



# Perspectives on blockchain

Bo Hembæk Svensson  
Concordium Business Development  
Member of EU Blockchain Observatory

Pedab  
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Something as profound as this is happening....  
It's virtualization.

Something  
NOVEL is  
coming

- 6 words that defines “Blockchain”
  - Decentralization
    - Peer-to-peer. Governance is the new black.
  - Transaction
    - The atom of processes
  - Contract
    - Encoded, enabling build-in execution
  - Trust
    - Trust-building, Trustless
  - Transfer
    - Tokenization of assets
  - Settlement
    - Payment and finalization. Digital Money - a New asset class
- Contemplate this, and a new world of computing emerges along with a totally new marketplace and - economy

# There is an emerging realization across the world that blockchain is here to **transform, change and challenge**

- ALL processes run on "**Trust, Transfer & Settlement**"
- TTS is the essence of "Contract" - that blockchain digitizes through providing:
  - Programmable, trusted digital **Identity** for people, organizations, things (Trust)
  - Programmable Supply Chain through tokenization of assets, goods and services (Transfer)
  - Programmable digital **Money** to lower friction and enhance payments (Settlement)
- It adds new capabilities to the Internet
  - The Internet of Sovereign Identity, Transactions and Value
- It is pushed forward by the mega-forces of:
  - **Decentralization** (fewer middlemen)
  - **Transparency** (better data)
  - **Effectivization** (less friction)

As simple as that.

# What is EU's general position on blockchain?

Mariya Gabriel, Commissioner for Digital Economy and Society:

- **“In the future, all public services will use blockchain technology”**
- **“I see blockchain as a game changer (..) We need to establish a Digital Single Market for blockchain so that all citizens can benefit.**
- **“.. a great opportunity to rethink information systems, to promote user trust and the protection of personal data, to help create new business opportunities”**



# What does the EU Parliament say?

Issued a resolution at October 3<sup>rd</sup> recommending to:

1. Establish “**innovation hubs**” to promote research, education and training
2. Incorporate cryptocurrencies into the **European payment systems**.
3. Develop **technical standards** for Distributed Ledger Technologies
4. Analyse **legal enforceability of smart contracts** among EU member States
5. **Decentralize the storage of EU citizens’ data**
6. **Track EU funding** to achieve greater accountability
7. Evaluate **blockchain-based voting** systems as a use case for the EU
8. **Observatory for the Monitoring of ICOs** and clarification of utility tokens and security tokens as unique asset classes
9. For any **regulations** on blockchain to **remove barriers** under principles of technology neutral and business-model neutral



# What are the specific initiatives?

- Blockchain Declaration for 24 countries, pledging to
  - "cooperate in the establishment of a **European Blockchain Services Infrastructure (EBSI)**"
- EU Parliament DLT/blockchain interest group
  - Growing bipartisan group of MEP's **pushing crypto-economy**
- EDCAB, IATBA
  - AMLD5, PSD2 etc.
- EU Blockchain Observatory
  - To **highlight** key developments of the blockchain technology, **promote** European actors and **reinforce** European **engagement**
- Overall EU funding amounts to +350 mill EUR in 2019 for **blockchain, AI, IOT** initiatives (through various programs)



EU BO is looking into some very important topics!

- Emergent Novelty
- EU MasterChain (ESBI)
- Governance, regulation and legislation
- GDPR, Identity and Verification
- Payment infrastructures, e-money, PSD2
- Frictionless e-commerce and retail environments
- “Blockchain On-boarding” of politicians’, civil servants and CEO’s



#EUBlockchain

# EU BLOCKCHAIN OBSERVATORY & FORUM

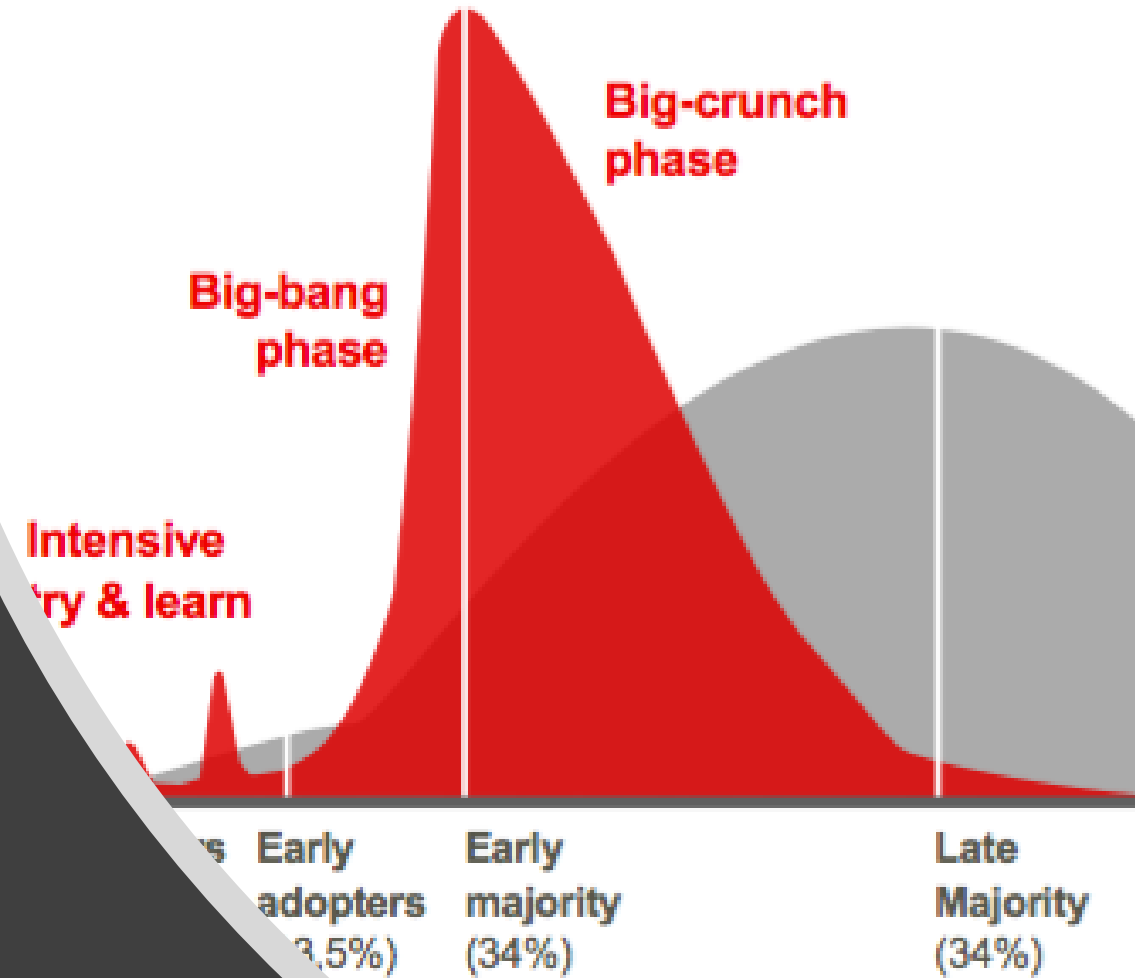




# Where are we heading? EU has direction – but what about Denmark and Finland?

- A new blockchain based interactive **economic ecosystem that spans the EU is in the making**
- Driven by a push for more **efficient resource allocation**, transparency, direct democracy and less friction
- A **supportive EU system** that will promote blockchain and crypto friendly regulation
- However - EU seem to be ahead of most member states, Denmark included.
- Denmark and Finland need to accelerate and show sense-of-urgency....because it's a global game, and the adoption is steep.

Trial Users  
Everybody Else

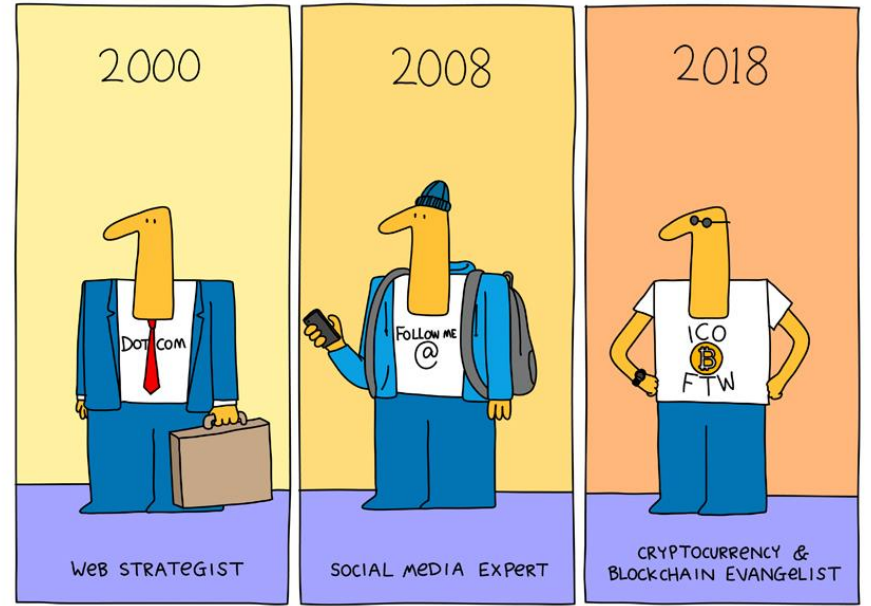
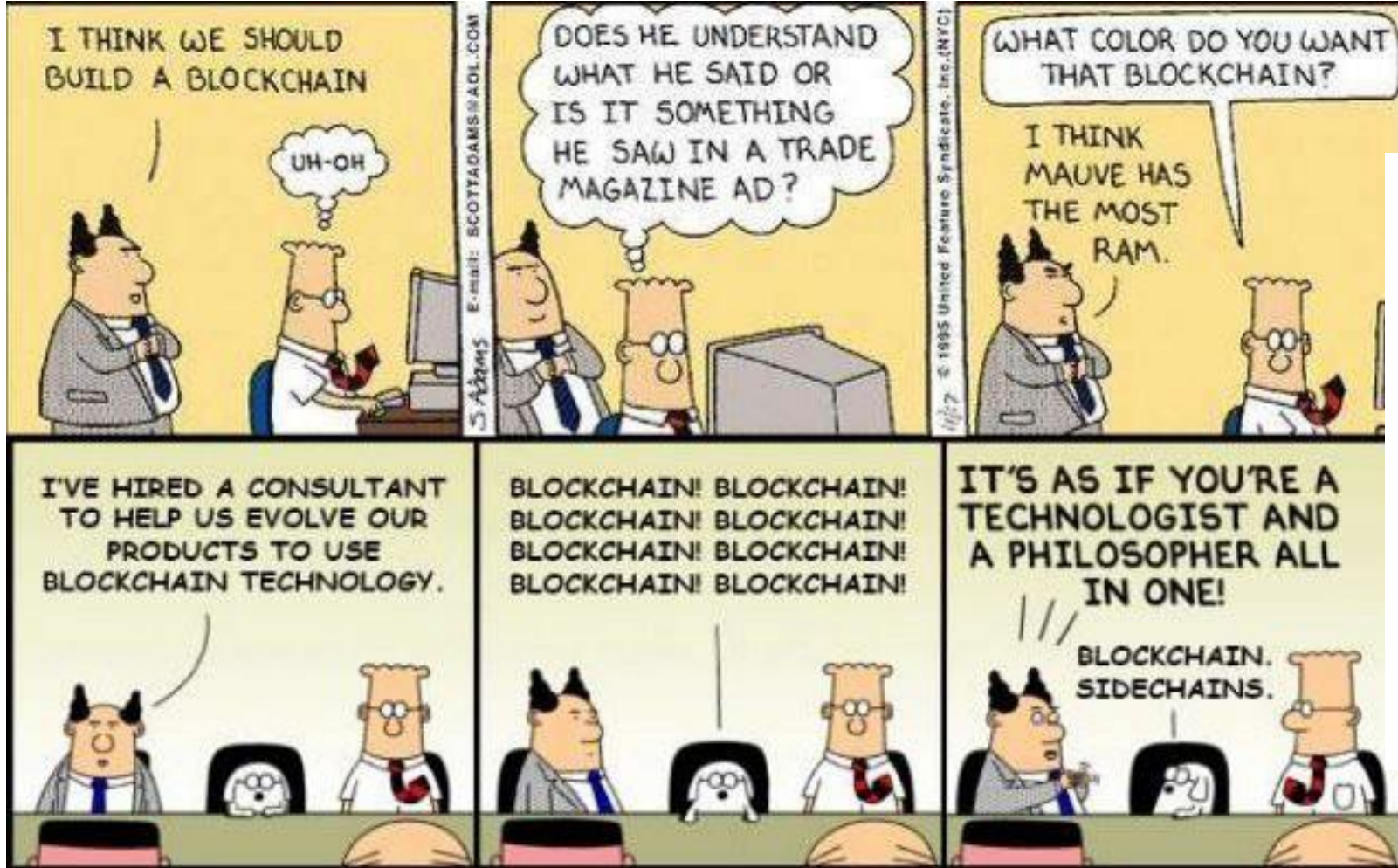


Market Segment Across

More information?

- [bhs@blocknordic.com](mailto:bhs@blocknordic.com)
- Bo Hembæk Svensson on LinkedIn





THE EVOLVING 'EXPERT' TO COACH PEOPLE THROUGH DISRUPTION

@briansolis @gapingvoid