

# RIETI Blockchain Symposium

ネクスト・ブロックチェーン：次世代産業創成のエコシステム

**Next Blockchain: Creation of a new ecosystem for future industries**

## **ECONOMIES POWERED BY THE INTERNET OF BLOCKCHAINS**

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**(Founder and Chief Architect at LUKSO,  
Ethereum Developer and Author of ERC 20)**

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主催：独立行政法人経済産業研究所（RIETI）  
Research Institute of Economy, Trade and Industry (RIETI)

LUKSO

# ECONOMIES POWERED BY THE INTERNET OF BLOCKCHAINS

The future of the multi-chain world



# FABIAN VOGELSTELLER

Former Ethereum Developer, Founder of LUKSO



Ethereum Wallet



Mist Browser



web3.js

} 15M+ Downloads  
Most used Ethereum  
Developer Library



ERC-20: Token Standard



ERC-725: On-chain Accounts





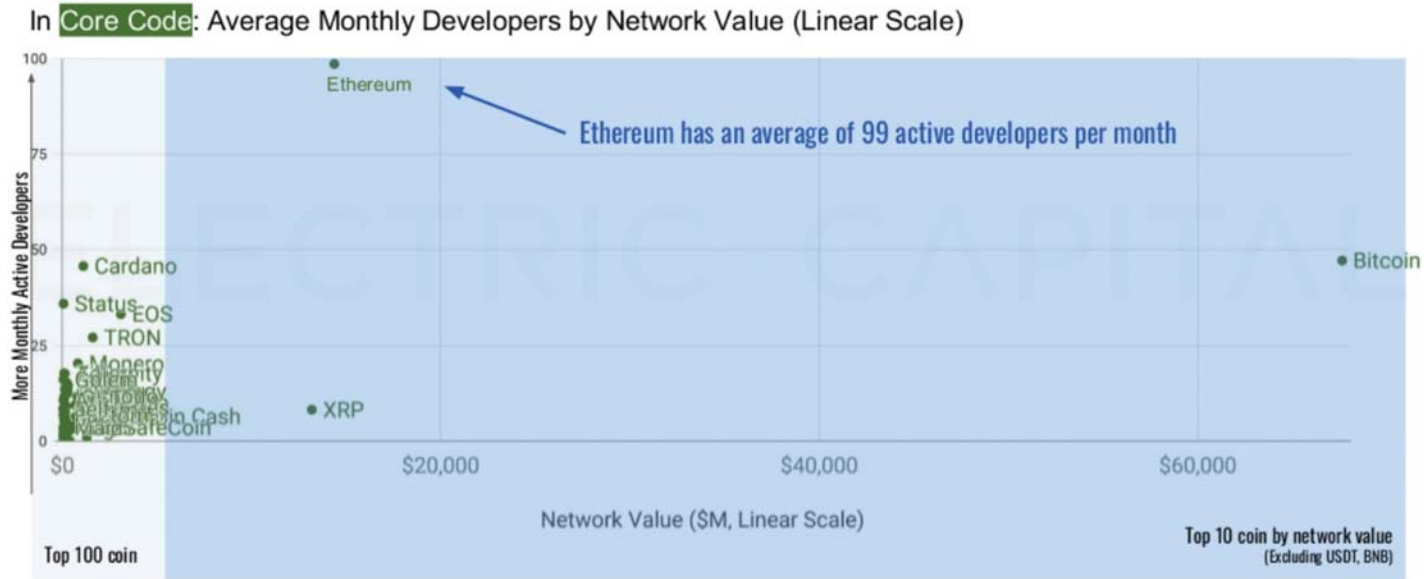
ethereum



~86% of all  
Blockchain  
development

ethereum

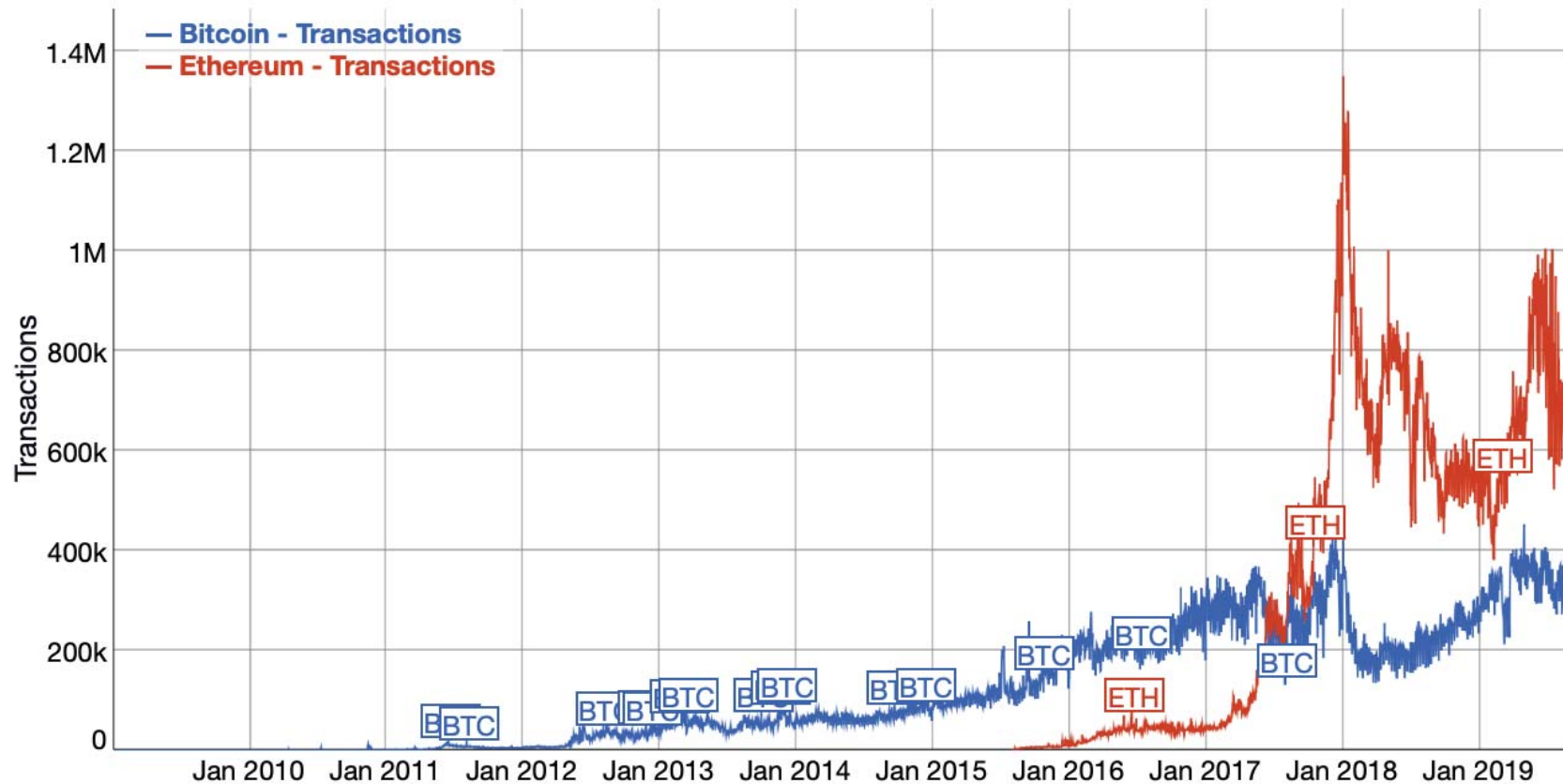
# Active monthly developers across the Blockchain ecosystem.



ELECTRIC<sup>4</sup> CAPITAL Dev Report

N = 78 projects | Dates: 1/31/2018 - 1/31/2019 | Electric Capital Internal Data | Excluding closed code repositories

This also reflects in the number of transactions.





# One Network to Rule them all!

~~One Network to Rule them all!~~

At least not any time soon...

# One Protocol to Rule them all!

Thats more likely...

# Ethereum Virtual Machine (EVM) / eWASM



**LUKSO**



**#Fashion  
#Lifestyle**



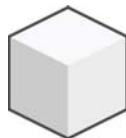
**energy web**  
FOUNDATION



**#EnergyTrading  
#Renewables  
#GridInfrastructure**



ethereum



**#DeFi  
#DAOs  
#DApps  
#Decentralization**



**ARTIS**



**#Sustainability**



ocean



**#DataMarketplaces  
#DataCalculations  
#DataGeneration**

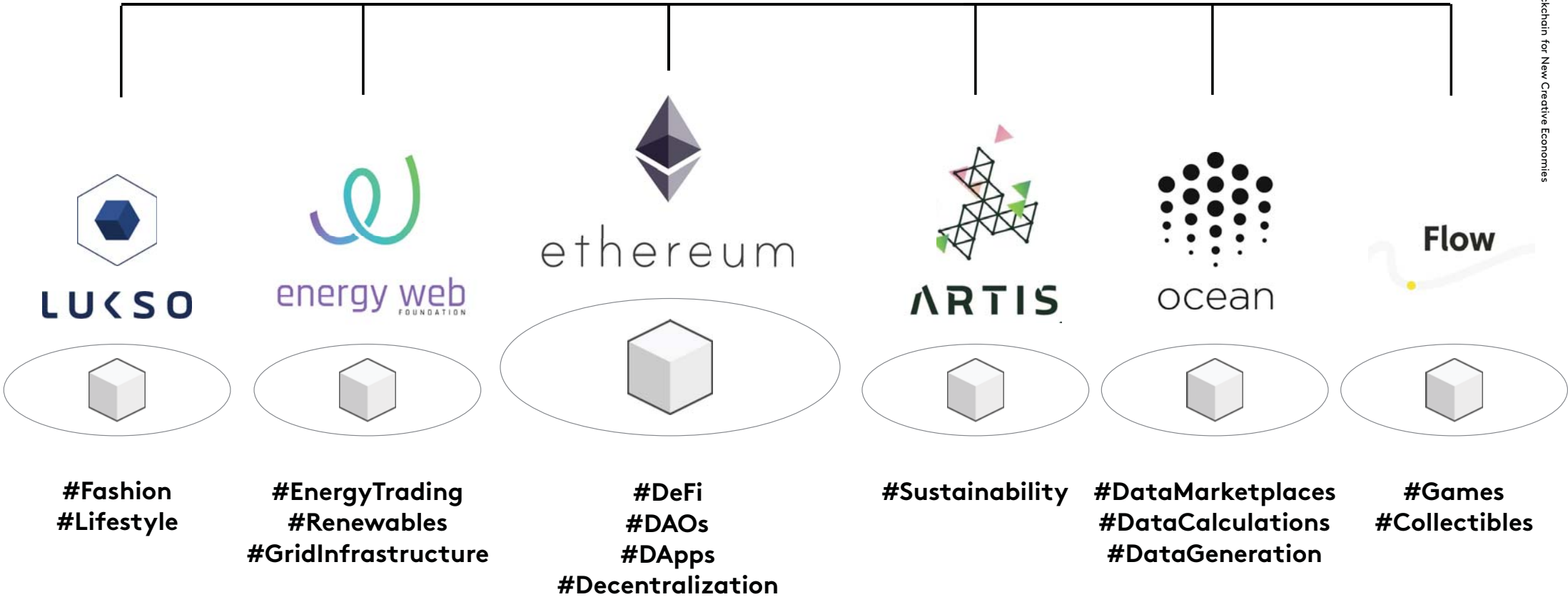


**Flow**



**#Games  
#Collectibles**

# Polkadot.



# Scalability

By utilising a common infrastructure that is inviting for a subset of businesses and use cases of a particular industry or community, we can have longer lasting resources.  
Future solutions will let most blockchains scale to thousands of transaction per second.  
but millions of transactions per second will take time!

## Evolution of the average block gas usage



Source: etherchain.org

Click and drag in the plot area to zoom in

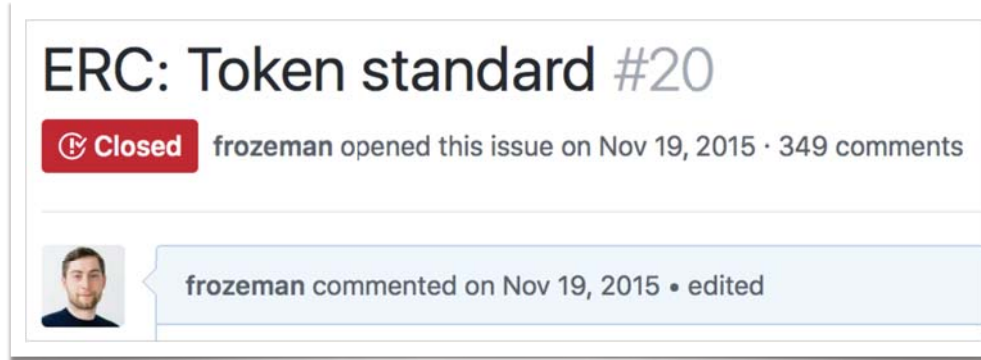


Highcharts.com



# Community / Synergies / Standards

Same user base, similar interests, coming protocols and standards help faster adoption and unite around a common infrastructure.

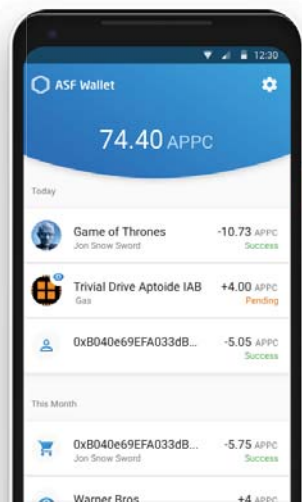
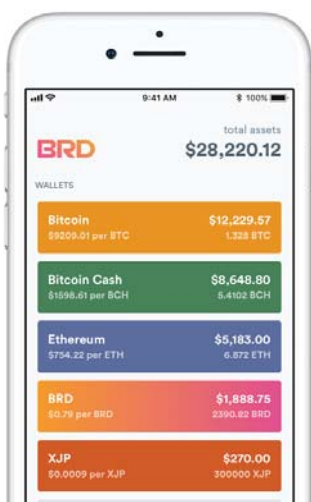













































`totalSupply()`

`balanceOf(address owner)`

`transfer(address to, uint256 value)`

...

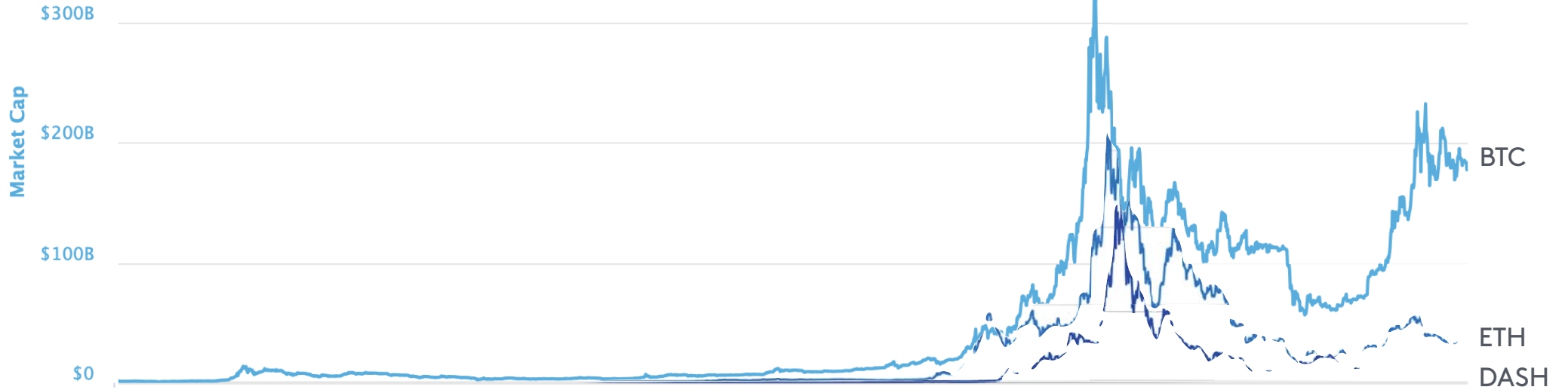


	KexCoin (KEX)		8,500,000 KEX	10,000,000 KEX	BTC	2017-10-15
	Ethbet (EBET)	   	8,000,000 EBET	10,000,000 EBET	ETH	2017-10-15
	StartMining (STMG)	   #				2017-10-14
	Ambrosus	   f#				2017-10-13
	Cindicator (CND)	   f#	hard max cap = \$15M		BTC, LTC, ETH, ETC	2017-10-12
	TIES.NETWORK	   f#	140,000,000 TIES	200,000,000 TIES	BTC, ETH	2017-10-12
	DomRaider (DRT)	   f	350 000 000 DRT	1 000 000 000 DRT	BTC, ETH, Fiat currencies	2017-10-11
	BITINDIA	   #	1,000,000,000 INR		BTC, ETH, XRP	2017-10-11
	[Pre] Mingo (MGT)	   f#	8,000,000	8,000,000	ETH	2017-10-09
	Crystal Clear Services (CCT)	   #		10,000,000 CCT	ETH	2017-10-08
	BeOne	   f#	9,000,000 tokens	10,000,000 tokens	BTC, ETH, LTC, DASH, WAVES	2017-10-07

# Value Increase

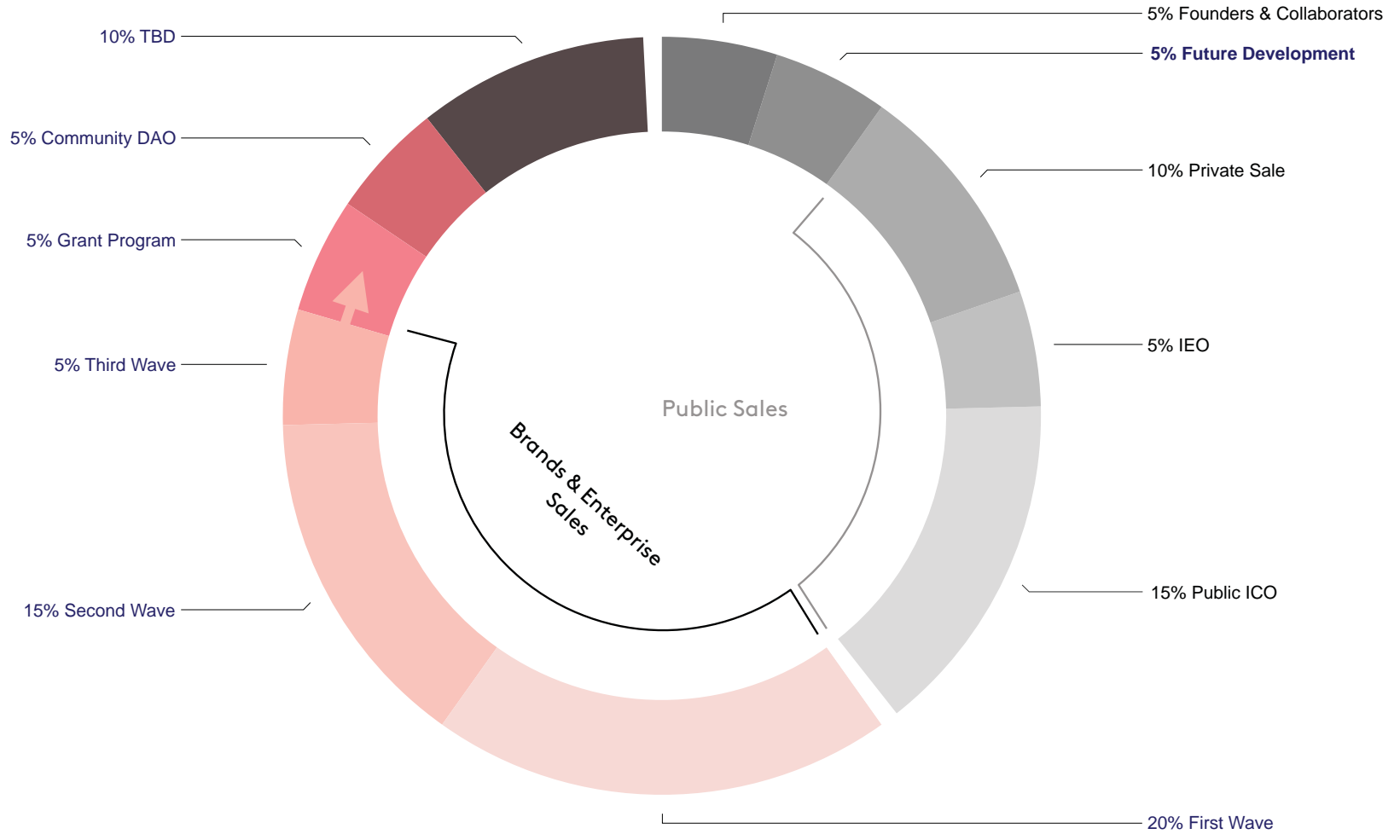
Every decentralized ecosystem needs a Coin to secure itself.  
This also functions as the base value of the Blockchain ecosystem,  
which can increase over time.

# Market evolution of Ethereum, Bitcoin and DASH



# Ecosystem Incentivization

Starting a Blockchain from scratch is hard.  
Being able to distribute incentives, fund protocols and generic tools is crucial for it to grow.





ありがとうございました