HYPERLEDGER
LATINOAMERICA

Markets for Innovation

Supply Chain and Trade Finance SIG
November 17, 2022

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It is Time

It is time to strengthen our Blockchain Ecosystem.

It is time to combine technical breakthroughs
with socio-institutional innovation.

It is time to
bring together business and developers,
connect entrepreneurs with markets,
broaden user-bases for existing solutions,
pair capacity building with institutional development.

It is time to see world issues in regional contexts.

It is time to understand global problem domains
in their local geographies.

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we have the perfect match to find out how to do this

Two Special Interest Groups	*Two Regional Chapters*
Supply Chain and Trade Finance SIG	Hyperledger Latinoamerica
Climate Action and Accounting SIG	Hyperledger Brazil

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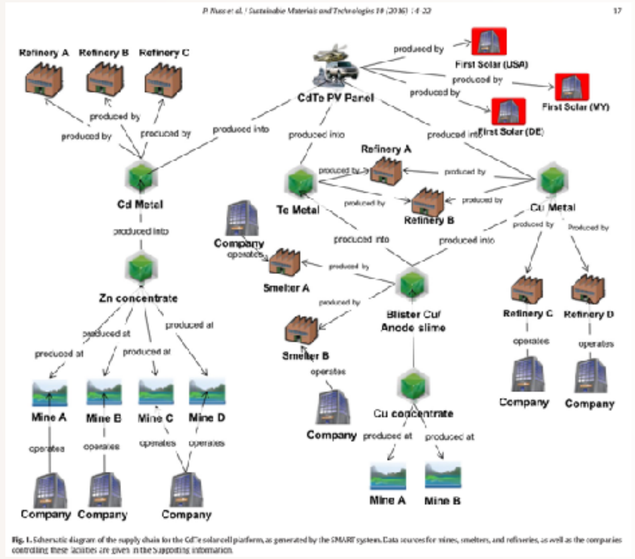
The **Supply Chain and Trade Finance Special Interest Group** understand *commerce and trade*.

Networks that create and sell products in a geography of interactions between individuals, organizations, resources, and activities.



The **Hyperledger Latinoamerica** and the **Brazil Regional Groups** encompass 18 countries in a *large portion of our globe*.

Existing methods, frameworks, and applications are available for a broader user base, while opportunities for innovation are ready for eager entrepreneurs.

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History

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Founding Members	Projects	Businesses	Industries & Sectors

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	7 Regional Chapters	International Organizations	
	3 WGs	Local Organizations	Regulators
	8 SIGs	Academia	
	182 Meetups	Other Blockchains	
	89,484 Participants		

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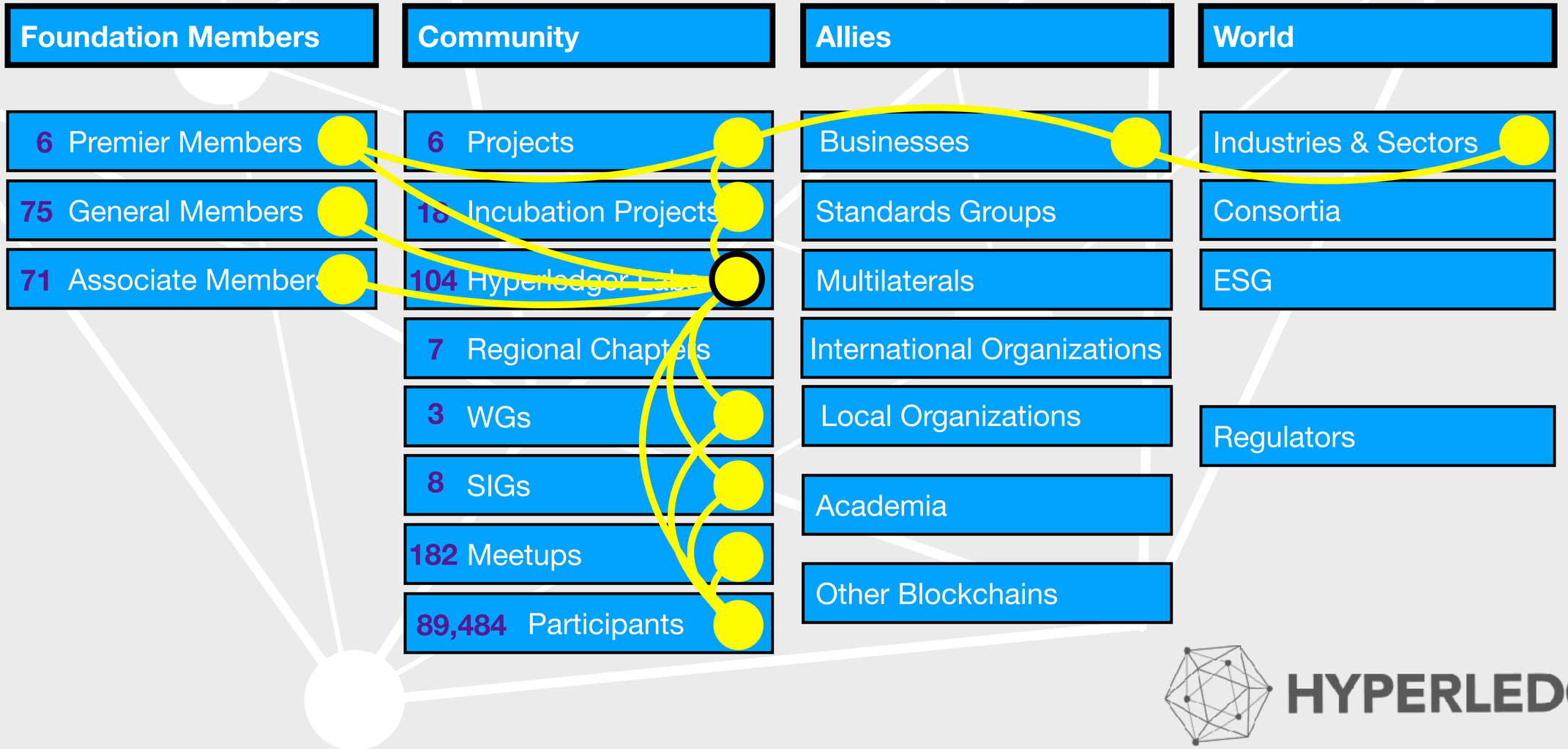

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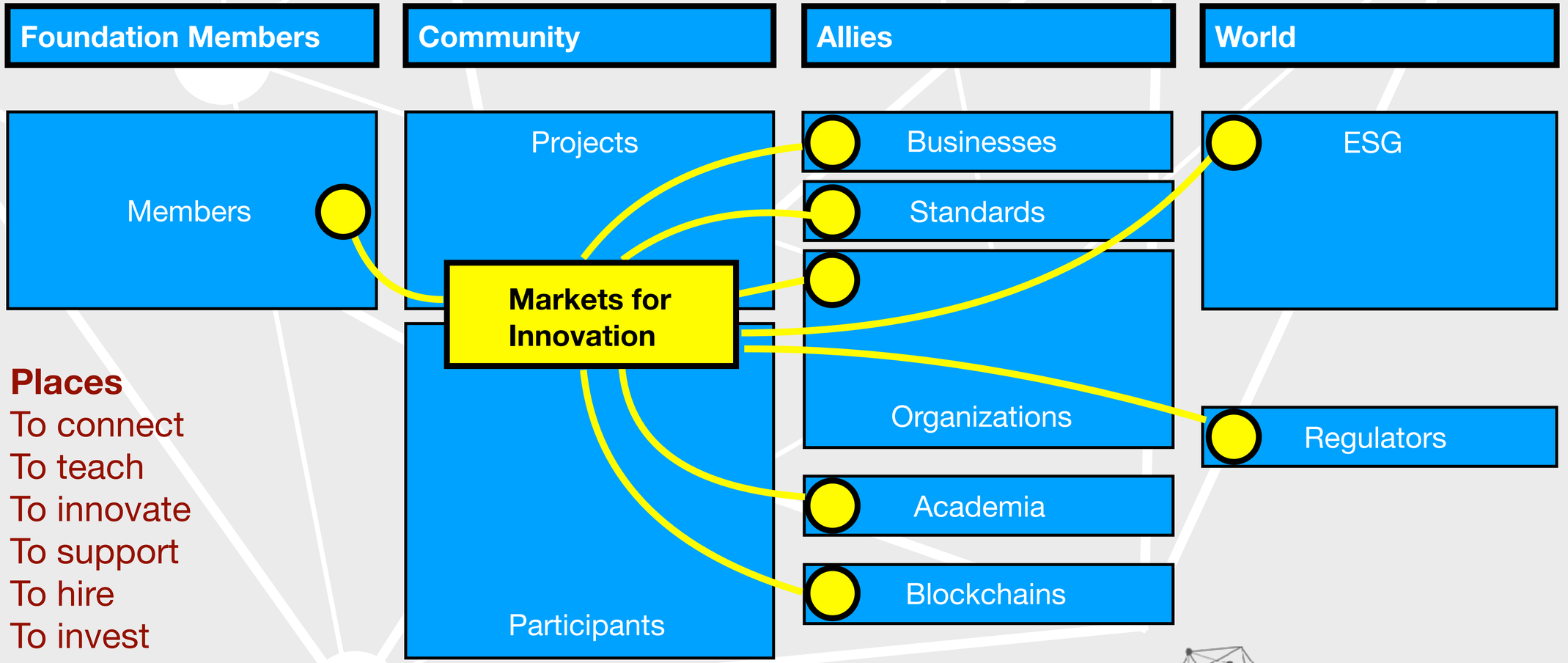

Places
To connect
To teach
To innovate
To support
To hire
To invest

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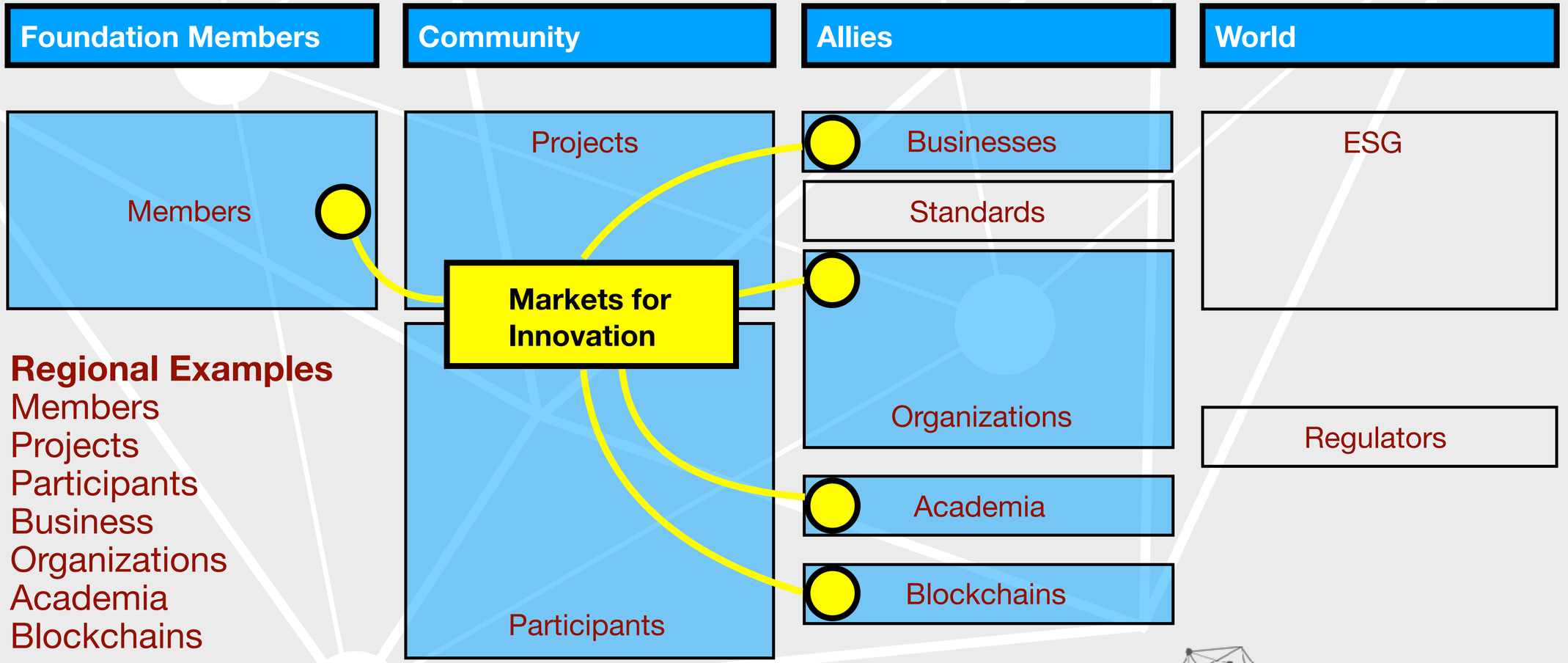

Regional Examples
Members
Projects
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Business
Organizations
Academia
Blockchains

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BTRAZER

TRAZABILIDAD INTELIGENTE DESDE EL ORIGEN AL CONSUMIDOR

¿Cómo revolucionaremos su empresa?

BTrazer® es una plataforma B-SaaS que permite Trazar un producto desde el Origen, desde la planta donde se comienza con una Identificación individual de cada productor, tomando Georeferencias y generando lotes de los productos con tecnología Blockchain. Esto permite generar transparencia y claridad al proceso de producción de la cadena de valor, desde la finca - planta hasta el consumidor.

Innovación en la Cadena de Suministro con Blockchain.

Walter Álvarez
Founding Member
Hyperledger
Latinoamerica
Regional Chapter

CEO
BlockFactory

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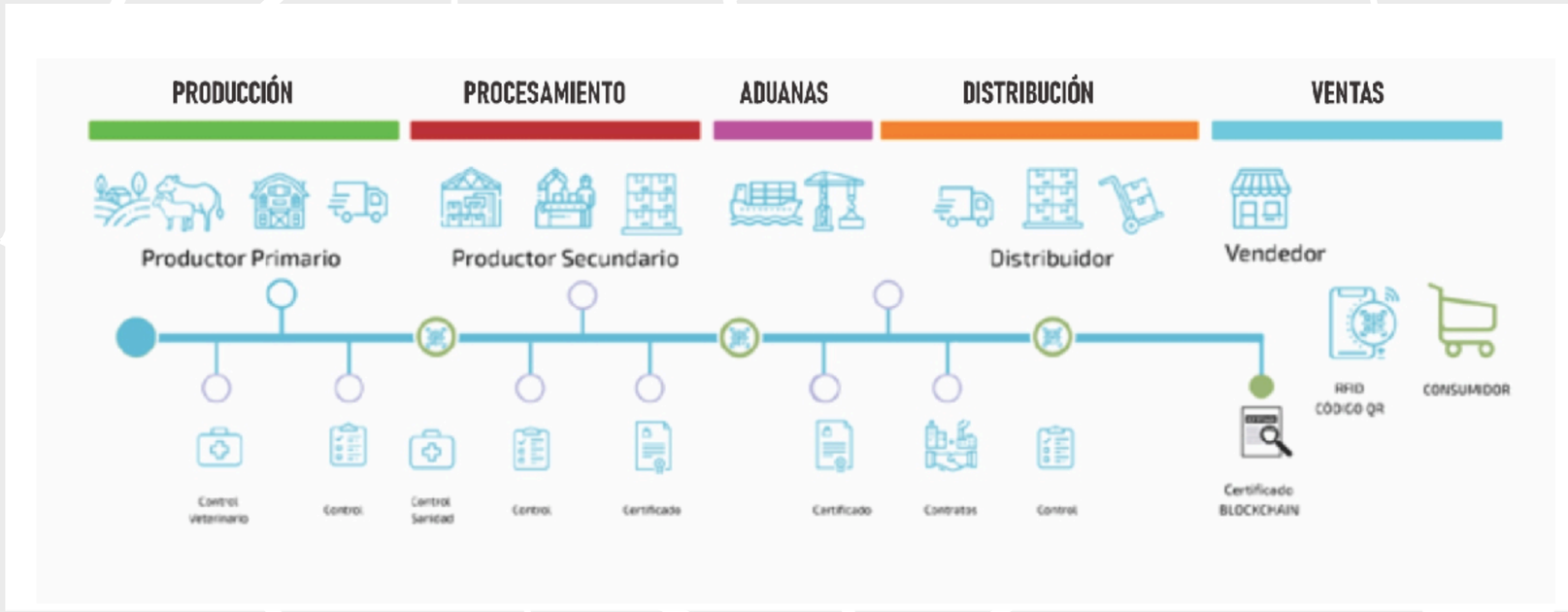

Aliados

HYPERLEDGER · BID LAB · HYPERLEDGER BESU · aws · CIDITIC

Clientes

Healthy GROWERS HYDROPONICS AND GREENHOUSE GROWN · integra Labs

En caso de que un producto no cumpla con los estándares de un minorista, es crucial limitar el tiempo que lleva rastrear la fuente de un producto, ya que permite a los minoristas aislar este producto más rápidamente, minimizando así el riesgo de daños a los humanos.

- GANADERO Y RAZAS
- ACEITE SOJA
- ORGÁNICO
- LÁCTEOS
- CONSERVAS
- VINOS Y LICORES
- ESPECIAS
- CAFE
- HORTALIZAS HYDROPONICAS

Otros Sectores

En las especies bovina, ovina, caprina y equina la identificación se realiza de manera individual para permitir un correcto seguimiento de cada individuo e incluso de su descendencia,mientras que en especies de producción intensiva, como el porcino o las aves, la identificación se realiza por lotes de animales que son criados en condiciones idénticas.

PESCA

La trazabilidad pesquera proporciona información relevante sobre los productos pesqueros desde su desembarco hasta su llegada al consumidor final, proceso durante el cual se pasa por diferentes operadores intermediarios en las cadenas de producción, transformación y distribución.

PHARMA

La trazabilidad de Productos Farmaceuticos es vital y proporciona un tablero de control sobre los mismos, posibilitando la creación de alertas y alarmas para un registro más eficiente y efectivo, definiendo perfiles de riesgo, delimitando patrones en la circulación de las sustancias y permitiendo la automatización del entrecruzamiento de la información.

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Ricardo Ruano
Founding Member
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CEO and Founder
Zeyo

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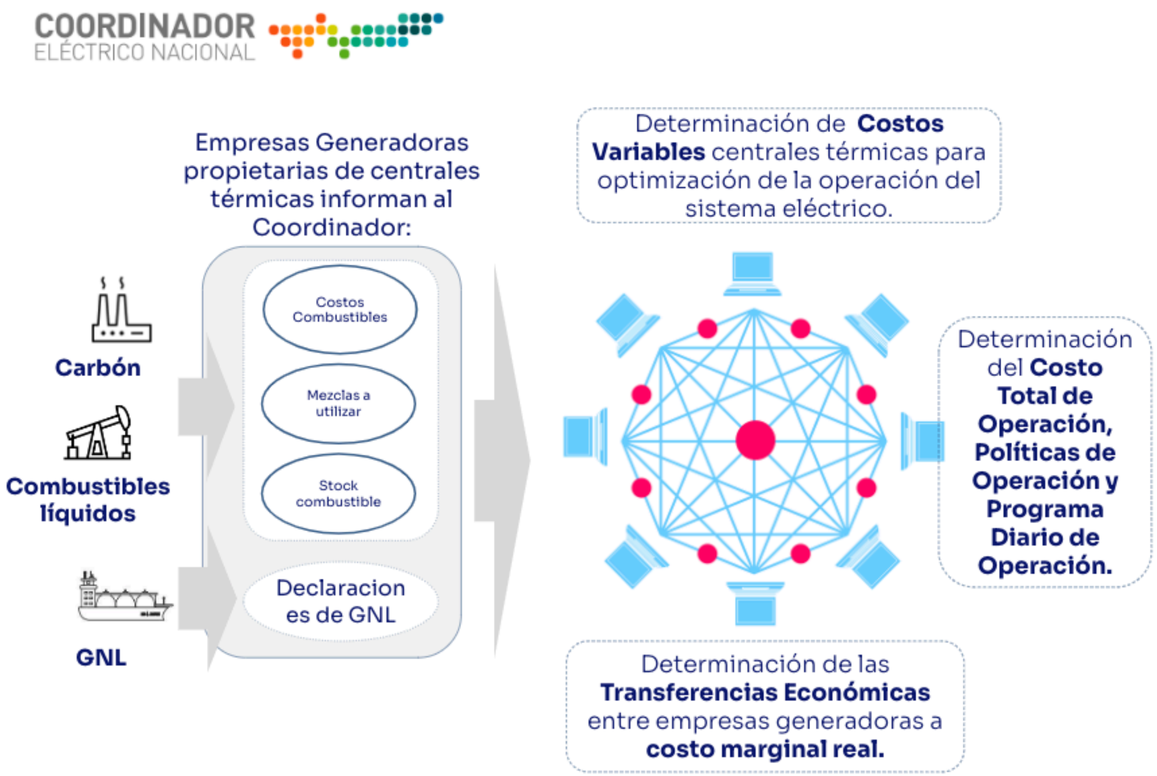
Caso de Uso Blockchain
Sector Eléctrico



Declaración de Costos, stocks y mezclas de combustibles para generación eléctrica en Chile

Powered by zeyo

Ricardo Ruano
Founding Member
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CEO and Founder
Zeyo

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Caso de Uso Blockchain
Trazabilidad Fiscal

SRi
Servicio de Rentas Internas

+220
Empresas

+70MM
productos

www.zeyo.io

En Ecuador más de 70 millones de productos individuales solo en el 2022 son marcados y trazados con Blockchain para habilitar:

- Autenticidad del producto
- Pago de impuestos

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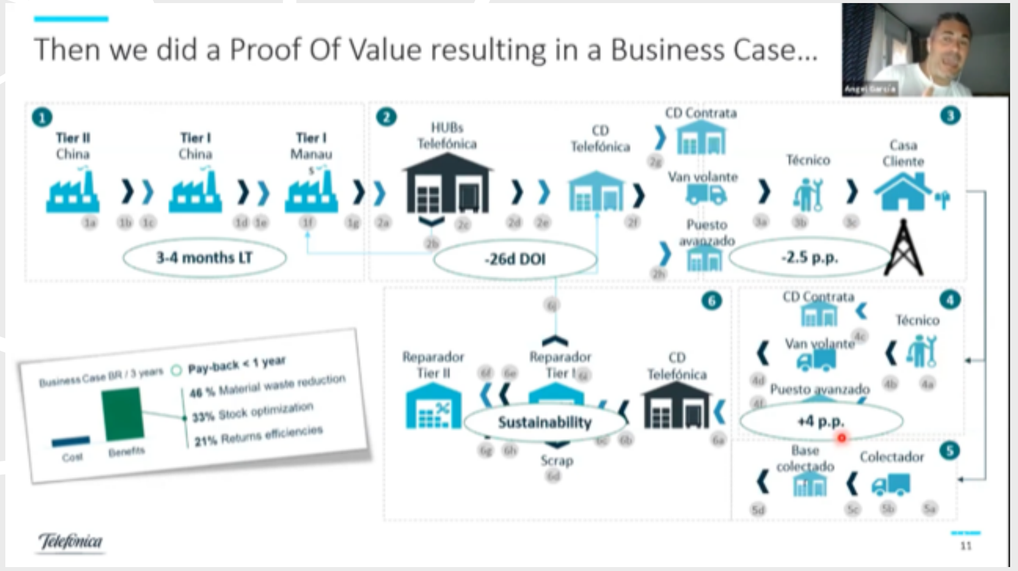

Fernando Valero
Global Supply Chain

Telefónica

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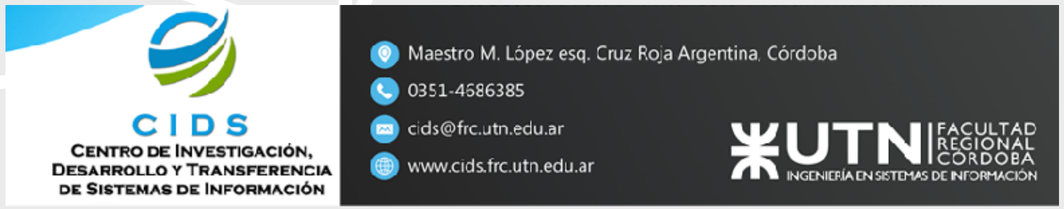

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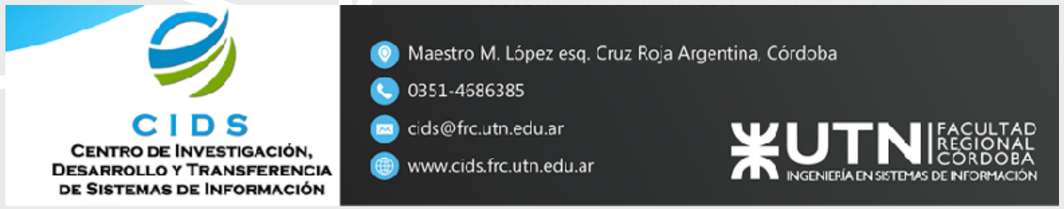

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HYPERLEDGER LATINOAMERICA

César Melara
Hyperledger
El Salvador

Profesor
UCA
Universidad
Centromericana
José Simeón Cañas

Diplomado en gestión de la cadena de suministros
Maestría en gestión de la cadena de suministros

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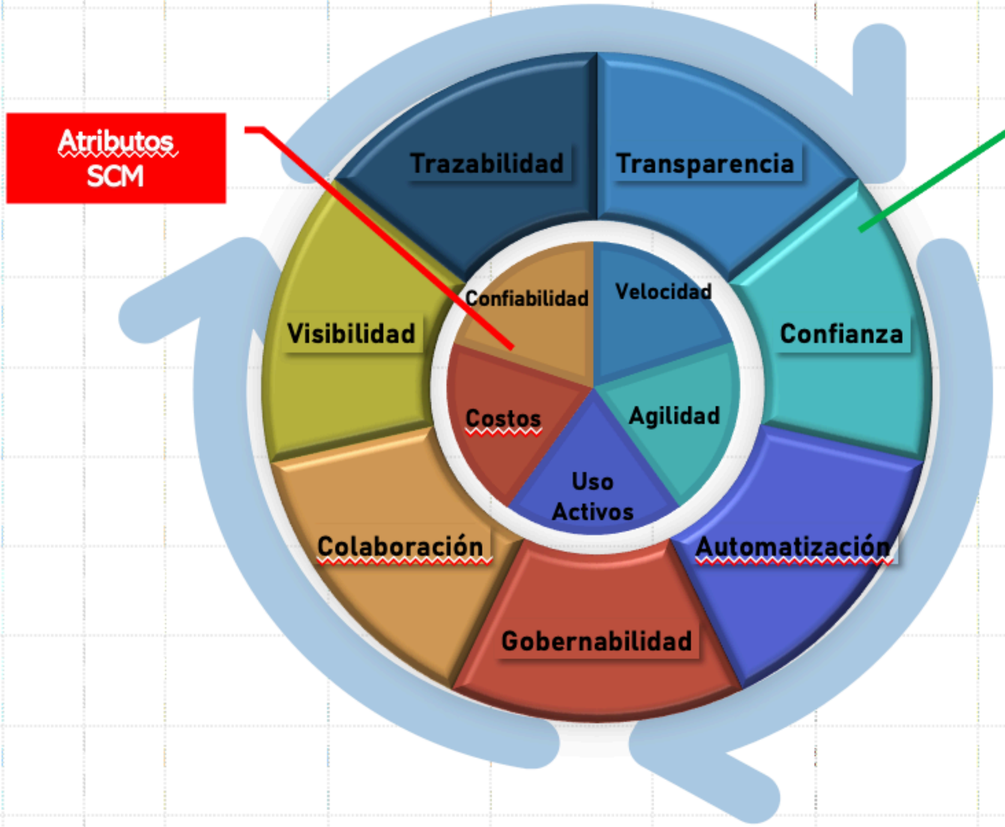
TD4SC - Modelo de alineación Transformación Digital (TD) - Blockchain – Cadenas de Suministro



Atributos TD

Le ayuda a identificar los valores económicos y sociales que debe generar la transformación digital en una cadena de suministro.

El modelo cruza los atributos de SCM con los atributos de las herramientas de Transformación Digital para encontrar posibles mejoras en una o más métricas de SCM.

Luego pasa esas mejoras a través del árbol de Dupont para identificar claramente el impacto financiero y determinar su efecto en el ROA de la Organización.

El modelo Permite la construcción de un ecosistema digital claro y seguro para las cadenas de suministro. Una luz al final del túnel.

Con el uso riguroso del modelo, se da Claridad total sobre lo que debe proporcionar la transformación digital en las cadenas de suministro, asegurando los valores a alcanzar y el camino a seguir.

El modelo tiene como columna vertebral el uso de Blockchain como Fuente única de registro compartido para toda la cadena .

Manuel Acero
President
LATAM Chapter

Andrés Von Simson
President South America East

BSCA Blockchain Supply Chain Association

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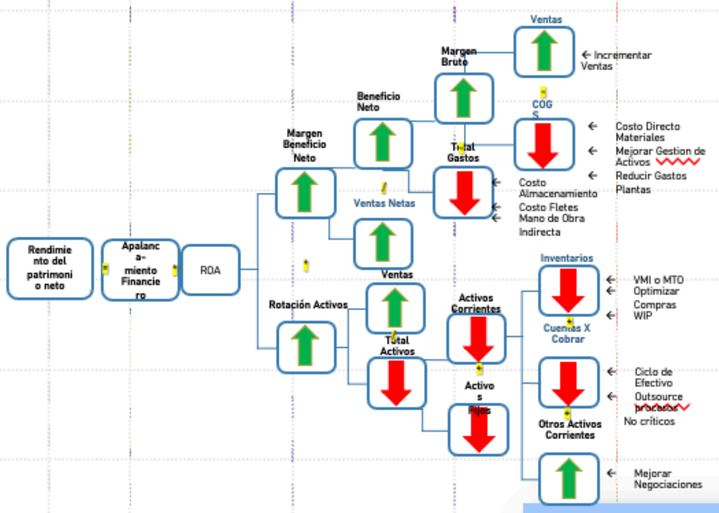
El Trio Perfecto de Modelaje Digital de Supply Chain

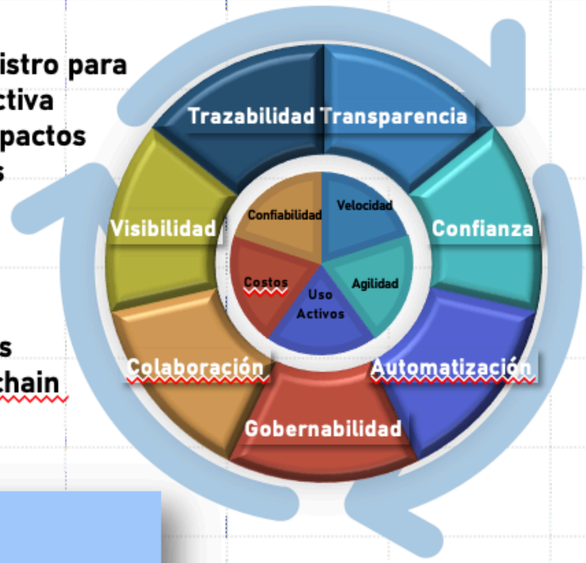
Manuel Acero
President
LATAM Chapter

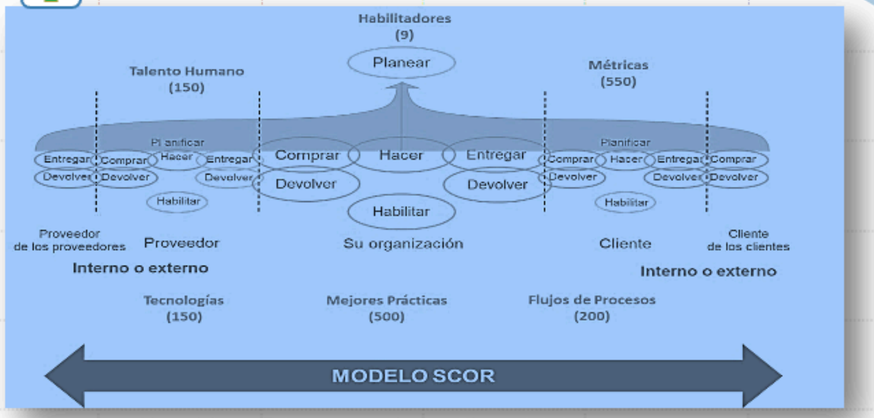
Andrés Von Simson
President South America East

BSCA Blockchain Supply Chain Association



1. Preparar las cadenas de Suministro para una Transformación Digital Efectiva
2. Preparar a la gente para los impactos de nuevos roles y competencias
3. Diseño de la Integración de Flujos y Smart Contracts para automatizar la cadena con Blockchain
4. Identificar Impactos económicos de la implementación de Blockchain





Manuel Acero Eslava - manuel.acero@bsca.global

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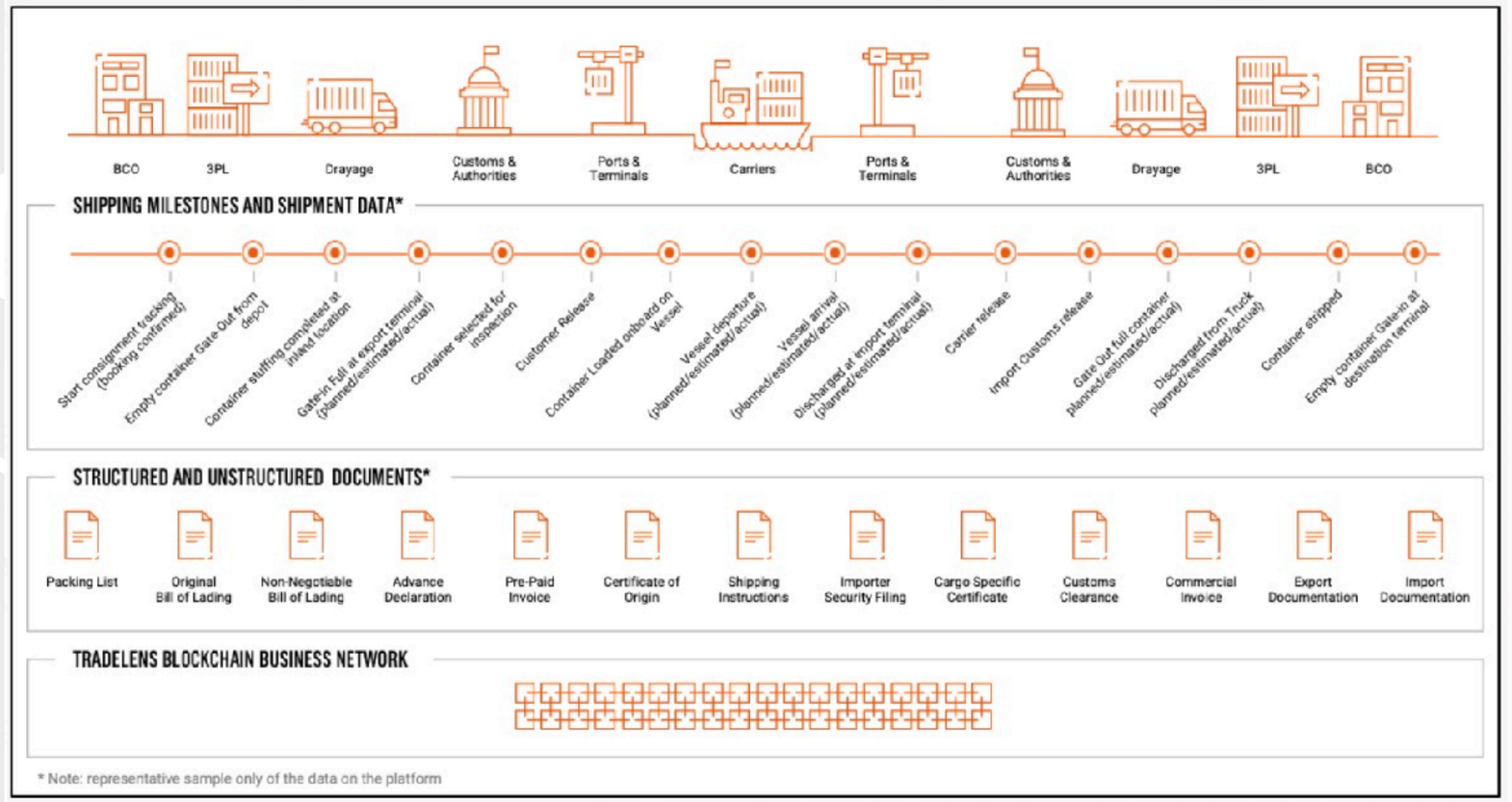

José Chichiraky
Hyperledger
Honduras

Financial Manager
MSC
Mediterranean
Shipping Company

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HYPERLEDGER BESU

IDB
Inter-American Development Bank

IDB Lab
LACChain

Proyecto en colaboración con:

CHILE ADUANAS CUSTOMS · DIAN POR UNA COLOMBIA MÁS HONESTA · Ministerio de Hacienda SERVICIO NACIONAL DE ADUANAS · HACIENDA · SAT · SUNAT · BID Banco Interamericano de Desarrollo · everis an NTT DATA Company

CADENA is a Blockchain solution to improve the cross-border exchange of data between customs administrations, allows sharing information about companies certified as Authorized Economic Operators (AEO) among customs offices that have signed Mutual Recognition Agreements (MRAs) of their AEO programs.

Vertical: Supply Chain and Foreign Trade

Technology: Blockchain, Digital Identity

Countries involved: Chile, Colombia, Costa Rica, Peru, Guatemala, Ecuador, Bolivia, and Mexico.

Entities involved: Customs Offices of the eight countries

Impact potential: 2000 companies benefited

URL: https://www.lacchain.net

Cadena project

Blockchain solution to improve the cross-border exchange of data between customs administrations.

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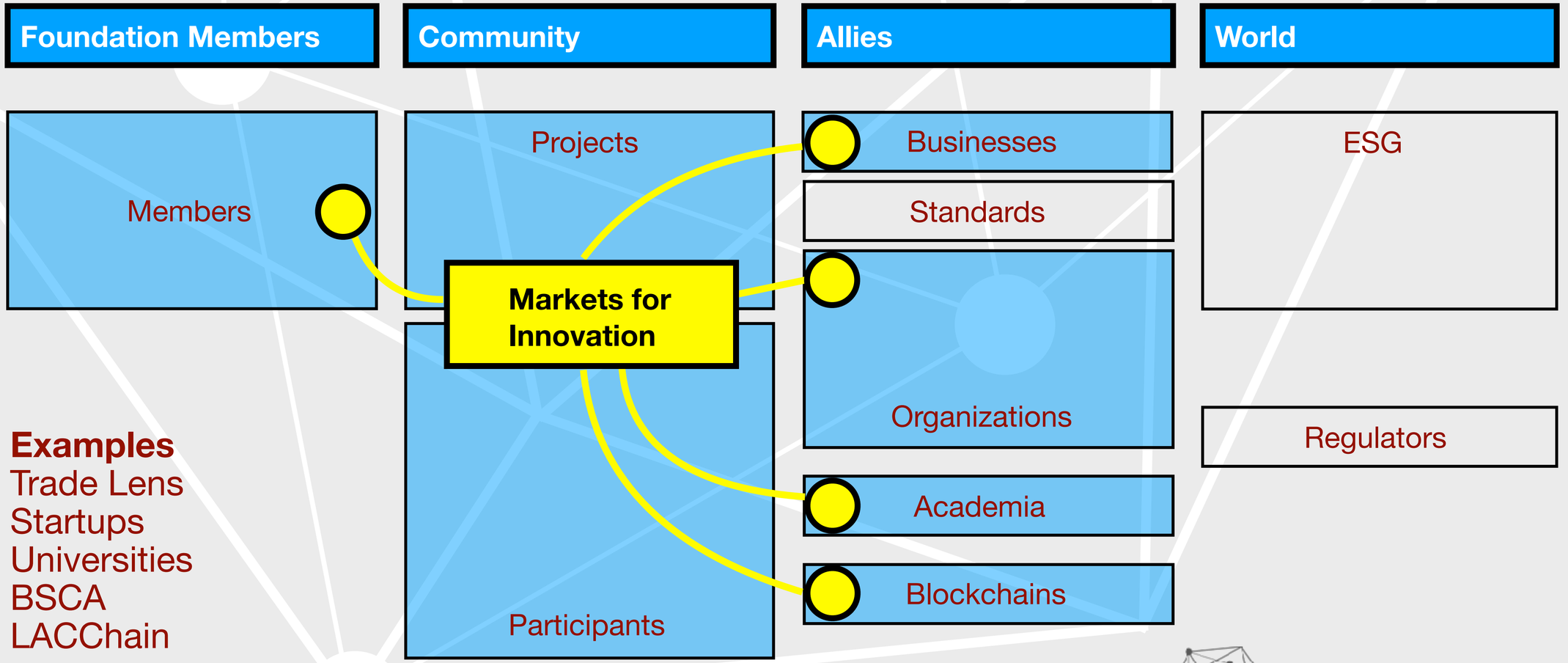
Problem Domain in a Regional Context



Examples
Trade Lens
Startups
Universities
BSCA
LACChain

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Marketplace for Innovation

We have the pieces to assemble Marketplaces for Innovation.

Places to change mindsets and open up new paradigms, understanding the potential of this technology,

to educate and teach new skills,

to discover new business models and develop new applications,

to expand markets of opportunities, increase capacity and strengthen institutional development,

to network and connect people and organizations.

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Next Steps

February 2023
Event on Latin American Opportunities for Supply Chain and Trade Finance.

March 2023
Regional Mapping Initiative of Use Cases: Platforms and Startups.

April to July 2023
Supply Chain and Trade Finance Marketplace for Innovation

- Courses,
- Workshop,
- Challenge,
- Networking

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