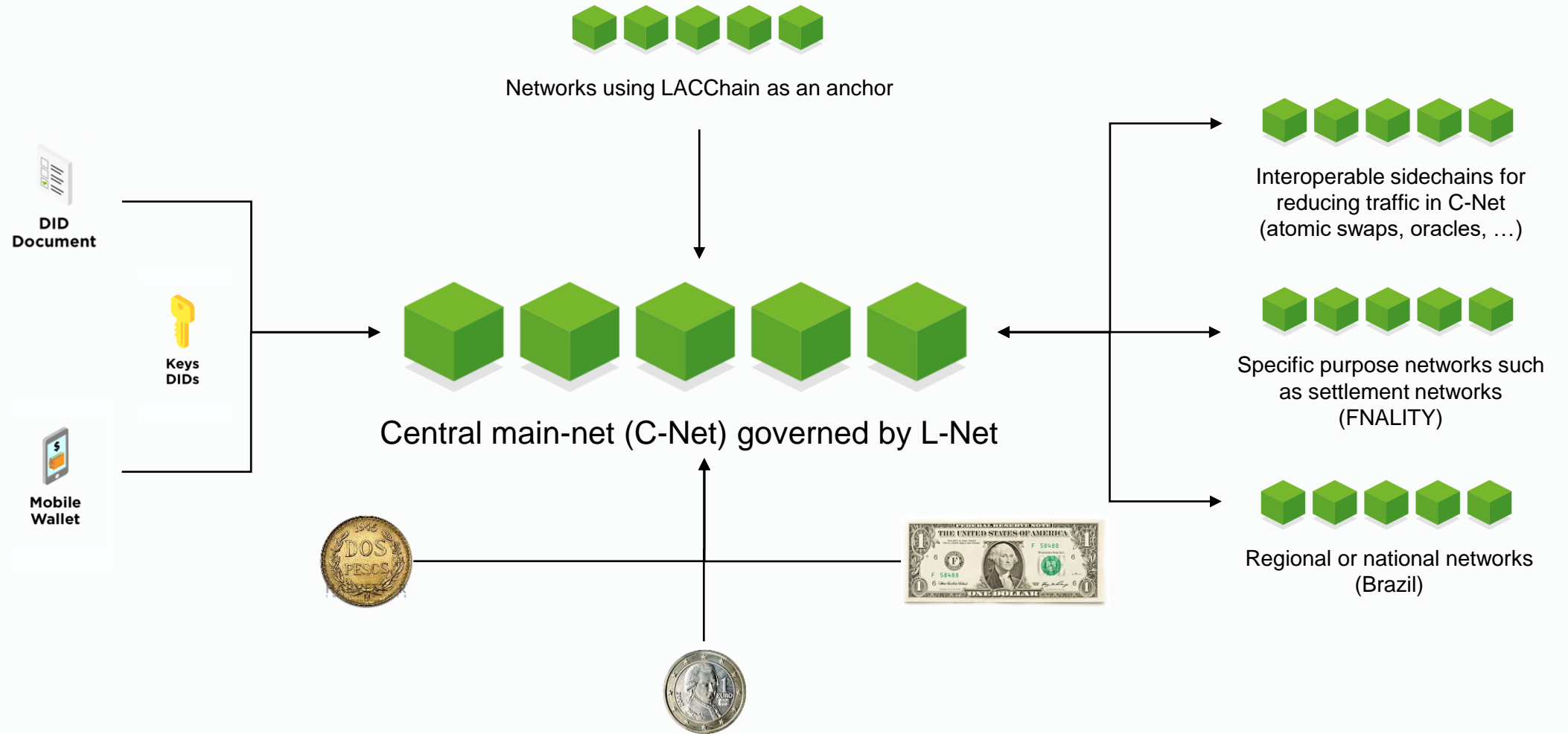
**3. Tokenized fiat money – Minted by authorized financial institutions. Regulatory compliant. KYC and AML process. E-money token standard.**

**2. Self-sovereign identity – Decentralized identifiers (DIDs), verifiable credentials (VCs), verifiable presentations, digital wallets, CAs, trust lists, regulation, data protection, trust frameworks.**

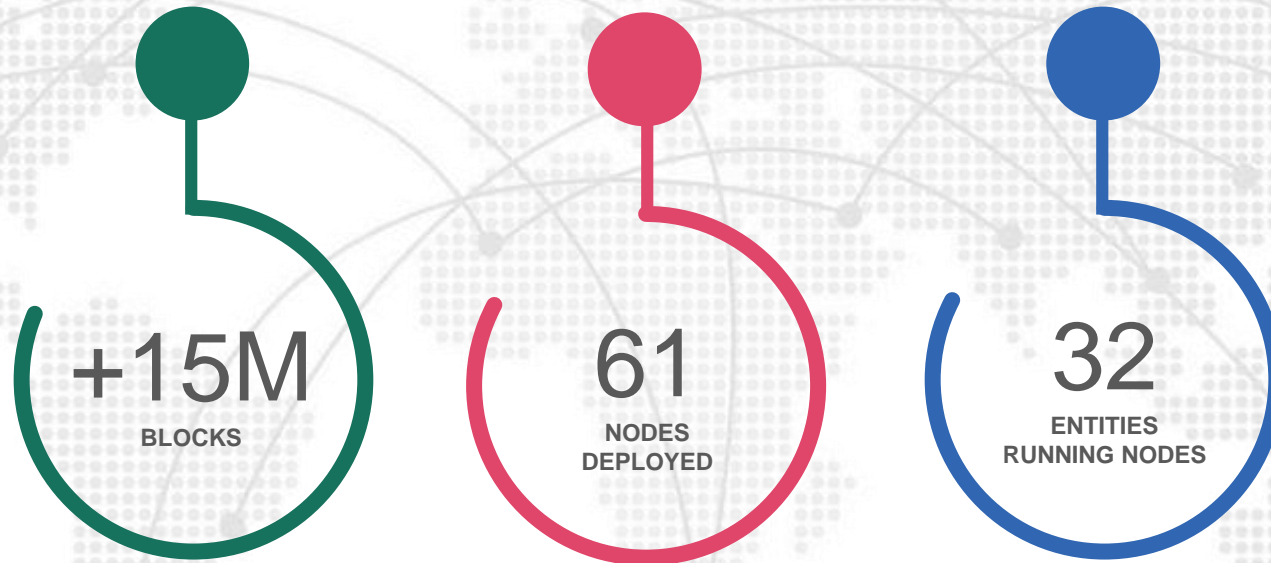
**1. Public-permissioned networks – Open, decentralized, multipurpose, multicomunity, scalable, regulated, with identification, and transaction fee free.**



# LACChain as a quantum-safe network of networks



# Network stats





## Monthly Transactions Overview

**16,297,555**  
Earliest Block Number

**17,465,572**  
Latest Block Number

**October 2nd 2020, 13:11:09**  
Earliest Txn Timestamp

**November 1st 2020, 13:11:04**  
Latest Txn Timestamp

[View Daily Transactions Overview](#)

Total Transactions  
**501,568**

Avg. Transactions Per Day  
**16,179.61**

Max Transactions Per Day  
**49,964**

Avg. Transactions Per Block  
**0.428**

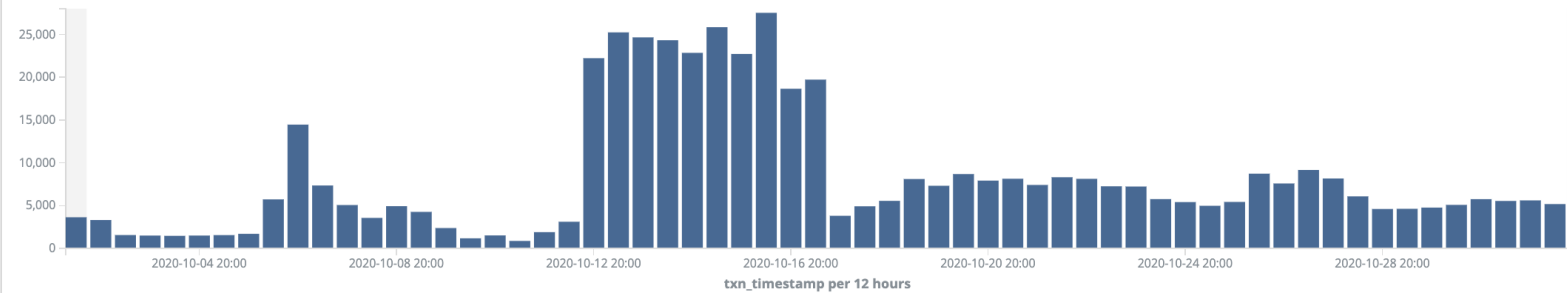
Max Transactions Per Block  
**23**

Min Transactions Per Block  
**0**

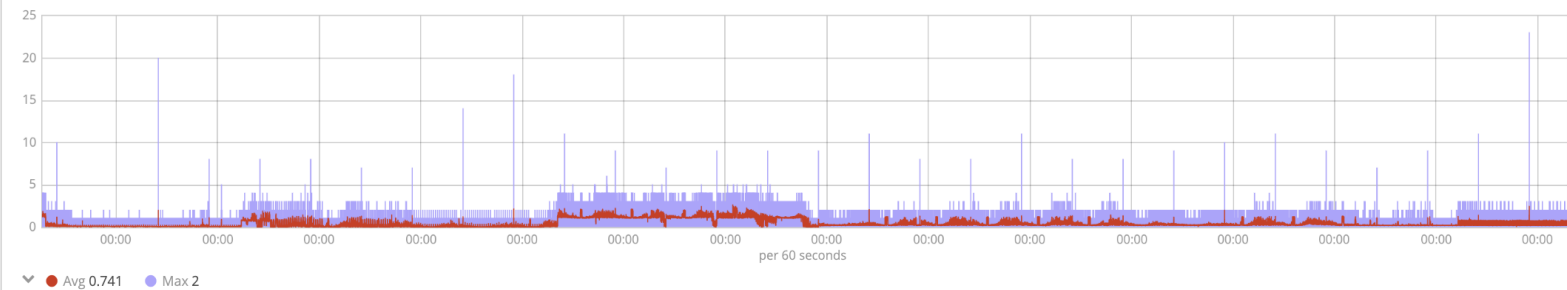
**40,058**  
Num. Unique Senders

**1,303.71**  
Avg. Num. Unique Senders  
Per Day

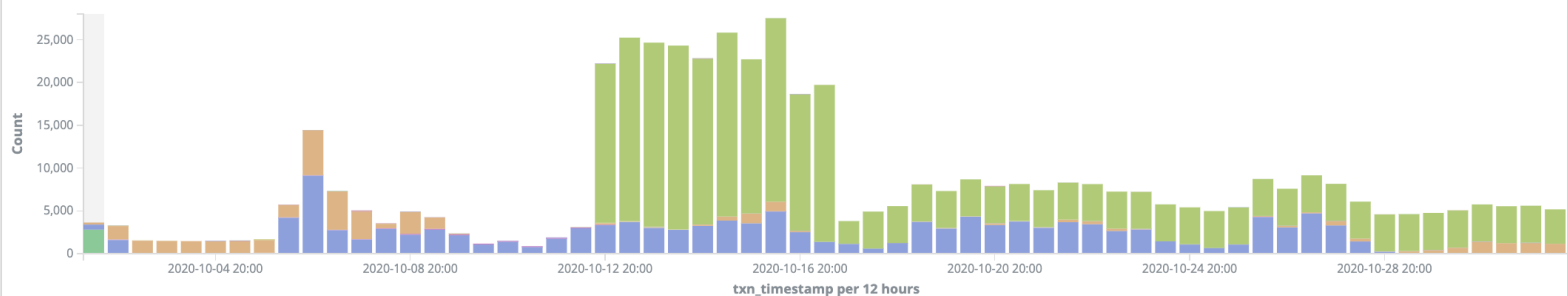
### Transaction Volume



### Transactions Per Block



### Transactions By Sender Address



### Comments

- Data source for this dashboard is the entire ledger from the writer node we are operating in the LACChain network.
- **Transaction Volume:** Count of all transactions occurring over the network.
- **Transactions per Block:** Average & Max transactions per block for all blocks in a 1min window. Given a block is posted on average every ~2.2 seconds, each point on the graph should reflect ~27 blocks.
  - We measure this to understand the load put on each block. When this metric spikes, blocks have to process a lot of transactions and may increase block interval time.
  - Values in the legend reflect the latest minute average and max values, not overall in the time period.

- **Transactions by Sender Address:** Count of all transactions split by sender address. The top 5 senders are shown for each time period, with the rest showing up as "Other Addresses".

- Starting July-23, a new sender address began sending the majority of transactions.
- The spike in transactions on Aug-03 were from a number of sender addresses sending a few transactions each (as shown by the bulk of transactions being grouped as "Other Addresses").

# ITU recognition

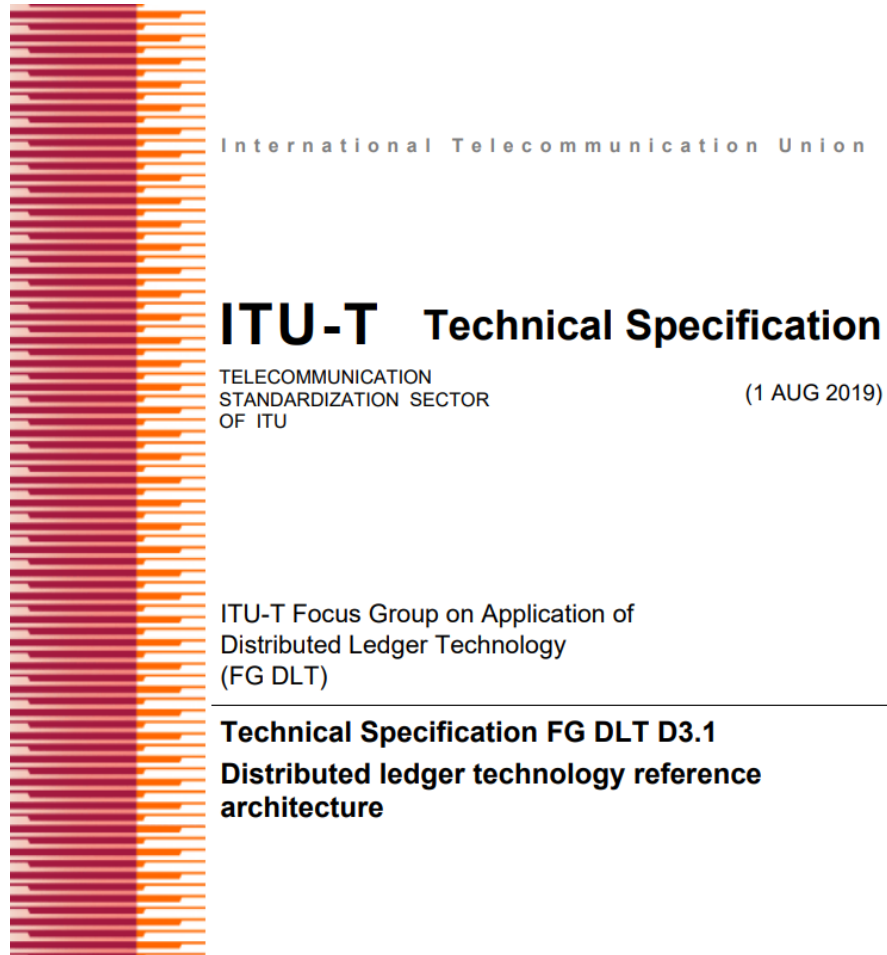


Table A.1: Overview of architecture mapping to existing DLT platforms

Attachment	Platform	Contributor	Organization	Reviewer	Organization
I	Alastria (Quorum version)	Jesus Ruiz	Alastria	Paulo Brizola	Multiledgers
II	Ardor	Skylar Hurwitz	Jelurida	Xiaofeng Chen	Qulian
III	Bitcoin	Robin Renwick	Independent	Lisa Tan	Economics Design
IV	Corda	Paulo Brizola	Multiledgers	Ruifeng Hu	Huawei
V	EOS	Ning Hu	Ontology	Giovanni Cambroner	ANCE
VI	Ethereum	Suzana Maranhão	BNDES	Ning Hu	Ontology
VII	Fabric	Ruifeng Hu	Huawei	Paulo Brizola	Multiledgers
VIII	Hyperchain	Xiaofeng Chen	Qulian	Baixue Yang	CAICT
IX	LACChain	Marcos Allende	IADB	Ismael Arribas	Kunfud
X	Masterchain	Alexander Chuburkov	Russian Fintech Association	Lisa Tan	Economics Design
XI	Monero	Robin Renwick	Independent	Lisa Tan	Economics Design
XII	Ontology	Ning Hu	Ontology	Baixue Yang	CAICT
XIII	Quorum	Ismael Arribas / Jose Nogueira	Kunfud/BNDES	Paulo Brizola	Multiledgers
XIV	Sawtooth	Ruifeng Hu	Huawei	Xiaofeng Chen	Qulian



# Registration form

## 🔗 REGISTRATION AGREEMENT FOR NODE DEPLOYMENT

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We understand that this is an agreement form required for the deployment of nodes in the LACChain Blockchain Networks at Test-Net stages.

The entity accountable for the deployment of the nodes will be *NAME\_OF\_THE\_ENTITY\_\_* residing at *ADDRESS*. The technical person responsible for the administration of the nodes will be *NAME\_\_* reachable at the e-mail address *E-MAIL\_ADDRESS\_* and at the phone number *PHONE\_NUMER\_INCLUDING\_COUNTRY\_CODE*. The point of contact from your organization for communications of general purpose related to LACChain will be *NAME\_\_* reachable at the e-mail address *E-MAIL\_ADDRESS\_* and at the phone number *PHONE\_NUMER\_INCLUDING\_COUNTRY\_CODE\_*.

We hereby declare that we have read and agree with the [Terms and Conditions for LACChain Test Networks for Writer Nodes](#), and the [Terms and Conditions for LACChain Test Networks for Validator Nodes](#).

Signature:

Name:

Date:

Place:





# Know more!



Block explorer: <http://dashboard.lacchain.net>



Transaction explorer: <http://explorer.lacchain.net>



LACChain Notarizer: <http://notarizer.lacchain.net>



Github: <https://github.com/lacchain>



Roadmap: <https://medium.com/@lacchain.official/lacchains-networks-roadmap-600b58872e43>



Video: <https://vimeo.com/336766495/b5be8ffc46>



Medium blog: <https://medium.com/@lacchain.official>



Linkedin: <https://www.linkedin.com/company/lacchain-ecosystem/>



Twitter: <https://twitter.com/lacchain?lang=en>



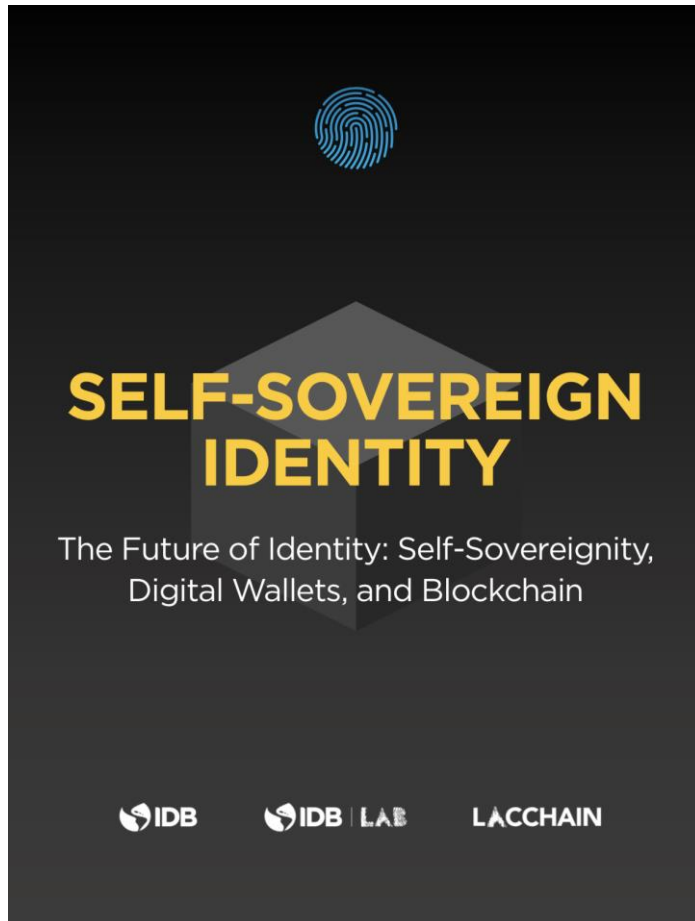
Email: [info@lacchain.net](mailto:info@lacchain.net)



[www.lacchain.net](http://www.lacchain.net)

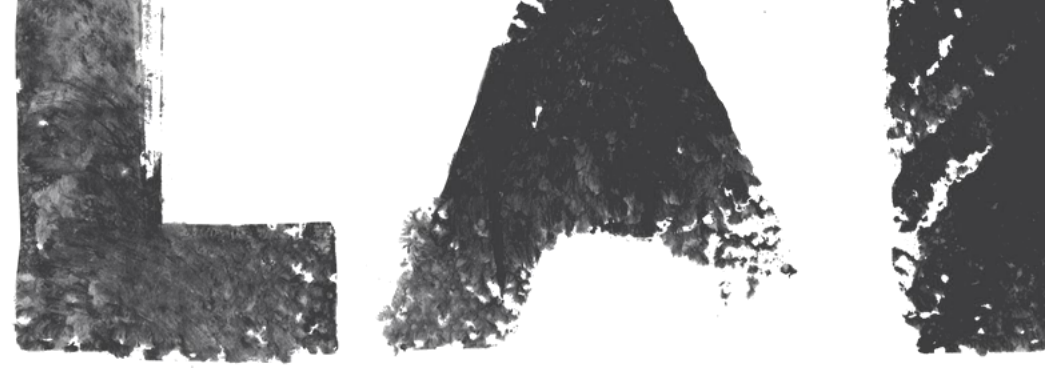


# And download our new paper!

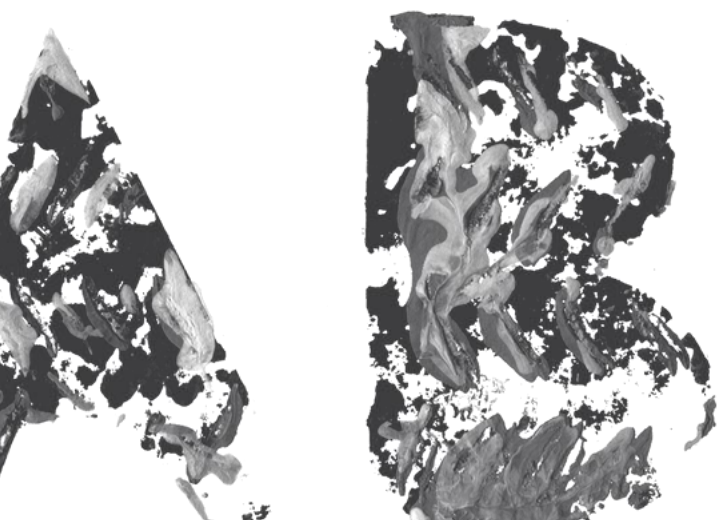


Written in collaboration with the LACChain ID working group and peer-reviewed by experts from BNDES, INATBA, UE ISO, ITU, and OECD.





# L CCHAIN



**Global Alliance for the  
development of the blockchain  
ecosystem in Latin America and  
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