

# Hvað er Blockchain?

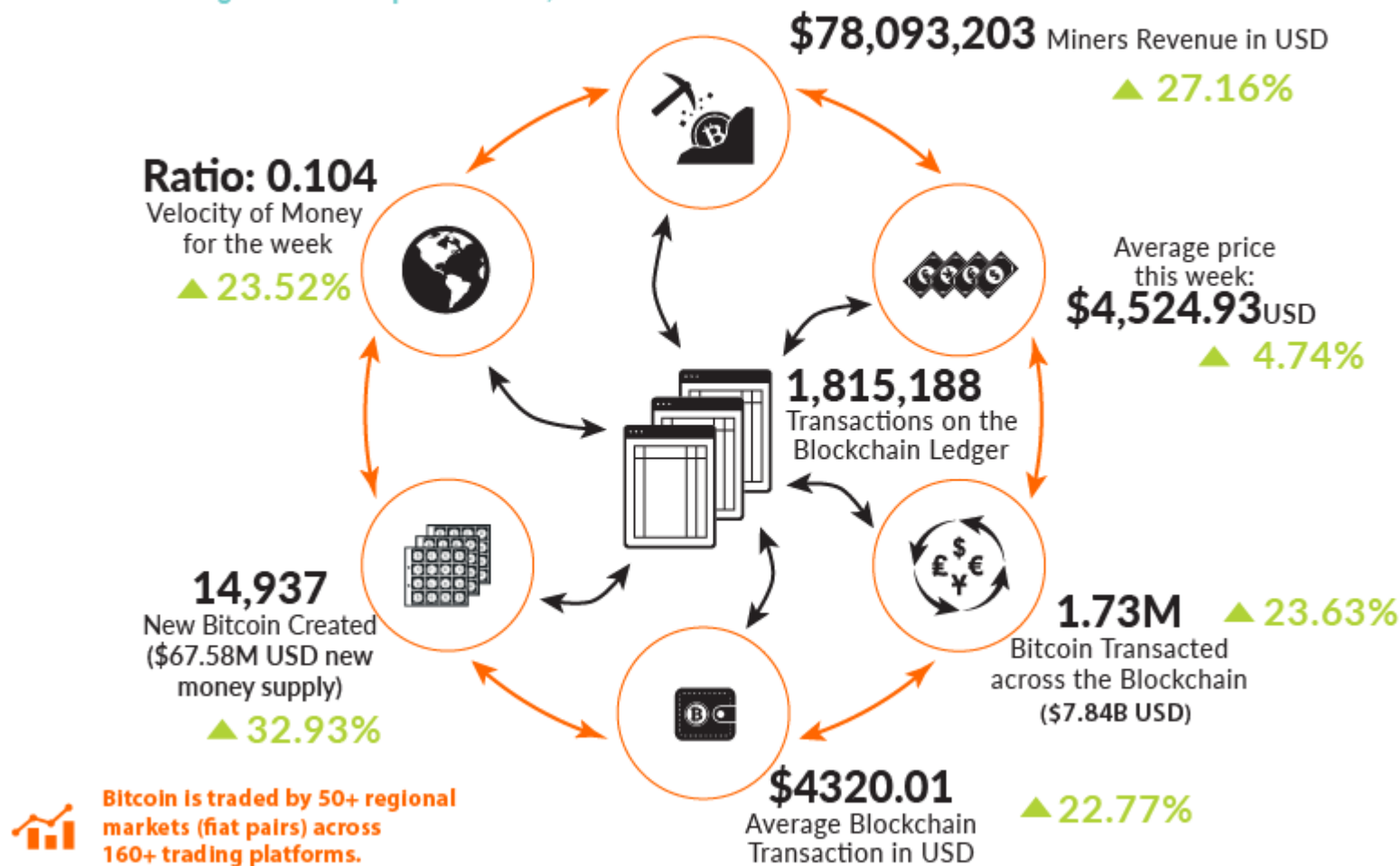
Kristinn S. Kristinsson  
27. september 2017





# Weekly Bitcoin & Blockchain Statistics

The week of: **August 30th - September 6th, 2017**



Deutsche Bundesbank

[+ Add to myFT](#)

# German central bank completes move of €24bn worth of gold

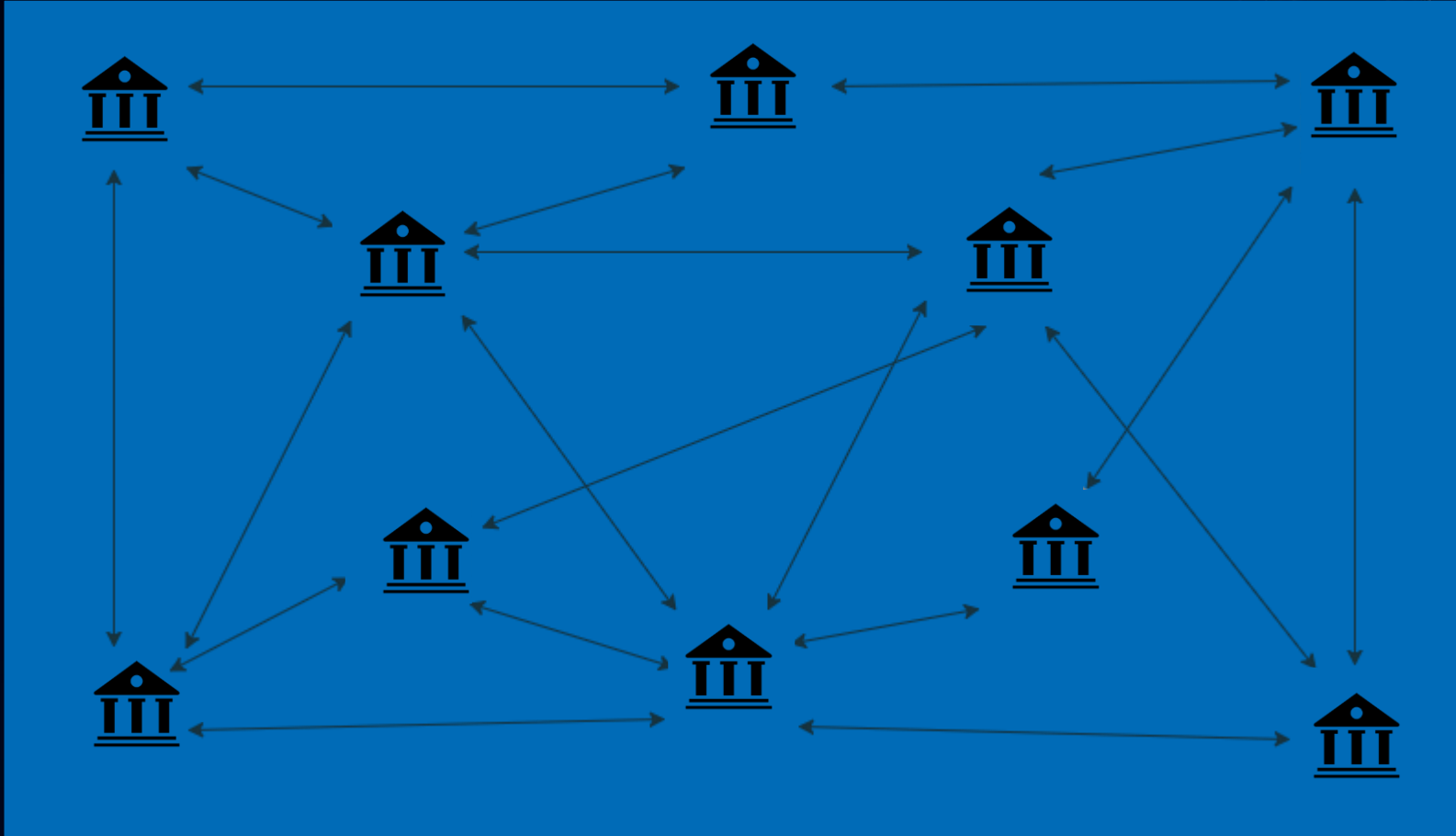
AUGUST 23, 2017 by **Claire Jones**

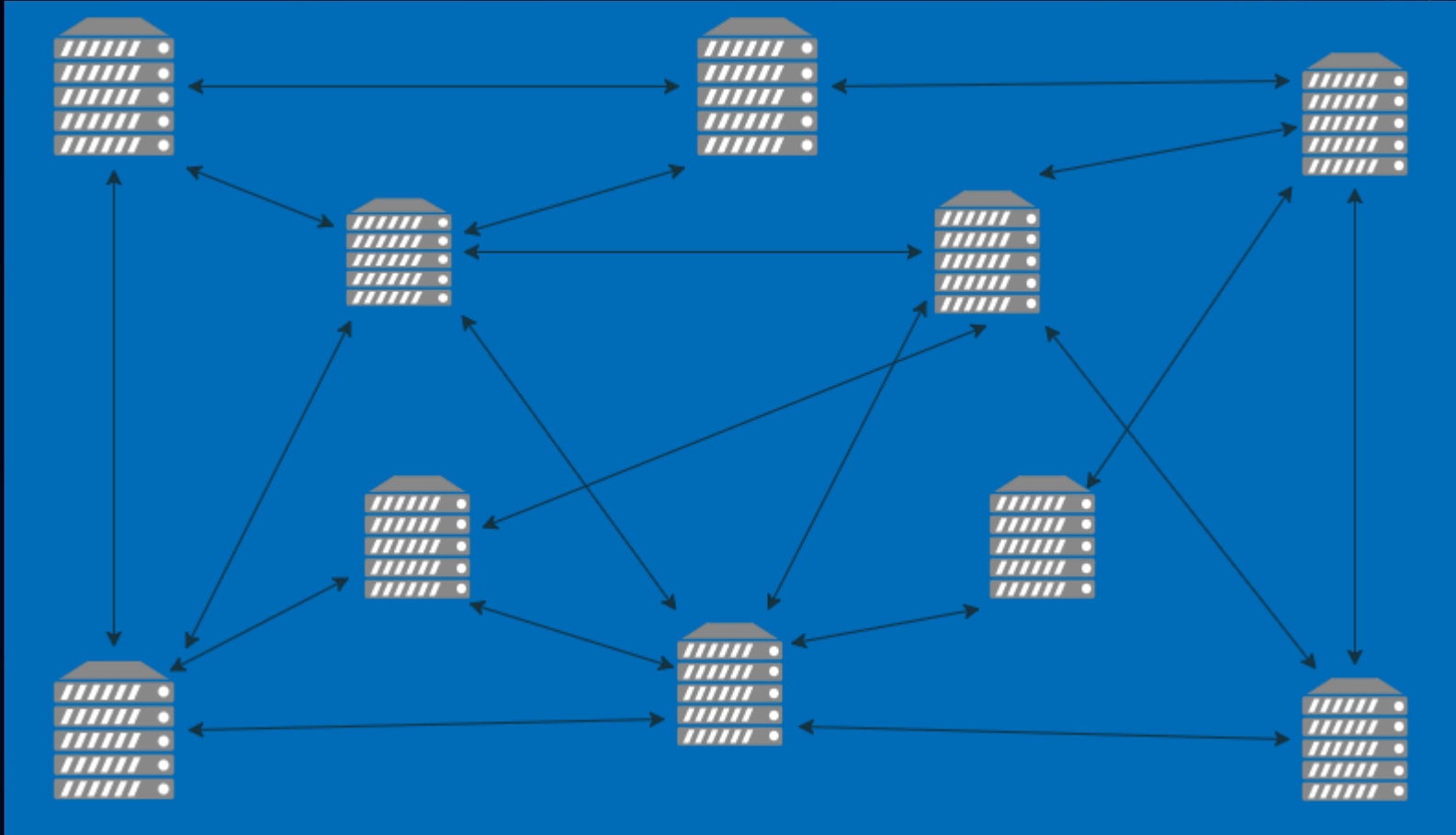
Germany's central bank has completed its plan to shift 54,000 gold bars from vaults in New York and Paris to beneath its Frankfurt headquarters without a major glitch.

The Bundesbank, one of the biggest holders of gold in the world, moved 674 tonnes from the vaults of the Federal Reserve Bank of New York and Banque de France, the French central bank, over the past four years in one of the biggest operations of its type. Each of the 53,780 bars weighs 12.5kg and is worth €440,000. In total, the haul is worth €23.7bn.





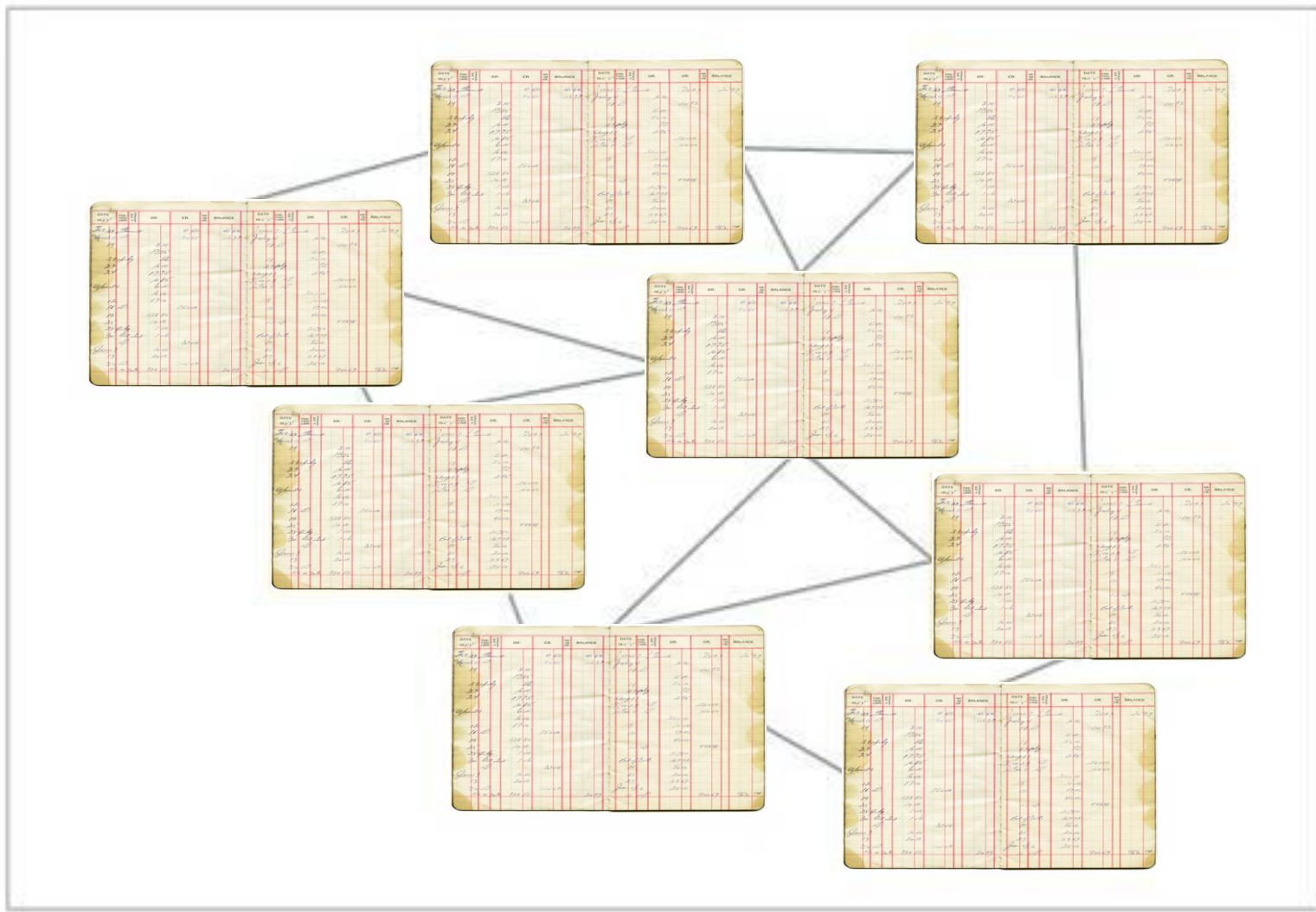


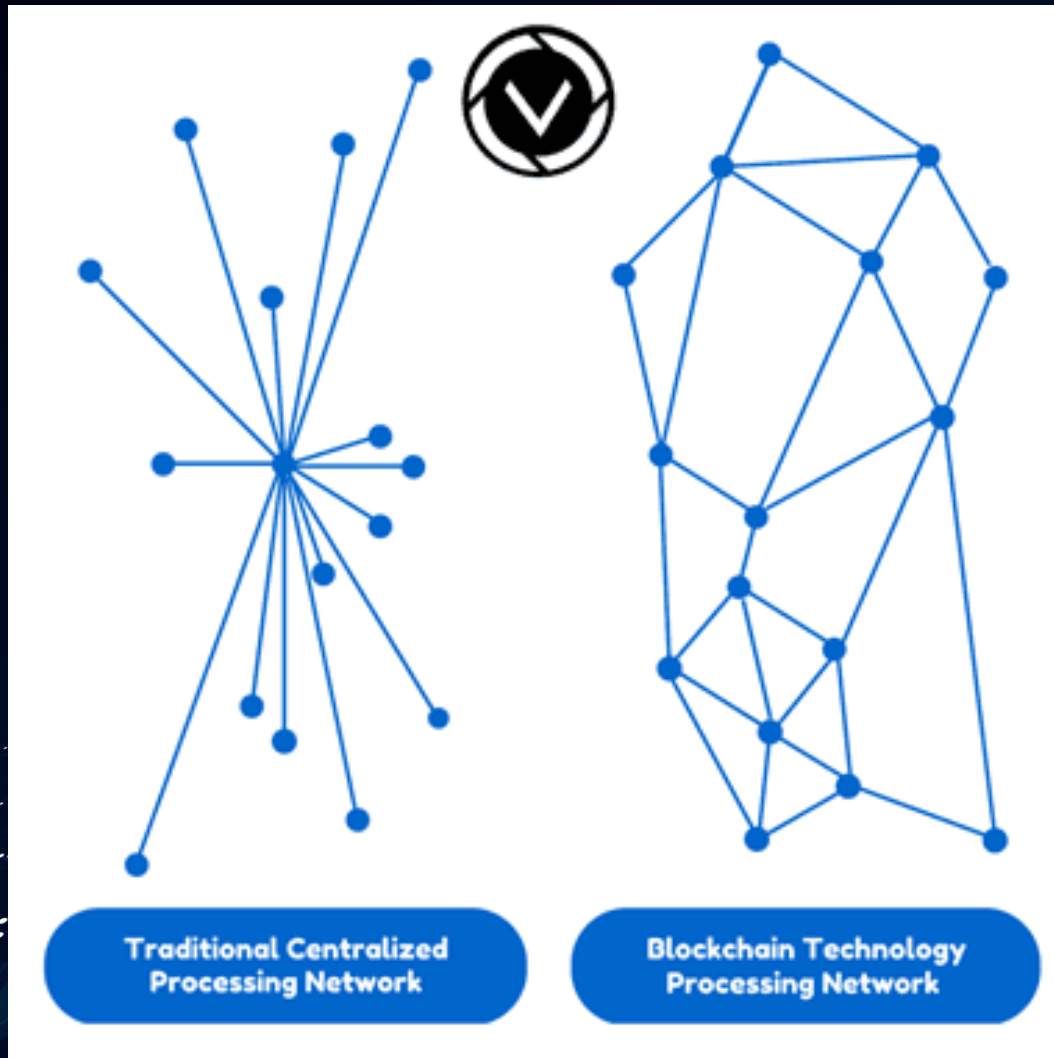




DATE 1955	PAR- TICU- LARS	L. K'S INITIALS	DR.	CR.	DR. OR CR.	BALANCE	DATE 1955	PAR- TICU- LARS	L. K'S INITIALS	DR.	CR.	DR. OR CR.	BALANCE
Feb 23	Trans			41 52		41 52	June 30	Trans			20 97		20 97
March 17	D			74 85		116 37	July 4			10 00			
19			5 00				12 D				101 92		
			132 5							5 00			
23 of July			56				18			50 00			
23			10 00				27 July			72			
24			17 75				Aug 29			29 5			
			10 85				Nov 29	D			25 00		
April 1			6 00				Dec 5	D			100 00		
			10 00							250 00			
12			17 00				8			10 00			
18 D				150 00			12			17 00			
19			128 80							45 00			
25			10 00				14 D				496 98		
28 July			1 00							217 80			
30 Oct. Sur.			106				Bal of Note			167 71			
				32 00			21			50 00			
June 7			10 00				21			20 00			
13			20 00				27			23 67			
24 D				104 69			Jan 5/56			28 00			
9/6 on Note			120 82			20 97	10 D				946 69		965. 99



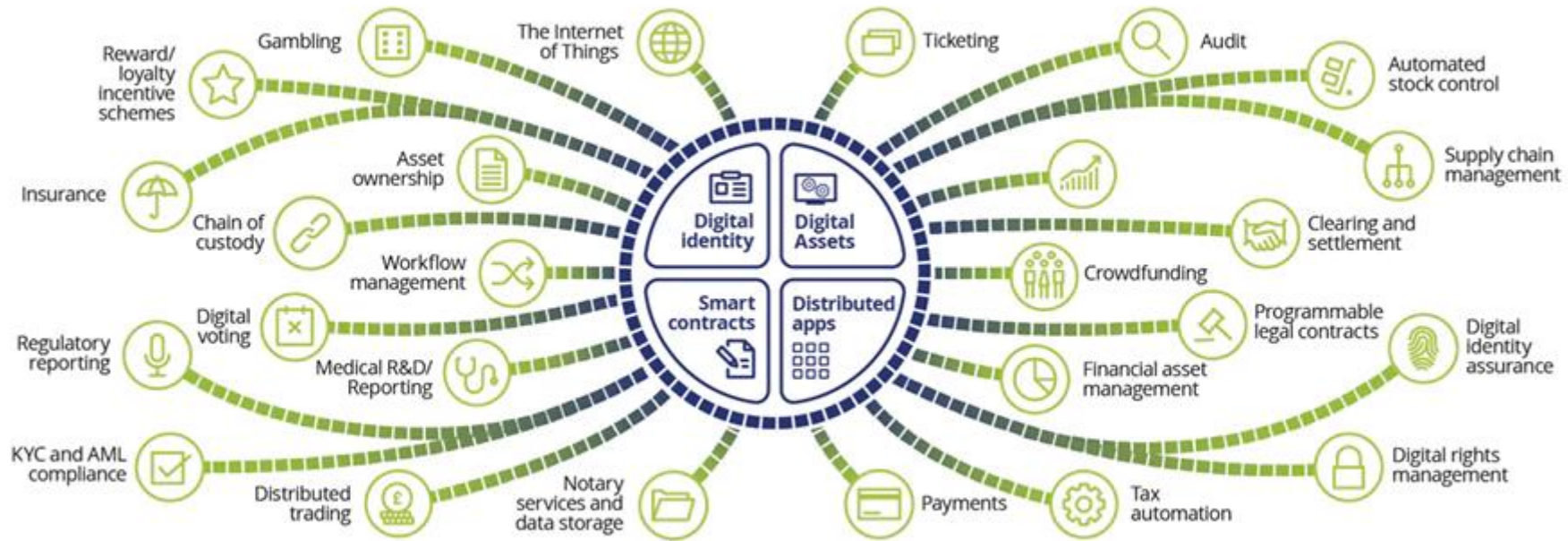






# What can you do with a blockchain?

KYC – Know Your Customer  
AML – Anti-Money Laundering



**Deloitte.**

[www.deloitte.co.uk/blockchain](http://www.deloitte.co.uk/blockchain)

## □ Eignir

- Hús
- Bílar
  - Kaup
  - Sala
  - Tjón
  - Viðgerðir
  - Ábyrgðir
- Listmunir
- Skartgripir

## □ Samningar

- Kaup
- Sölur
- Farmbréf
- Erfðaskrá

## □ Persónupplýsingar

- Heilsufar
- KYC

## □ Skattaskýrslur

## □ Tjónasaga

## □ Vöruflutningar

## □ Auðkenni





**“Blockchain will do for transactions what the internet did for information .”**

**Ginni Rometty**  
IBM CEO

**IBM** Sibos 2016



# 2015

## Exploration & Investment

- Initial capability & use case assessments
- Early adoption likely for internal reconciliation

### 2016-2017

#### Early Adoption

- Leading-edge banks see the value of blockchain and begin deployments for asset classes that are bilaterally traded and/or have no central clearing authority
- Regulatory certainty drives adoption for external uses
- Regulatory authorities realize the benefits of blockchain for auditing and compliance, and rule-making begins

### 2018-2024

#### Growth

- Banks begin to see the benefits accorded to early adopters and – combined with regulatory guidance and certainty – the network effect takes hold
- New service providers and models emerge
- Deployments go viral across numerous asset classes
- New products and services are created; incumbent processes and services are discarded

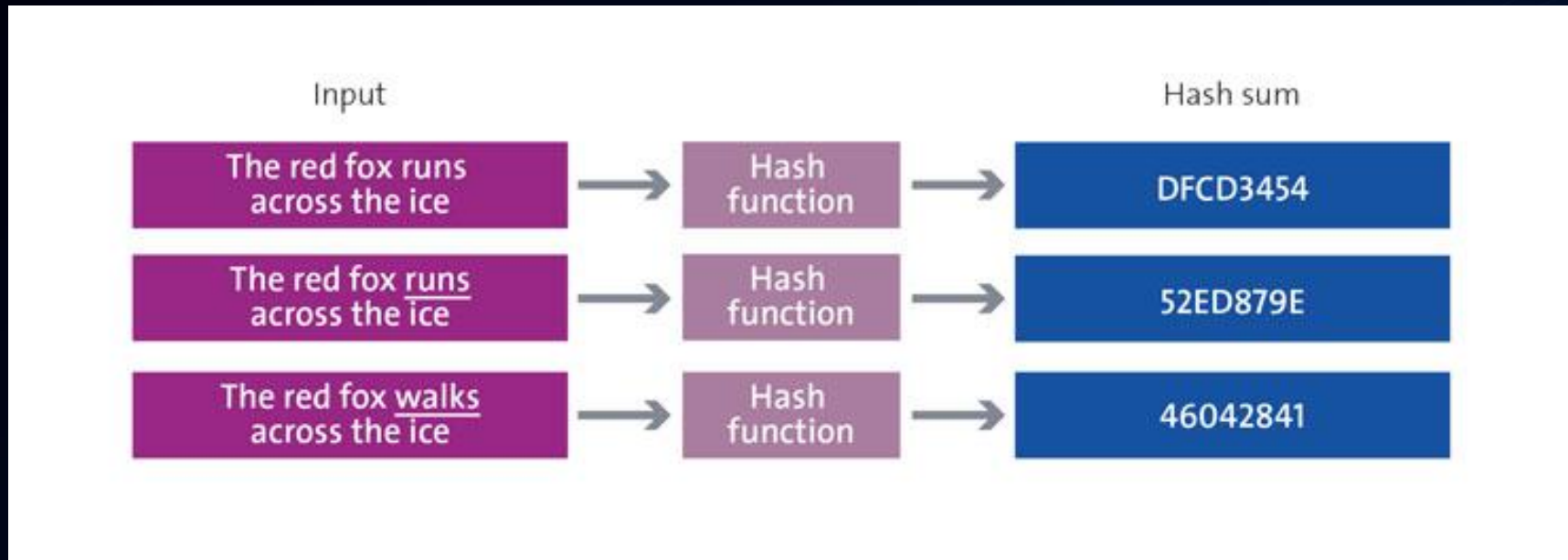
### 2025

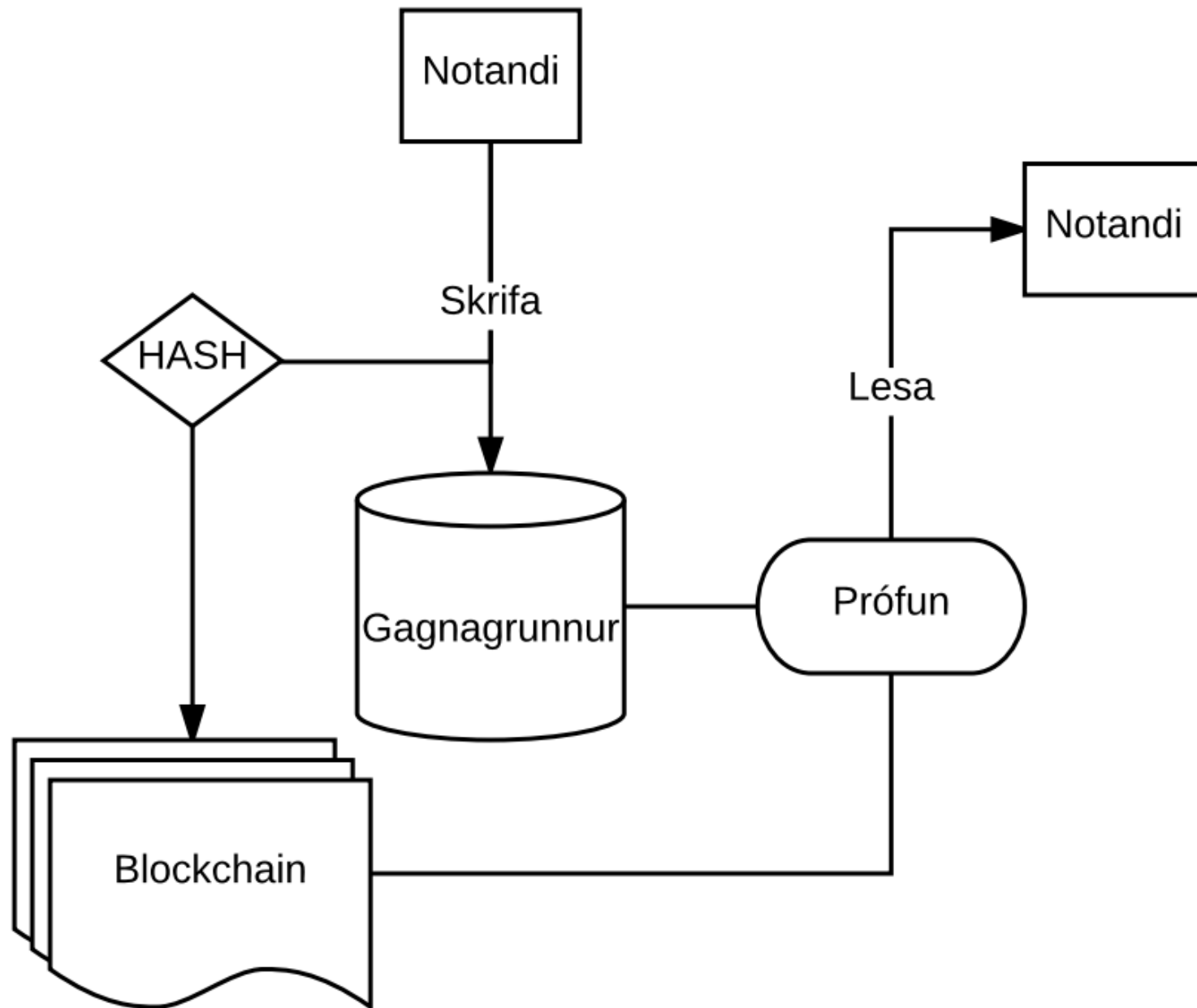
#### Maturity

- Blockchain adoption is considered mainstream and integral to the capital markets ecosystem

Source: Accenture Research



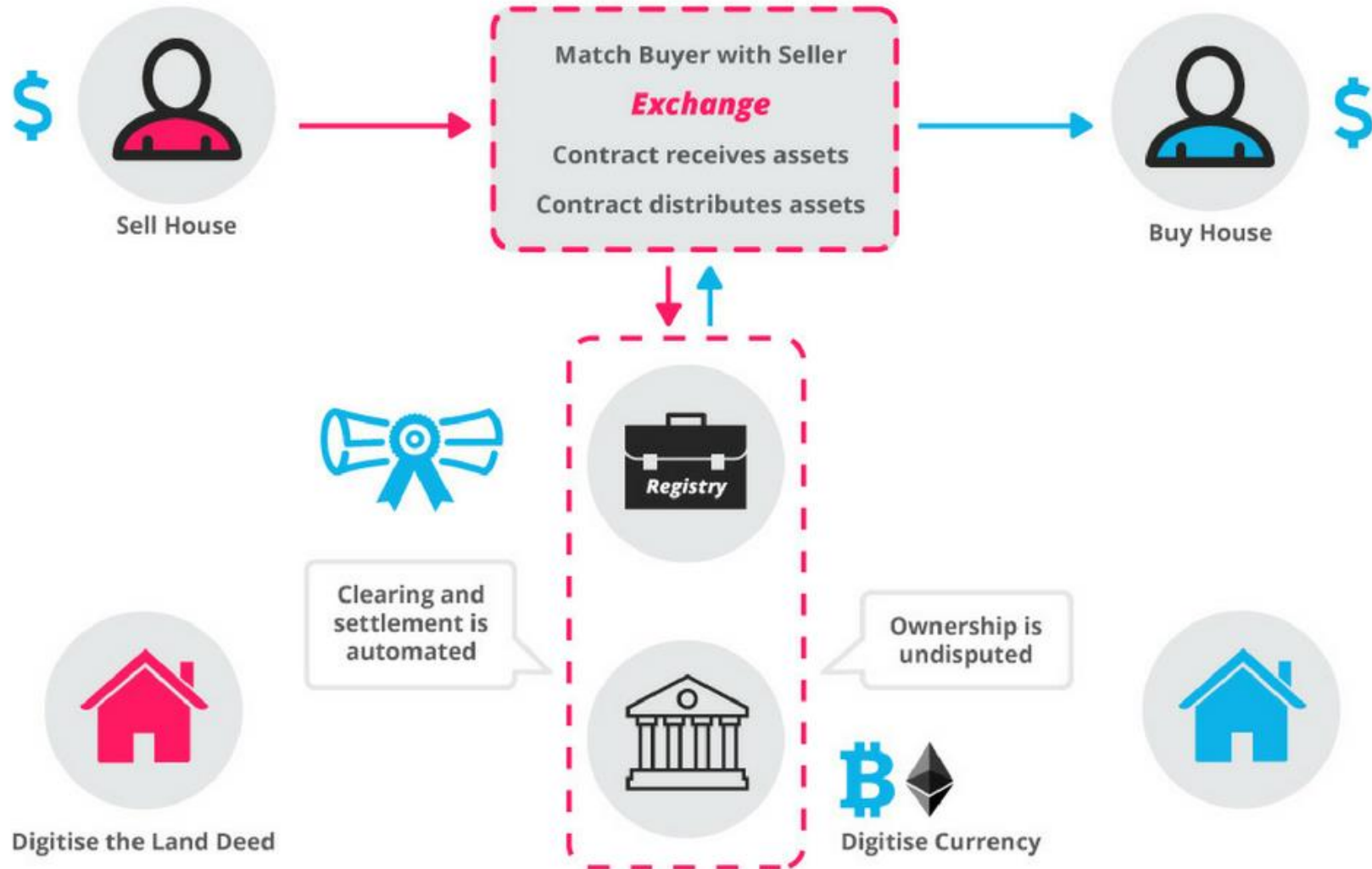








# How Smart Contracts Works



# Autonomy

You're the one making the agreement; there's no need to rely on a broker or lawyer

1



2

# Trust

Your documents are encrypted on a shared ledger

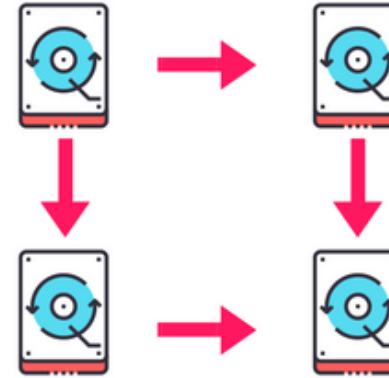




## Backup

On the blockchain, Your documents are duplicated many times over

3



4

## Savings

Smart contracts save you money since they knock out the presence of an intermediary

## Accuracy

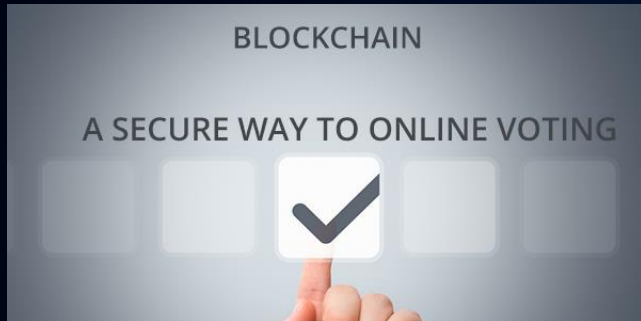
Smart contracts are not only faster and cheaper but also avoid the errors that come from manually filling out heaps of forms.

5

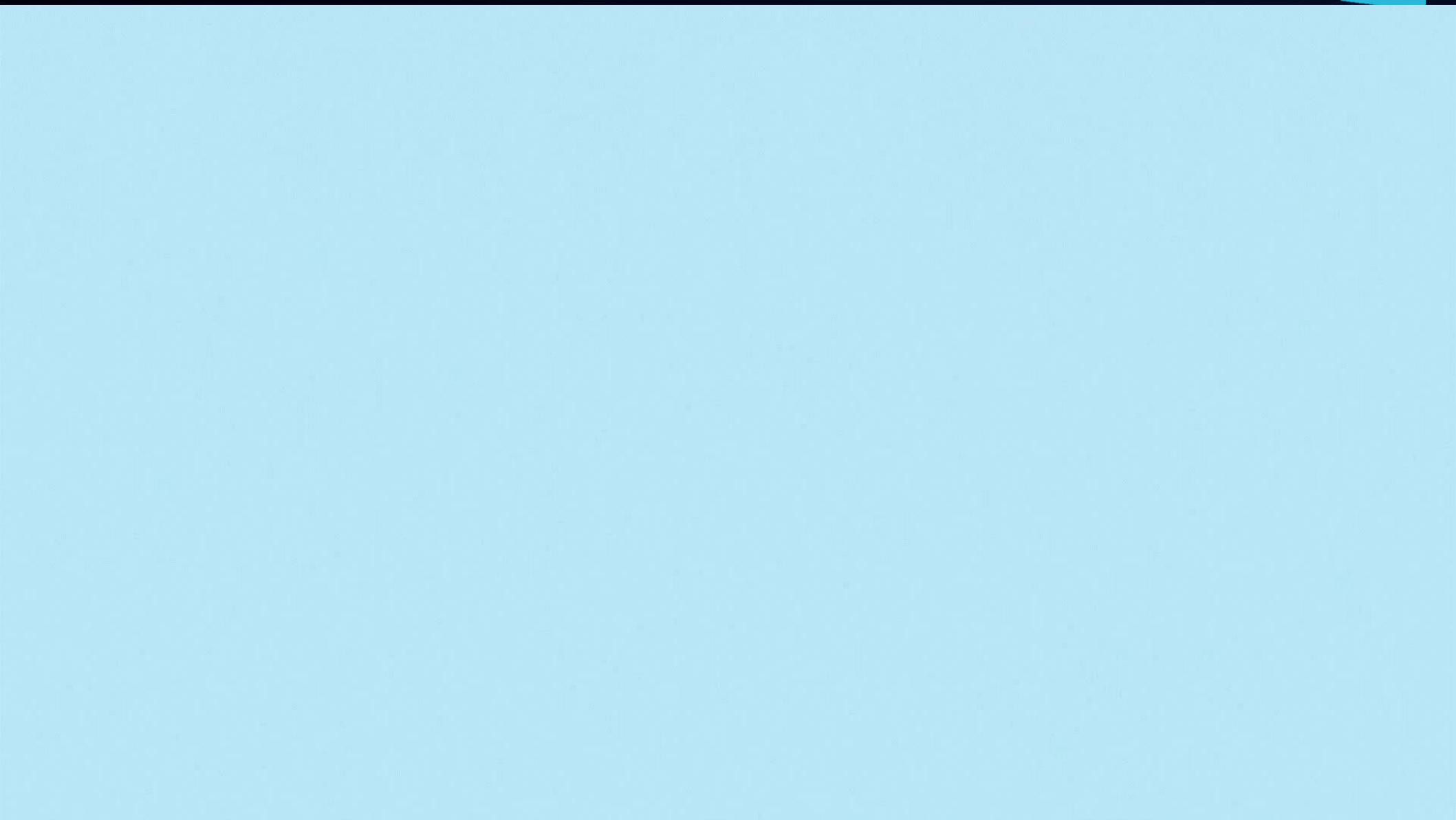


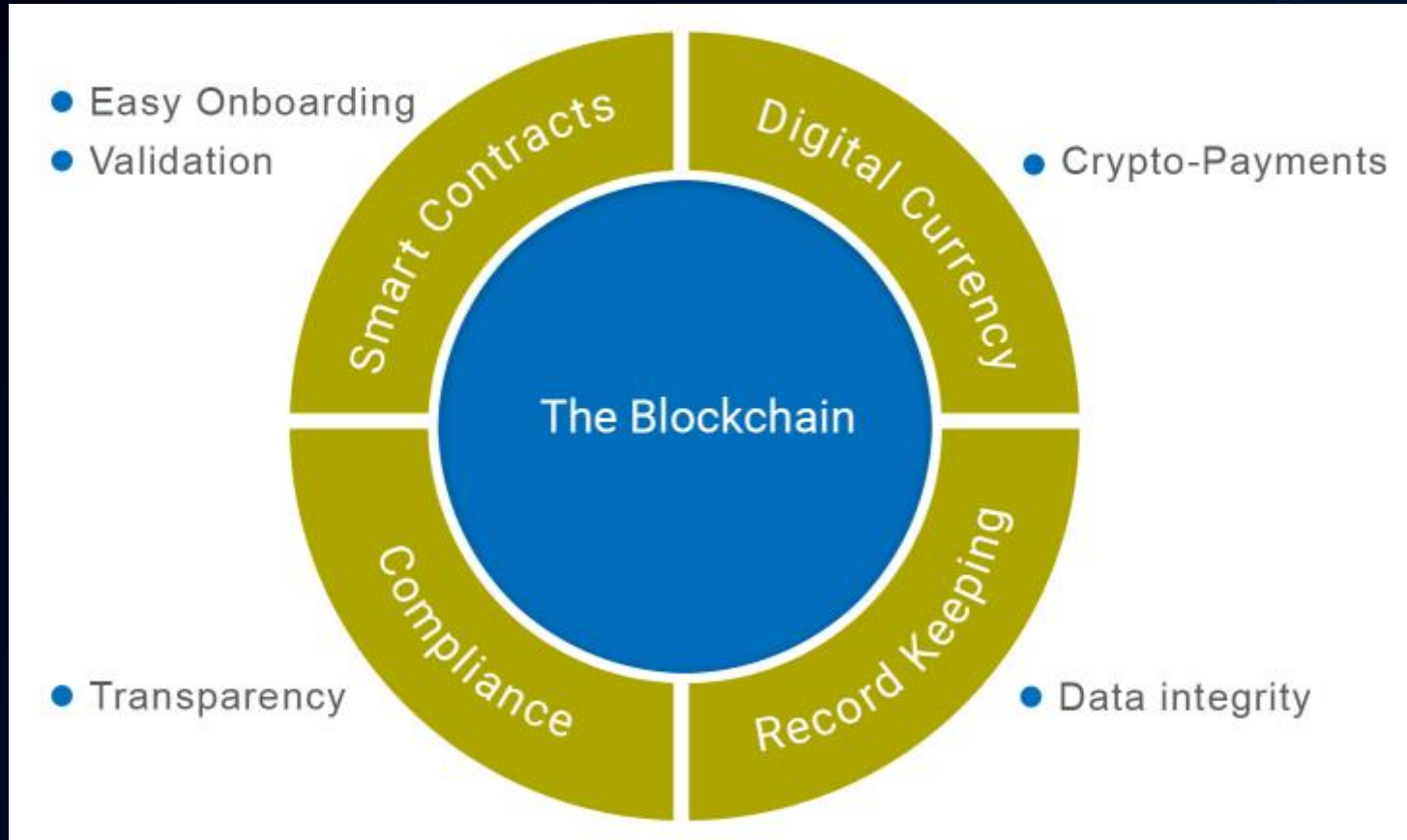
[www.Blockgeeks.com](http://www.Blockgeeks.com)











# Takk fyrir!

kristinnk@nyherji.is