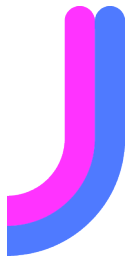
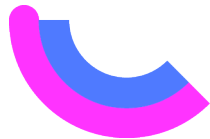




Blockchain

Een uitwerking van nieuw denken

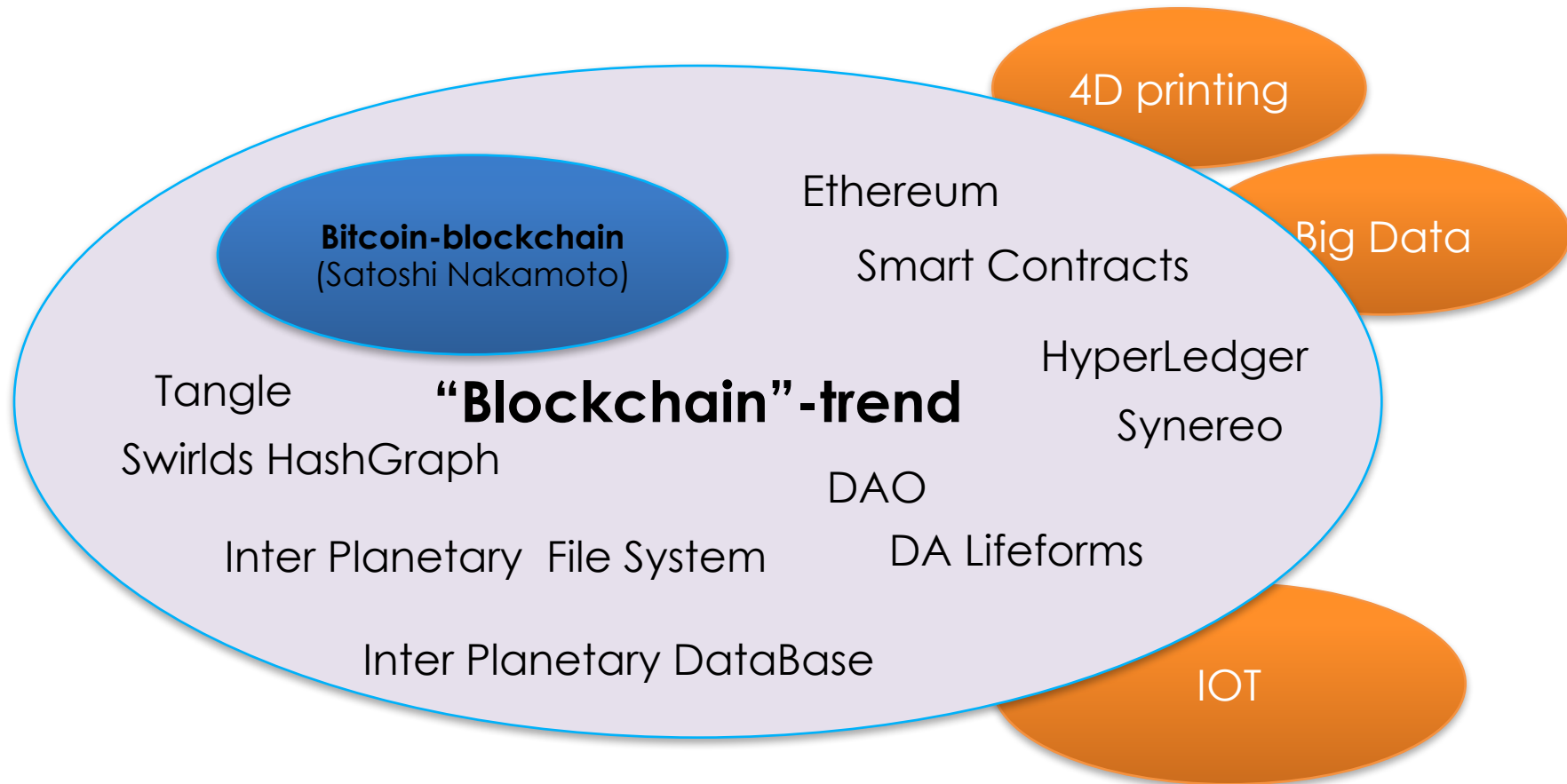


Wat is blockchain?

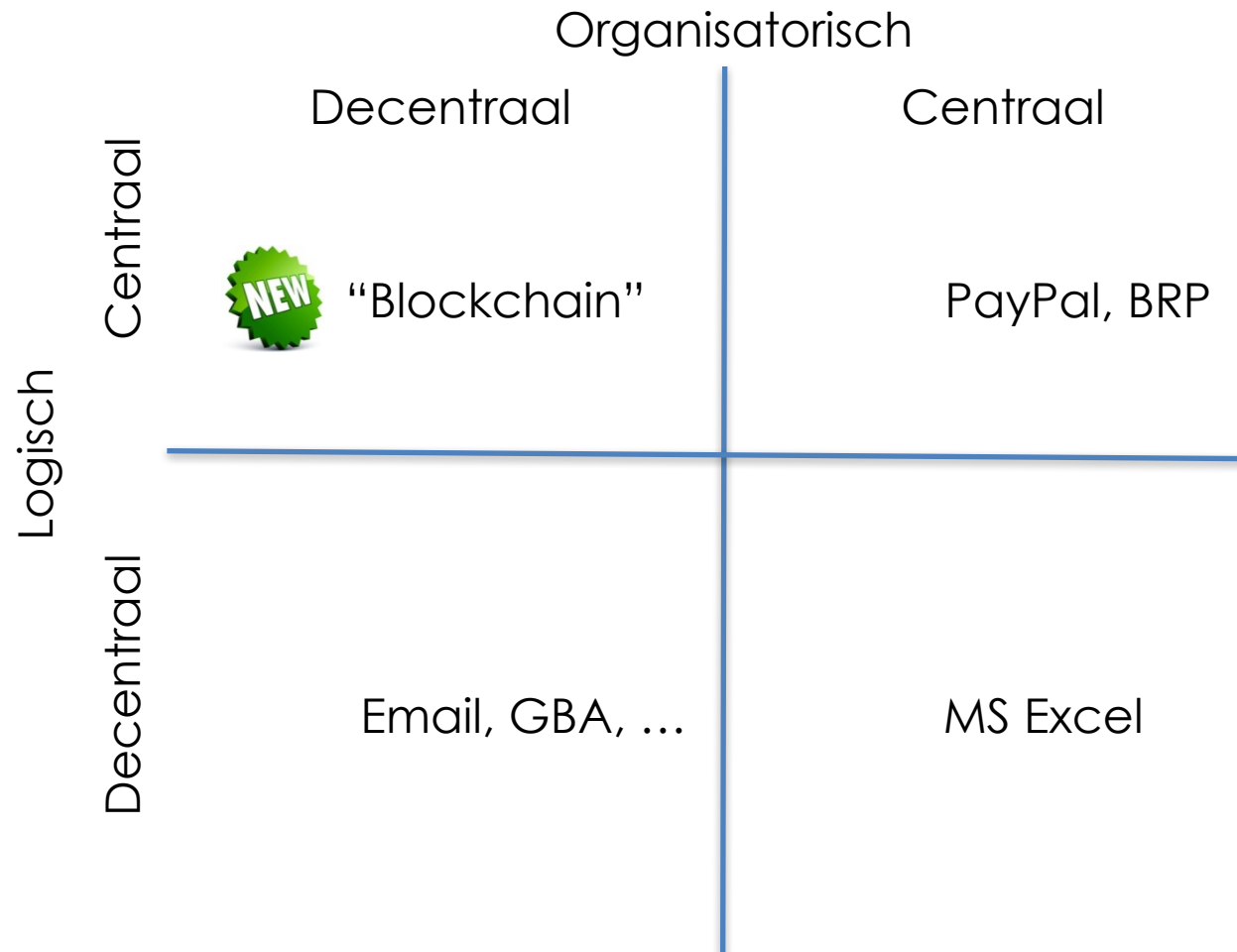
Feitelijk een database technologie:

- transacties worden geautomatiseerd in een log geregistreerd
- dit log kan na deze registratie niet meer worden aangepast
- de registratie gebeurt niet in een centraal systeem, maar verspreid over vele computers van verschillende eigenaren en / of beheerders

Blockchain is een breed begrip



Distributed Autonomous Technology



<http://continuations.com/post/105272022635/bitcoin-clarifying-the-foundational-innovation-of>

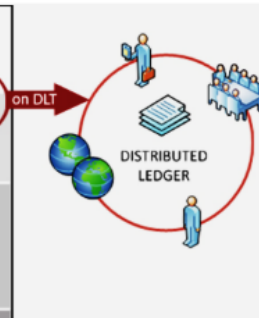
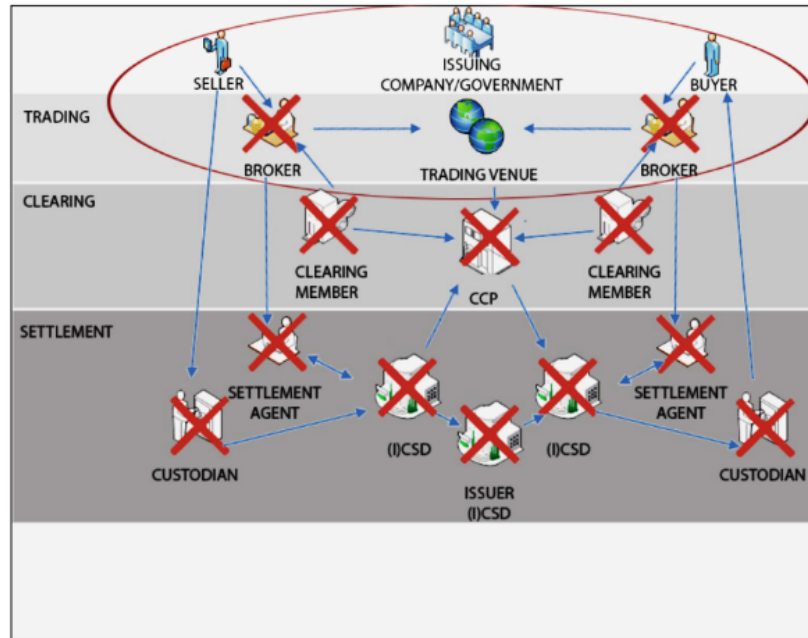
We ain't seen nothing yet...



Source: Gartner (July 2016)

Gartner, Deloitte, Forrester, Morgan Stanley, ... : 5 tot 10 jaar: **nu beginnen!**

ECB



<https://www.ecb.europa.eu/pub/pdf/scpops/ecbop172.en.pdf>

Network Economies of Abundance

A transformational philosophy of economics

Traditional Economies

Network Economies

Network Economies of Abundance

*A post-economy liberation economics:
Self-determined economic participations*

1) Paradigms

	Traditional Economies	Network Economies of Abundance
<i>Organizing parameters:</i>	Scarcity, control	Abundance, access, availability, <i>yes-and</i> collaboration
<i>Measurement:</i>	GDP	Fulfillment (actualization, connection, purpose, meaning)
<i>Definition of Economics:</i>	Production and consumption	Discovery and exchange, interaction, acknowledgement, creation

2) Evolving Positions in Network Economies of Abundance

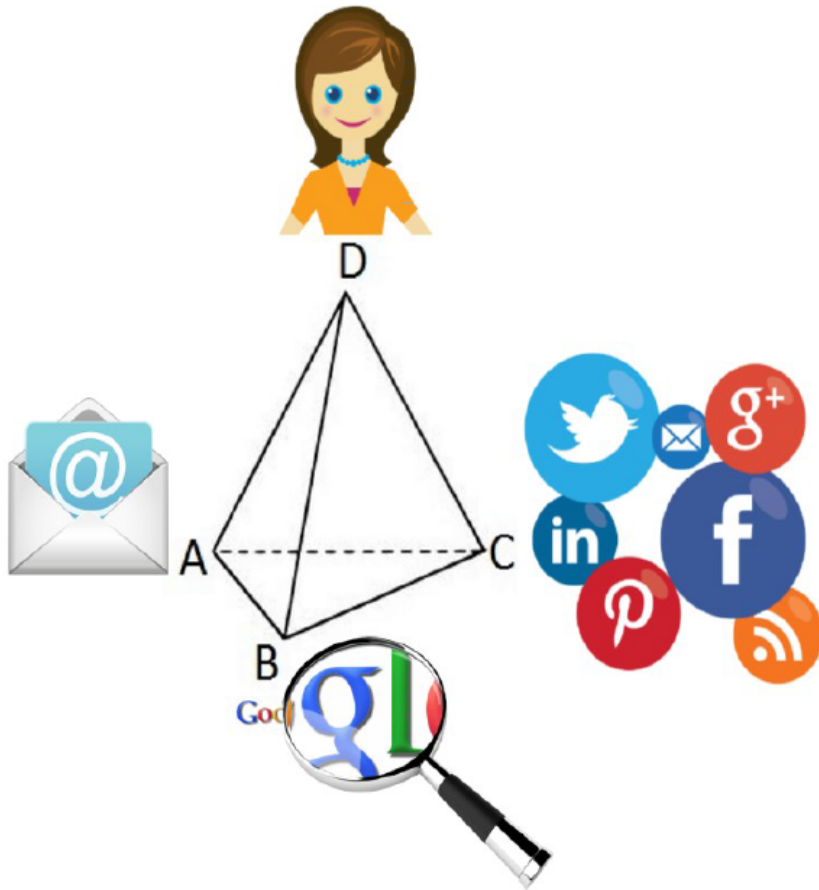
	Network economy	Resource grid economy	Crypto-economy	Needs-based economy
<i>Features:</i>	Information flows Access not ownership Interactable content Peer-produced commons goods Gift economy, Sharing economy (Uber, Airbnb), crowdsourcing, eLance, time banks, freemium, QS Multi-currency society: reputation, authority, attention, intention, time, ideas, creativity, health, presence, empathy	Ubiquitous on-demand resource grids (URGs): communications, logistics, energy, water, roads, convenience stores, delivery, digital goods (Etsy), transportation (Uber), fresh produce , micro-coaching (Piano++), social interaction (Meetup), dating/sex (Tinder), emotional support (empathy buddies), oxytocin flows (healing touch) Economic model plurality: hierarchical, decentralized, hybrid Automation economy Big data era (Hadoop, R)	Post-scarcity Basic Income Automation Emergent self-determined economies Community token Personal cryptocurrencies <i>Demurrage</i> programmable redistributable currencies Smart property, smart assets, smart contracts Dapps, DAOs, DACs, datt.co Smartnetwork consensus	All persons matter All needs matter Needs freely met through willingness Universal needs : connection, contribution, understanding, mattering Human-technology entity collaboration in blockchain-based smartnetwork cloudminds Capacity
<i>Trust based on:</i>	Identity	Reputation		
<i>Proponents:</i>	<ul style="list-style-type: none"> • Yochai Benkler • Don Tapscott • Elinor Ostrom 	<ul style="list-style-type: none"> • Kevin Kelly • Jeremy Rifkin • Paul Mason 	<ul style="list-style-type: none"> • Friedrich Hayek • Jacques Derrida • Rika Preiser 	<ul style="list-style-type: none"> • Miki Kashtan • John Kinyon • Gandhi/Buddha

Reference: Swan, M. (2015). *Blockchain: Blueprint for a New Economy*. O'Reilly Media. Chart revised: 091115

Blockchain is een antwoord op vele vragen.

- Privacy
 - Hoe blijft data onder controle van de echte eigenaar?
 - Hoe stoppen we met rondkopieren gegevens?
 - Klaar voor nieuwe GDPR wetgeving?
- Productivity
 - Hoe stoppen met dure datakoppelingen?
 - Hoe kunnen we efficiënter hosten?
 - Hoe eenvoudiger economische handelingen automatiseren?
- Power
 - Hoe kan men meer vertrouwen hebben in services?
 - Hoe kunnen we in vertrouwen collaboreren mbt Governance?

Self Sovereign Identity



A = Mail als default post naar het internet (*communicate*);

A+B = Zoeken als onze default portal op het internet (*algorithmic*);

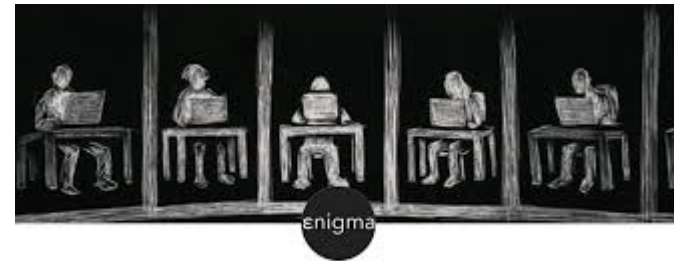
A+B+C = Social (media) als onze default *persona* op het internet (*network*);

A+B+C+D = Soevereiniteit als onze default privacy op het internet (*sovereignty*).

“The natural analytical geometry of the universe is based on arrays of tetrahedra” (Buckminster Fuller) ³⁰

30) <http://startupmanagement.org/2016/08/08/blockchain-security-is-multi-layered-here-are-the-6-most-important-levels/>

Het is nog net niet zover

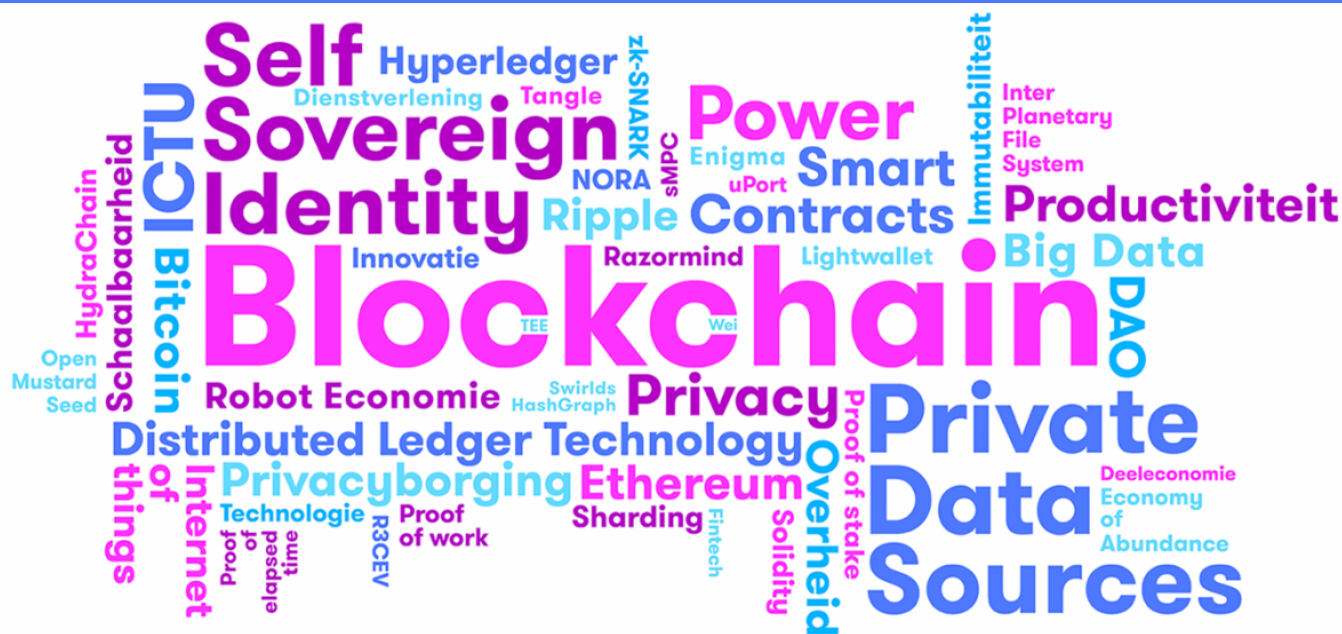


Enigma Project

Wat te doen als Gemeente?

Investeer in kleine kortdurende pilots zoals:

- **Vergunningenregistratie (Ethereum)**
- **Oplossingen zoals Stadlerpas (Bitcoin)**
- **Met ICTU meedenken over Overheid van de Toekomst**



Meer informatie?
 Download de whitepaper van
ictu.nl

Vragen?

Discussie

