

Shevchenko Maxim
Blockchain
From “HYPE” to practice

2017: We will use it!

- A lot of project were announced
- Any industry will use BlockChain
- Blockchain will solve all the issues
- Projects with names

“* Blockchain *”

receive funding easy and more



2018: Can we?

- Can DLT solve our issues?
- What can be put in the ledger?
- Can we estimate an economic effect?
- Platform
- Legal regulation

**Highly likely we can!
We see a lot of successful examples.**



Blockchain platforms



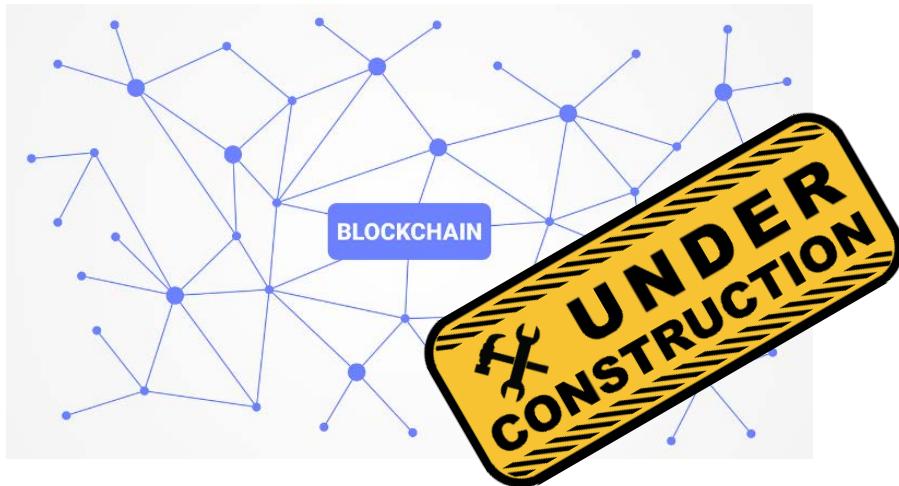
Almost any blockchain team declare:

- Best quality and usability
- Top performance
- Highest security
- etc.

CHOICE ISSUE



Meantime In reality (sometimes)



ALTCOIN NEWS MARCH 23, 2018 18:06

NEM Foundation Calls Off Chase for Stolen Coins from \$530 Million Coincheck Hack



Choice and performance

Estimation
process

Units



Developers, customers and users

Interface and storage issues

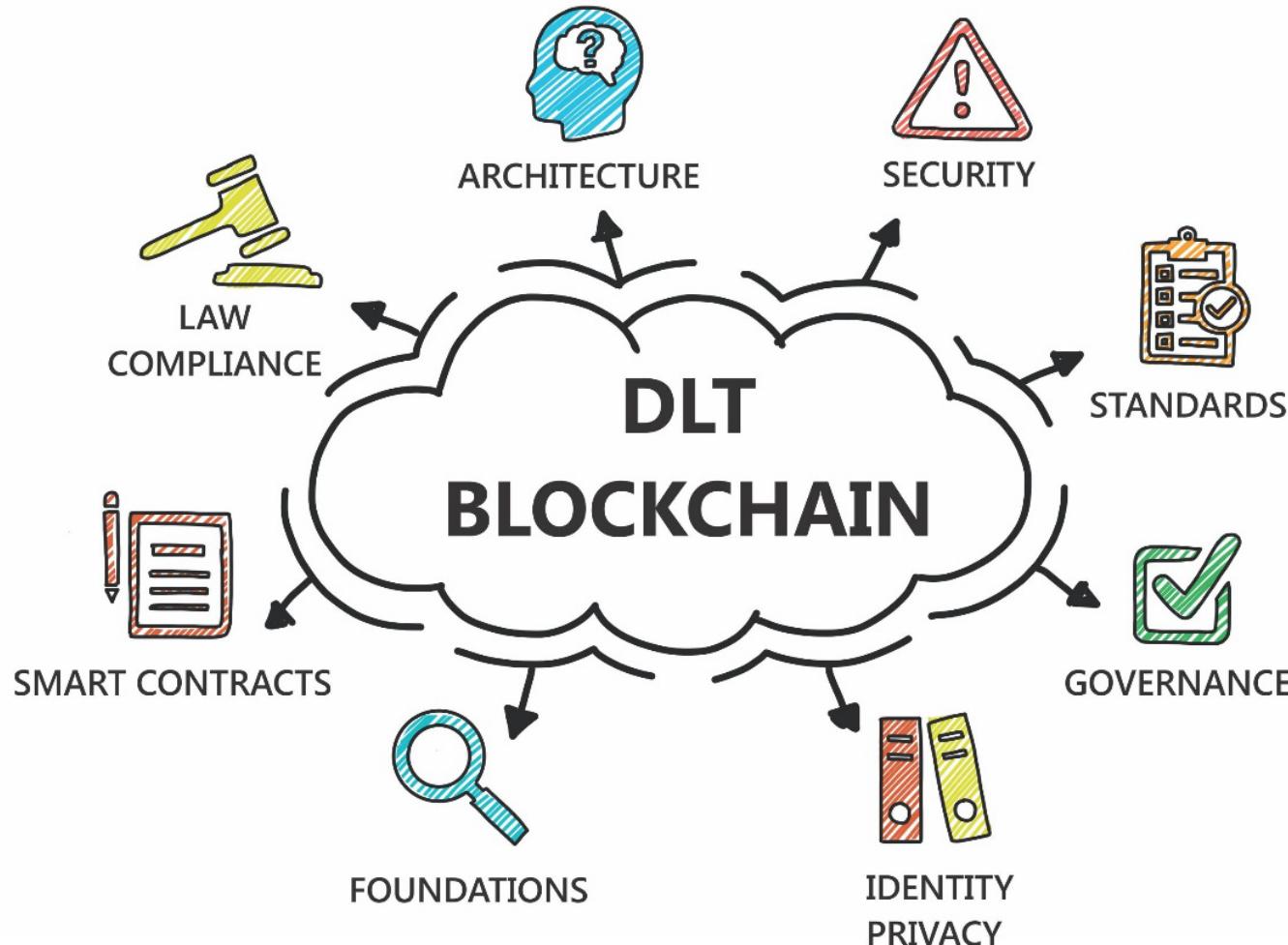




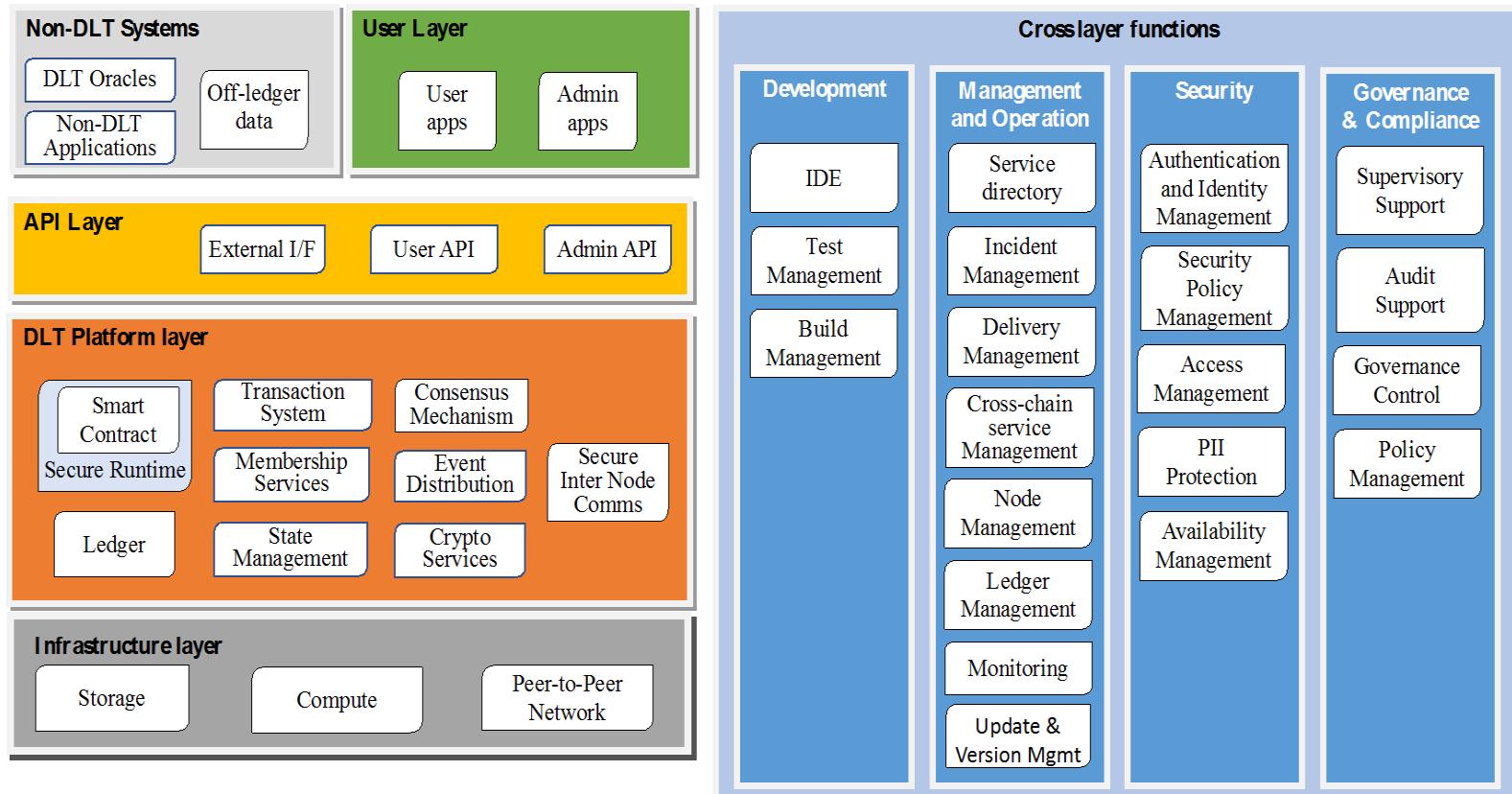
More issues than solutions

- Economic feasibility of implementation
 - Consensus protocol security
 - Scalability
 - Personal data protection
 - Data privacy
 - Identity management
 - Governance
 - Network attacks protection
 - Software assurance
 - Legal binding
 - Interoperability
 - Data volume increase

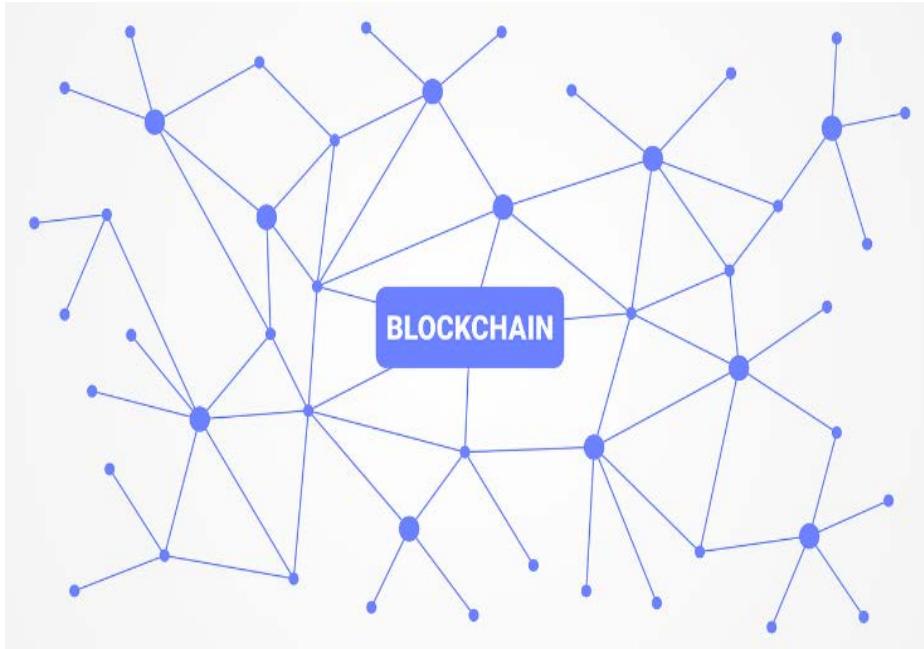
ISO/TC 307 Activity



Functional components - hierarchical framework



Issues to be solved



- List and describe Blockchain specific features and properties
- Identity and Private data management
- Security in practice
- Governance “by” and “with” blockchain

Industry urgently needs standards for practical secure and robust implementation

MUST BE SOLVED BEFORE MOVING FORWARD!

TC 26: Terms Draft



Establishes terminological foundation for future work:

- objects and subjects of DLT/Blockchain ecosystem,
- their roles,
- basic properties and relation between them

GOAL:

To solve the difficult issue to distinguish
DLT/Blockchain systems from existing and well
known distributed IT systems



ISO/ TC 307 next meeting

Russia, Moscow
22 -26 October, 2018



A background image of a city skyline at night, with a prominent glowing white padlock icon overlaid in the center. The padlock is semi-transparent, showing the city lights behind it.

Thank you for your attention!

Do not hesitate to contact me:
Maksim.Shevchenko@Infotecs.ru