Organising Liquidity at a Crypto Exchange

True Story

Lykke

Vladimir Petrov

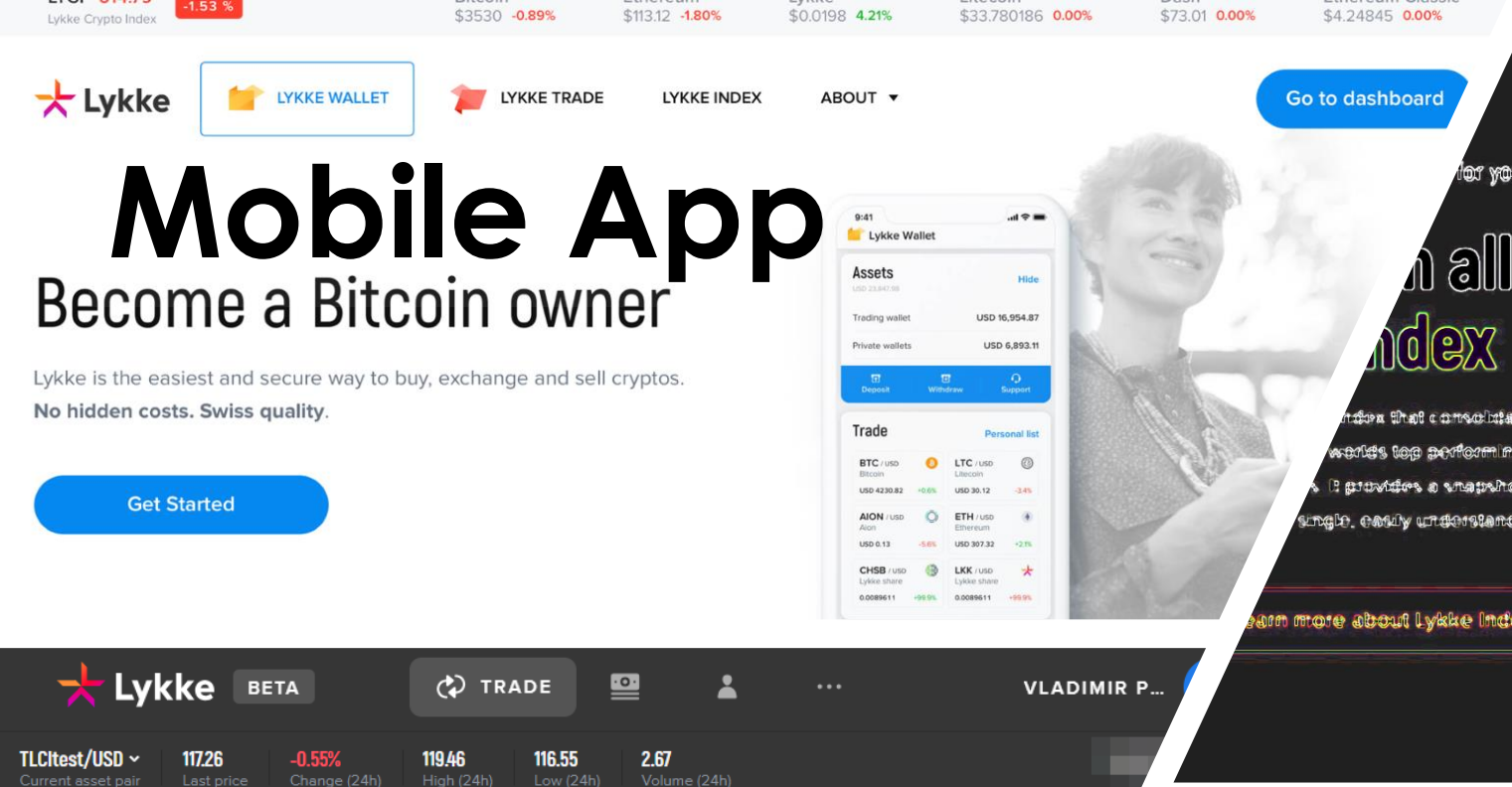
Crypto Technology Today

- **Daily** trading volume: $**20**bln =

x **10**

- **Bitcoin** accounts: **30** mln = Moscow + + St. Petersburg + + … + Perm } **13 biggest cities**

- **Biggest** exchanges earn **up to 100'000 Rub per minute**


Lykke
LYKKE WALLET
LYKKE TRADE
LYKKE INDEX
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Become a Bitcoin owner
Lykke is the easiest and secure way to buy, exchange and sell cryptos.
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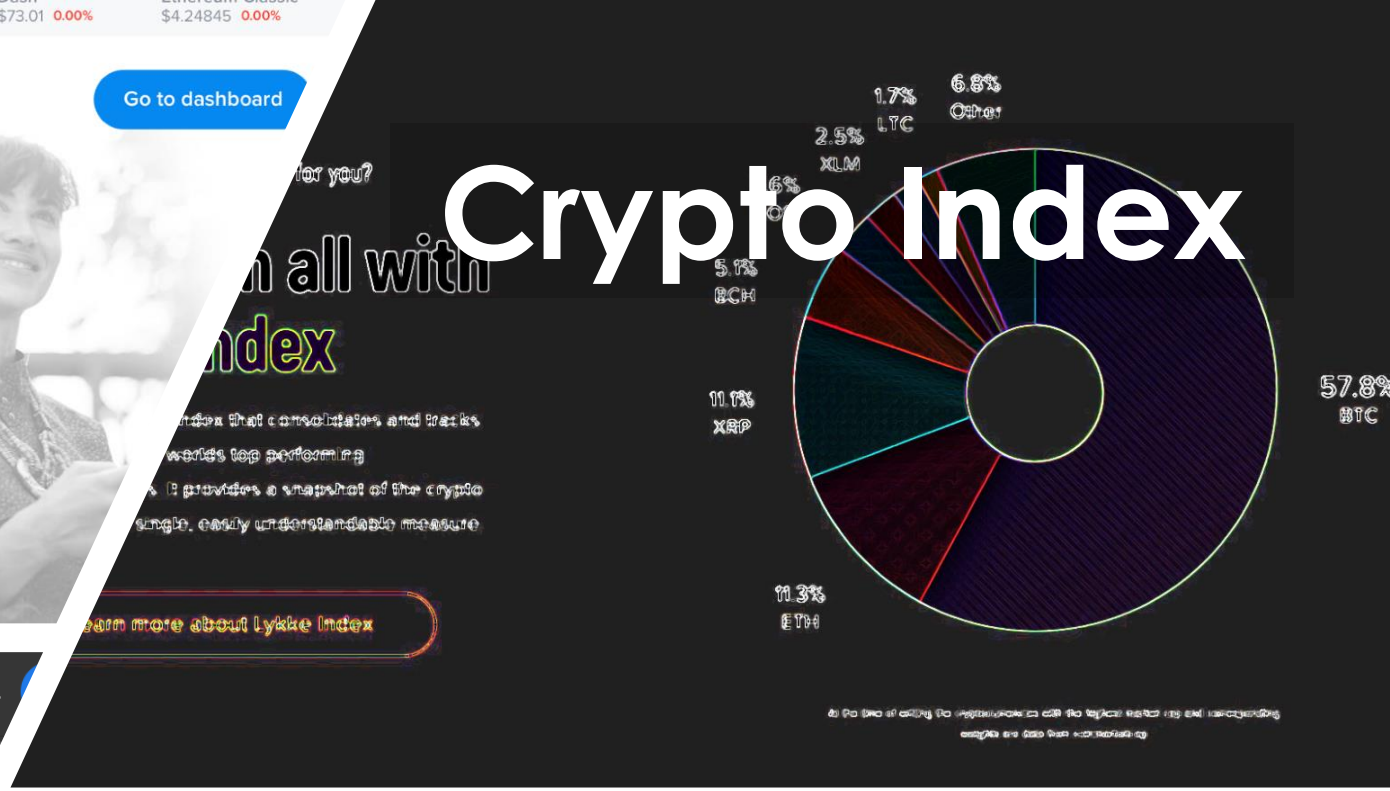
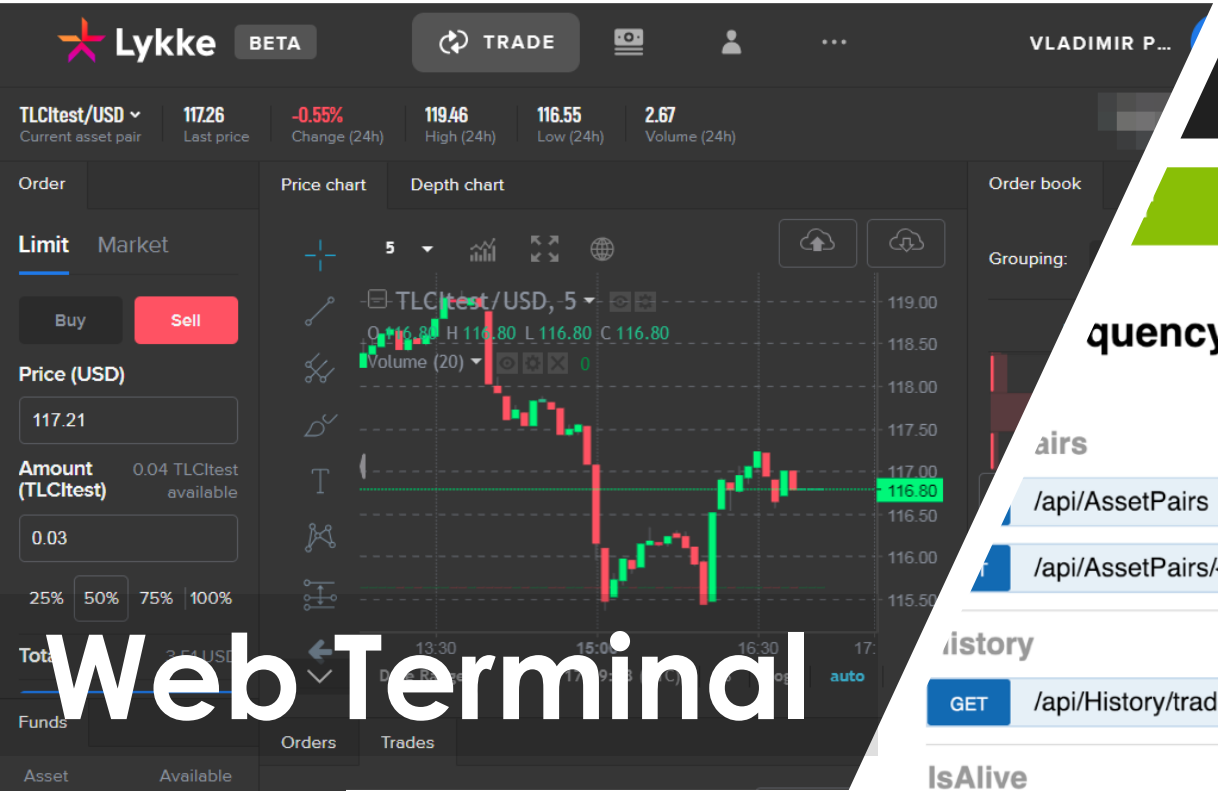
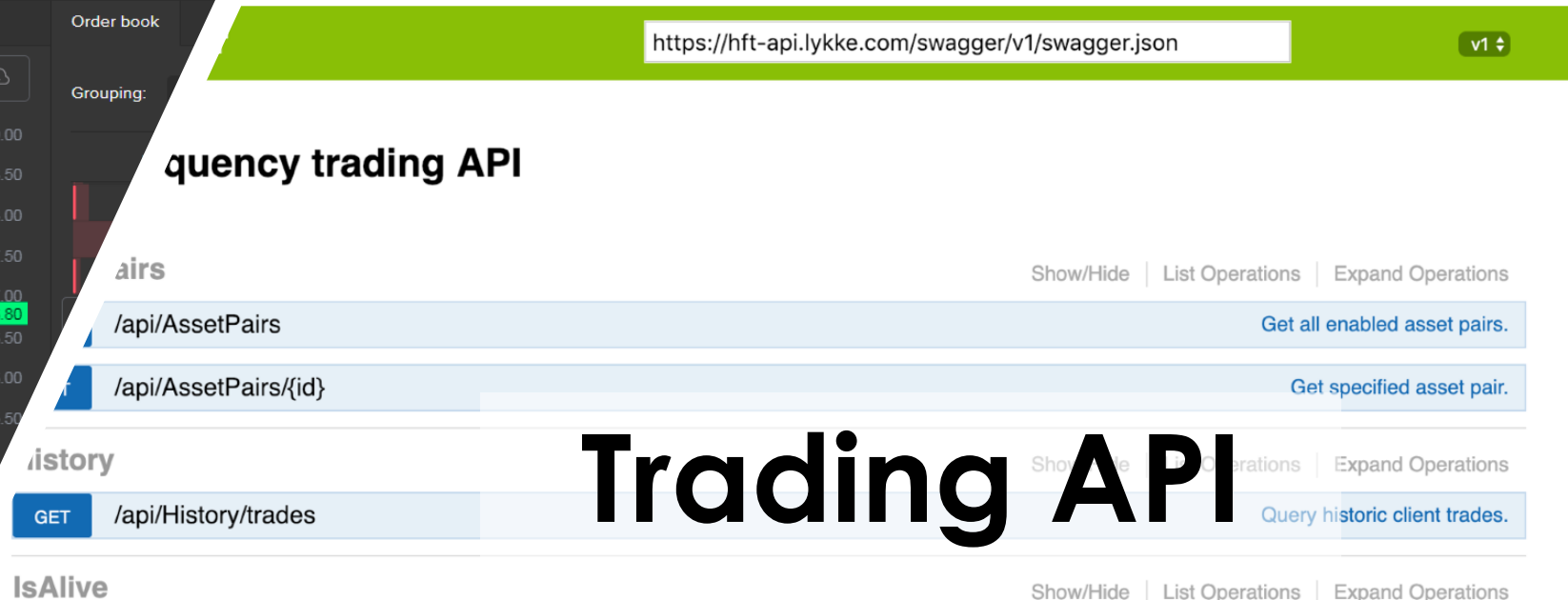
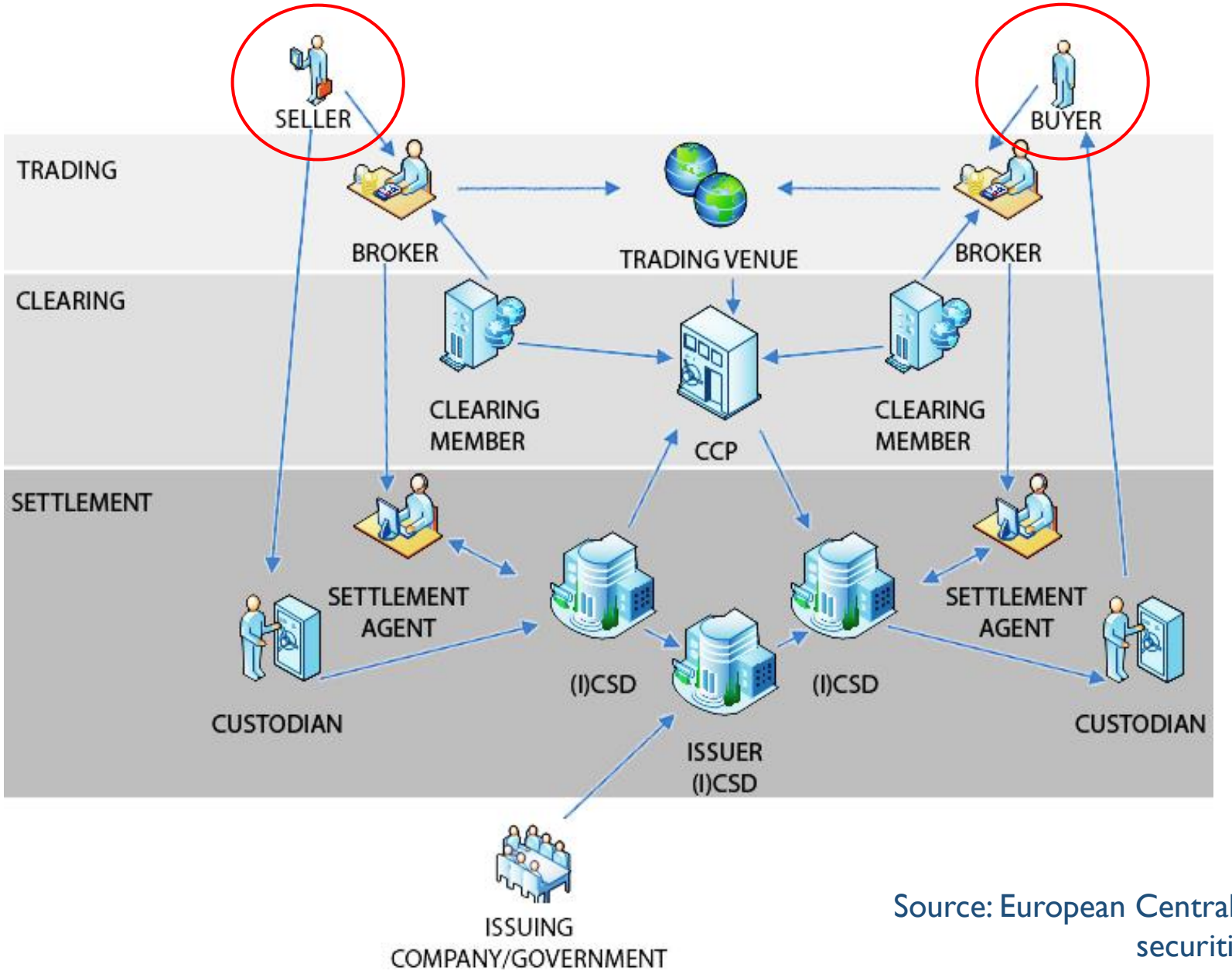
Get Started
Lykke Wallet
Assets
Trading wallet
USD 16,954.87
Private wallets
USD 6,893.11
Deposit
Withdraw
Support
Trade


Crypto Index
1.7%
LTC
6.8%
Other
2.5%
XLM
5.1%
BCH
11.1%
XRP
57.8%
BTC
11.3%
ETH
Learn more about Lykke Index


Lykke
BETA
TRADE
VLADIMIR P...
TLCItest/USD
Current asset pair
117.26
Last price
-0.55%
Change (24h)
119.46
High (24h)
116.55
Low (24h)
2.67
Volume (24h)
Order
Price chart
Depth chart
Order book
Limit
Market
Buy
Sell
Price (USD)
117.21
Amount (TLCItest)
0.04 TLCItest available
0.03
25%
50%
75%
100%
Grouping:
TLCItest/USD, 5
Volume (20)
Funds
Asset
Available
Orders
Trades
Web Terminal


https://hft-api.lykke.com/swagger/v1/swagger.json
v1
quency trading API
Show/Hide
List Operations
Expand Operations
/api/AssetPairs
Get all enabled asset pairs.
/api/AssetPairs/{id}
Get specified asset pair.
GET
/api/History/trades
Query historic client trades.
IsAlive
Trading API

Complex Banking System

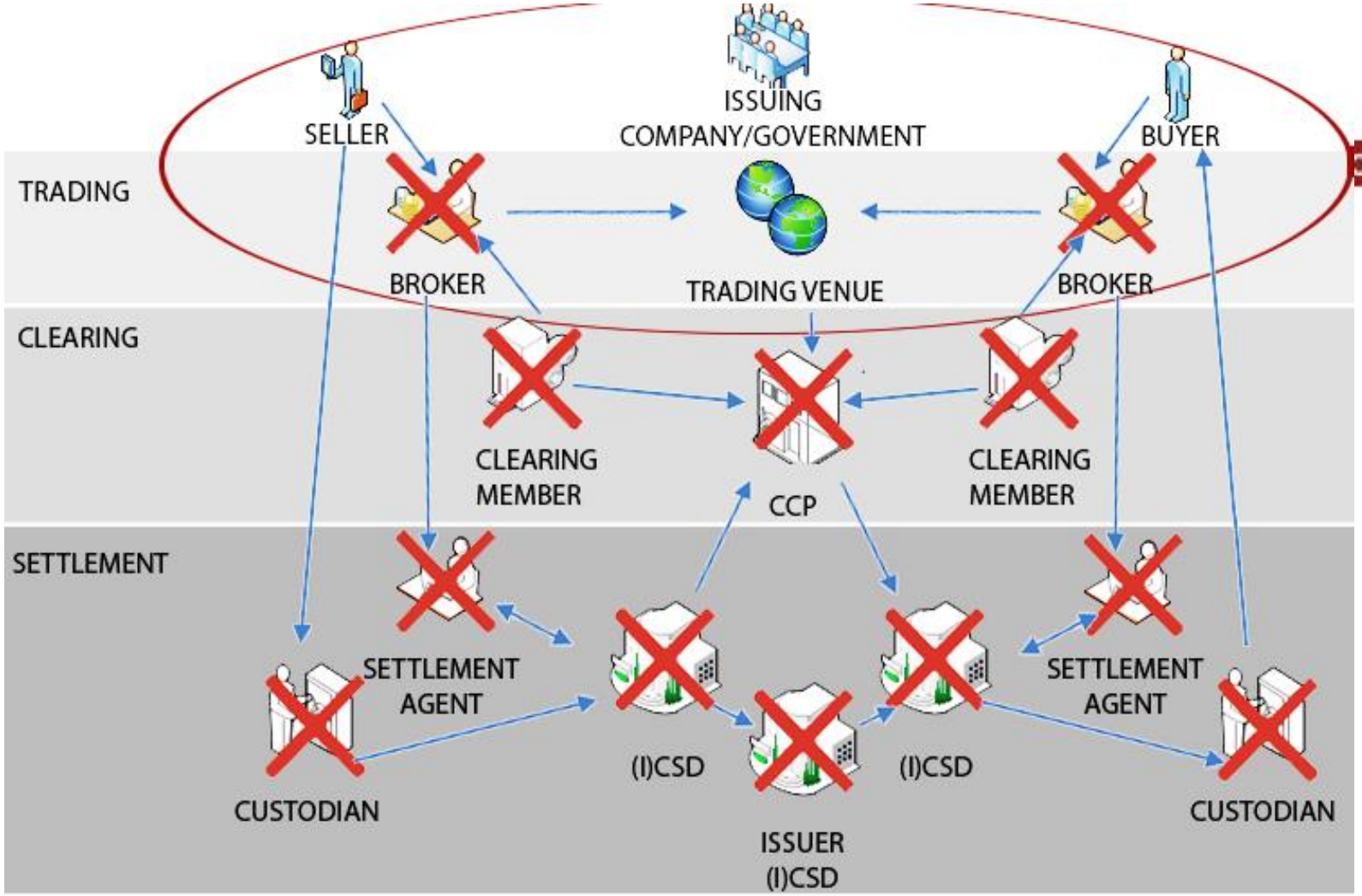


EUROPEAN CENTRAL BANK

EUROSYSTEM

Source: European Central Bank, "Distributed ledger technologies in securities post-trading, Revolution or evolution?"

Improved Banking System



on DLT

EUROPEAN CENTRAL BANK

EUROSYSTEM

Source: European Central Bank, "Distributed ledger technologies in securities post-trading, Revolution or evolution?"

1. **Alice** sends money to Boris

2. Network checks the ledger

3. Network updates the ledger

4. **Boris** received money from Alice

Colored Coins and ERC20

representing and managing any asset on top of blockchain

https://en.bitcoin.it/wiki/Colored_Coins

https://en.wikipedia.org/wiki/ERC-20

- **Tokenization**

  is metadata (record) that specifies terms and conditions of the asset

- **ISIN**

  (International Securities Identification Number) is guaranty of the original asset

Direct

Asset-to-Asset

transactions

Margin Trading
Lykke Vanuatu

Utility Tokens
Lykke Netherlands

Forex and Crypto
Lykke Corp UK

Lykke Coins
Lykke Corp AG

Science-backed **Market Making** Algorithms

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The Alpha Engine: Designing an Automated Trading Algorithm

High Performance Computing in Finance, Chapman & Hall/CRC Se

29 Pages • Posted: 12 Apr 2017 • Last revised: 3 May 2017

Anton Golub
Flov technologies

James Glattfelder
Department of Banking and Finance

Richard B. Olsen
Lykke Corp

Date Written: April 5, 2017

Abstract

We introduce a new approach to algorithmic
trading strategies. This trading model design is the result of a pa

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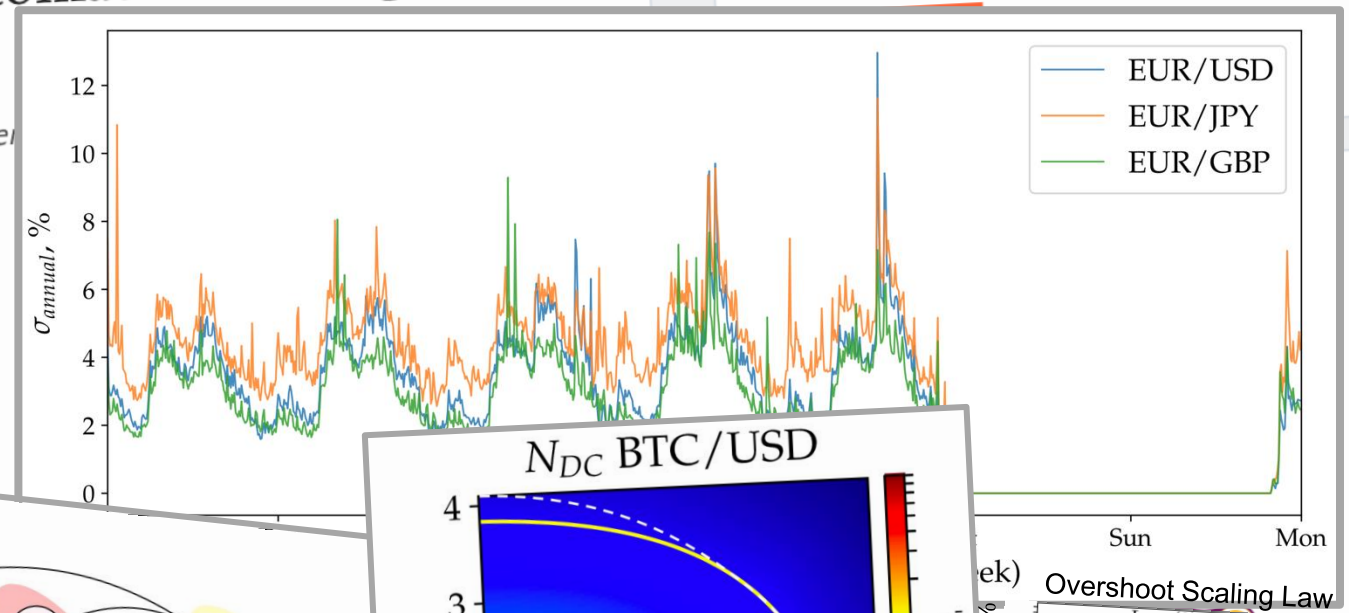
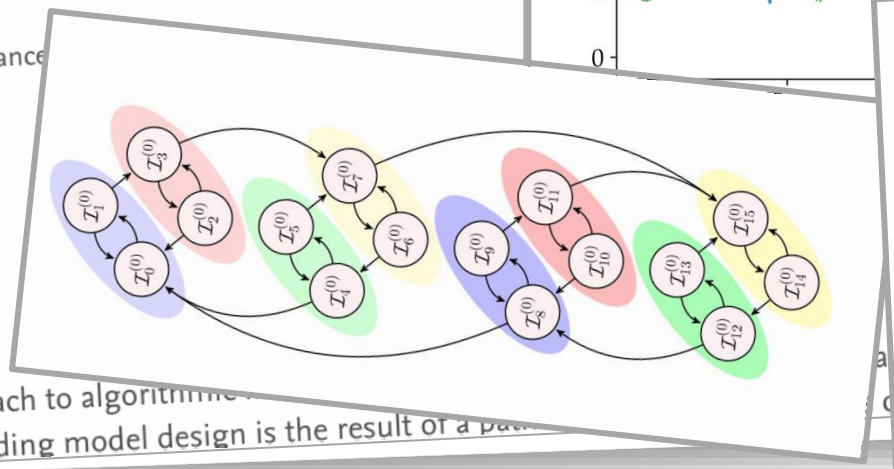
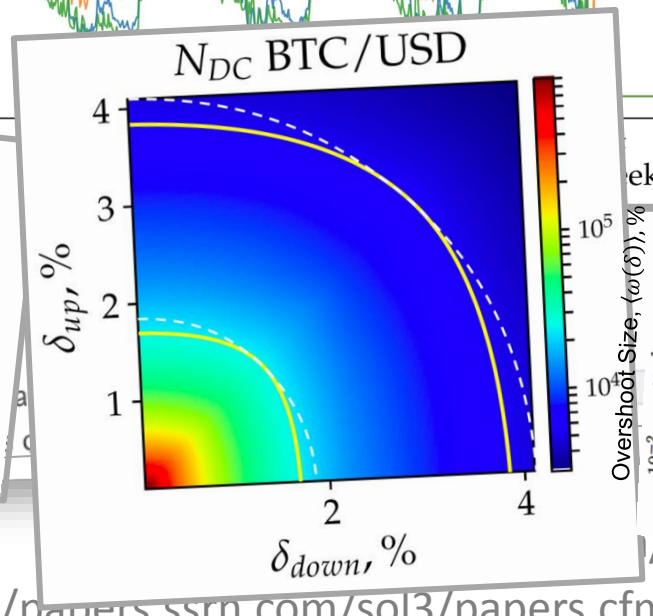
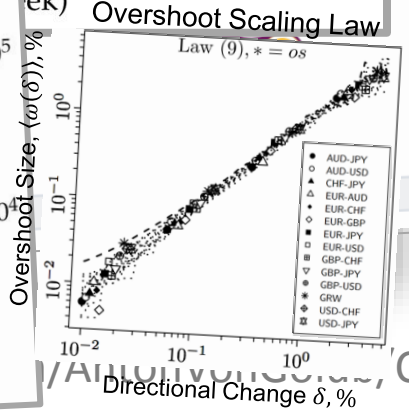
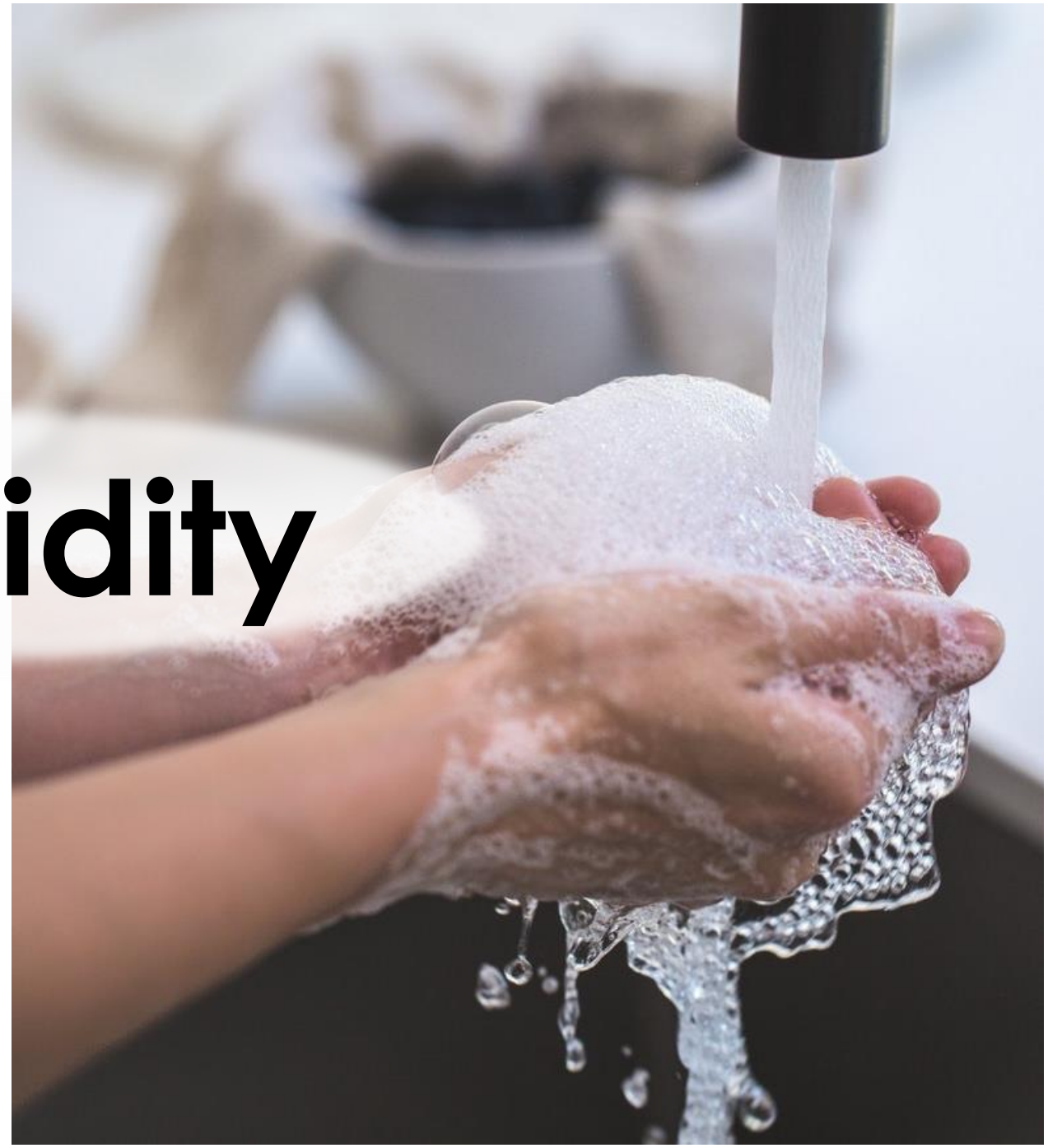








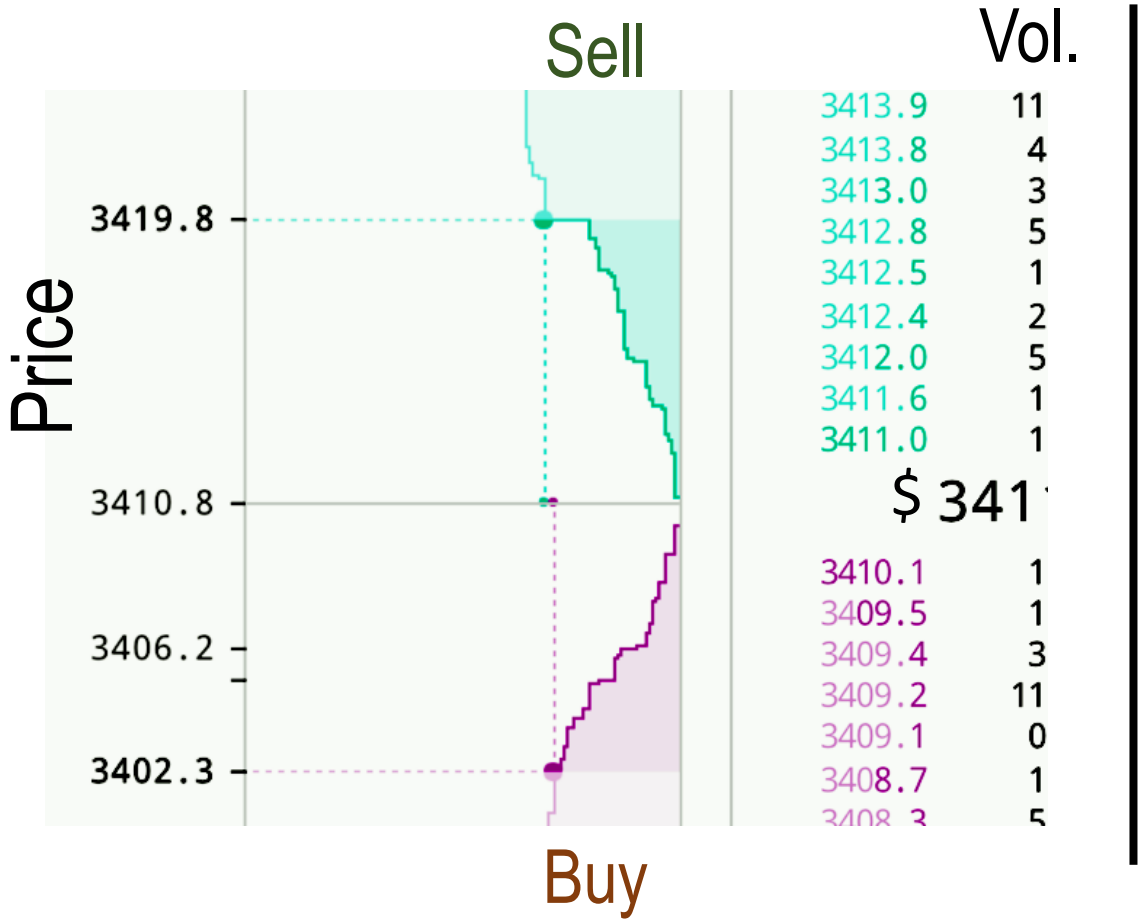
Code
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2951348

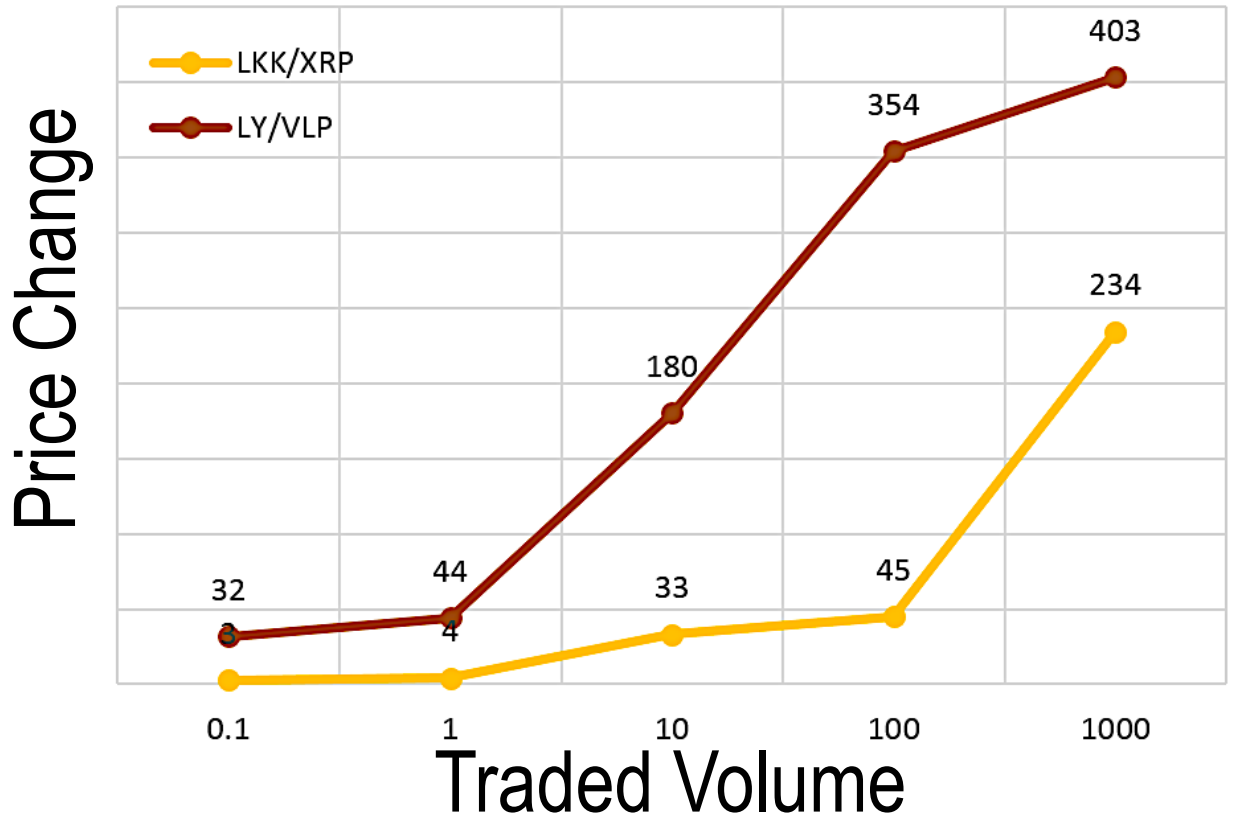


Liquidity

Measuring Liquidity

- Slippage
- Roundtrip
- Time of Recovery





Smart Routing

Yandex.Market – Smart Routing for Goods

Мобильные телефоны • Apple

Смартфон Apple iPhone Xs 64GB 4.0 19 отзывов

Отложить | Сравнить

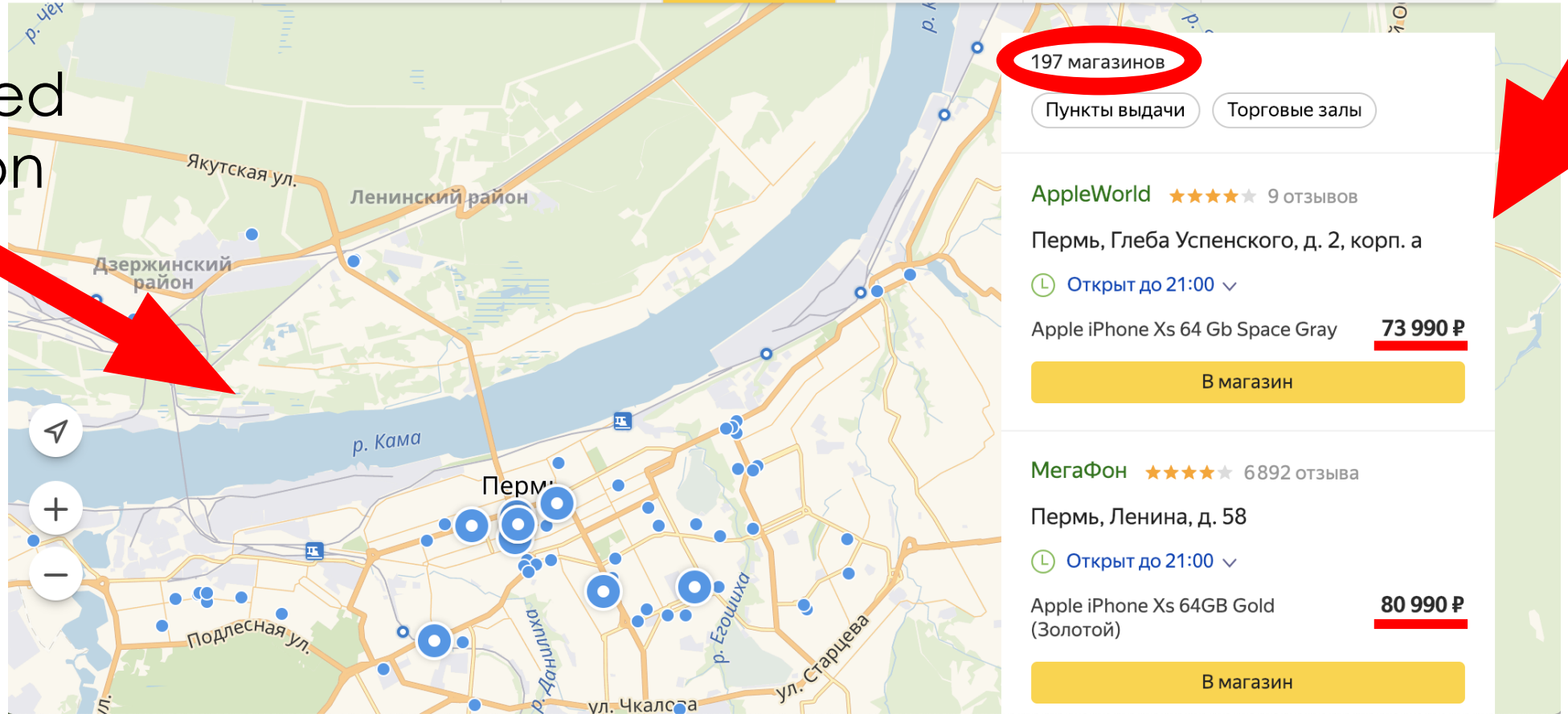
71 490 ₽
подробнее

В магазин

Ranked by Price

Описание | Характеристики | Цены 64 | Карта 119 | Отзывы 19 | Обзоры 1 | Вопросы о товаре 13

Optimised Location



197 магазинов

Пункты выдачи | Торговые залы

AppleWorld ★★★★☆ 9 отзывов

Пермь, Глеба Успенского, д. 2, корп. а

Открыт до 21:00

Apple iPhone Xs 64 Gb Space Gray **73 990 ₽**

В магазин

МегаФон ★★★★☆ 6892 отзыва

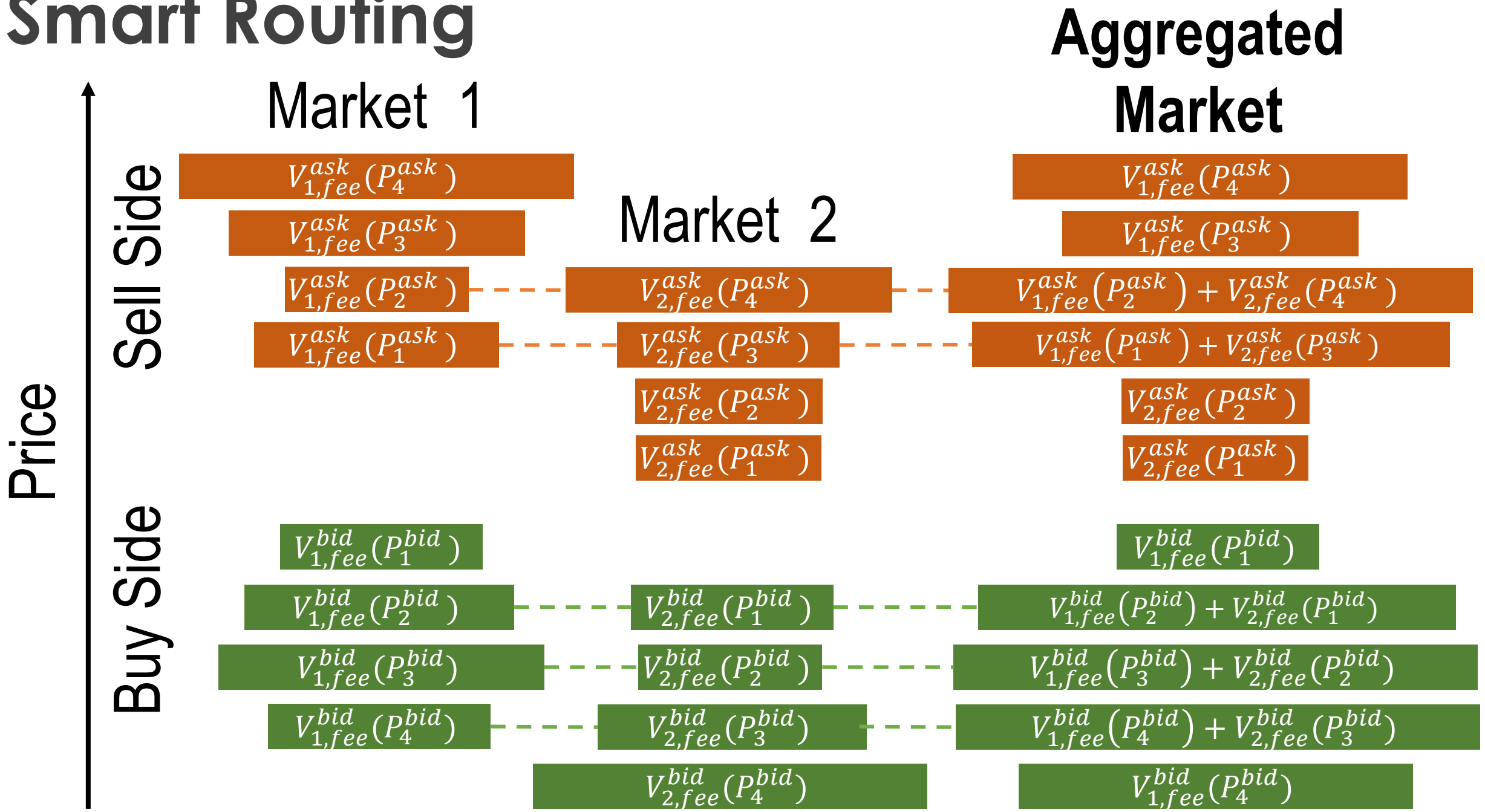
Пермь, Ленина, д. 58

Открыт до 21:00

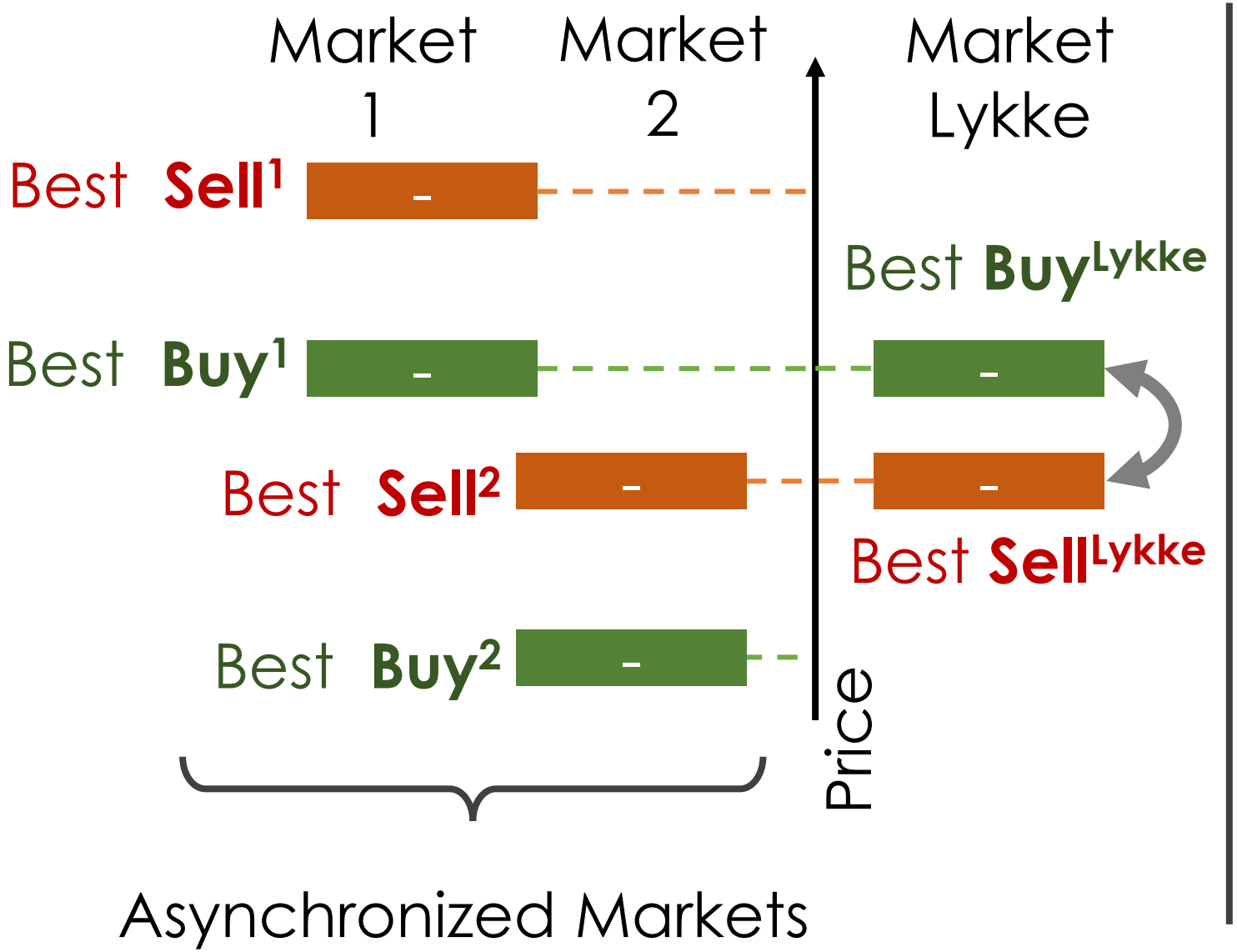
Apple iPhone Xs 64GB Gold (Золотой) **80 990 ₽**

В магазин

Smart Routing



Arbitrage Opportunity – Instant Profit



Cross-exchange arbitrage indicators

Lykke

	Bitfinex(e) 3492.6	BitMEX(e) 3416	Bitstamp(e) 3418.32
Bitfinex(e) 3492.7	-	2.25%	2.18%
BitMEX(e) 3416.5	-2.18% 40.9979	-	-0.05% 11.7586
Bitstamp(e) 3422.24	-2.01% 40.9979	0.18%	-
CEX.IO(e) 3488.3	-0.12% 1.5466	2.12%	2.05%

https://www.lykke.com/trading-indicators

LyCI Index. LYCI Utility Token

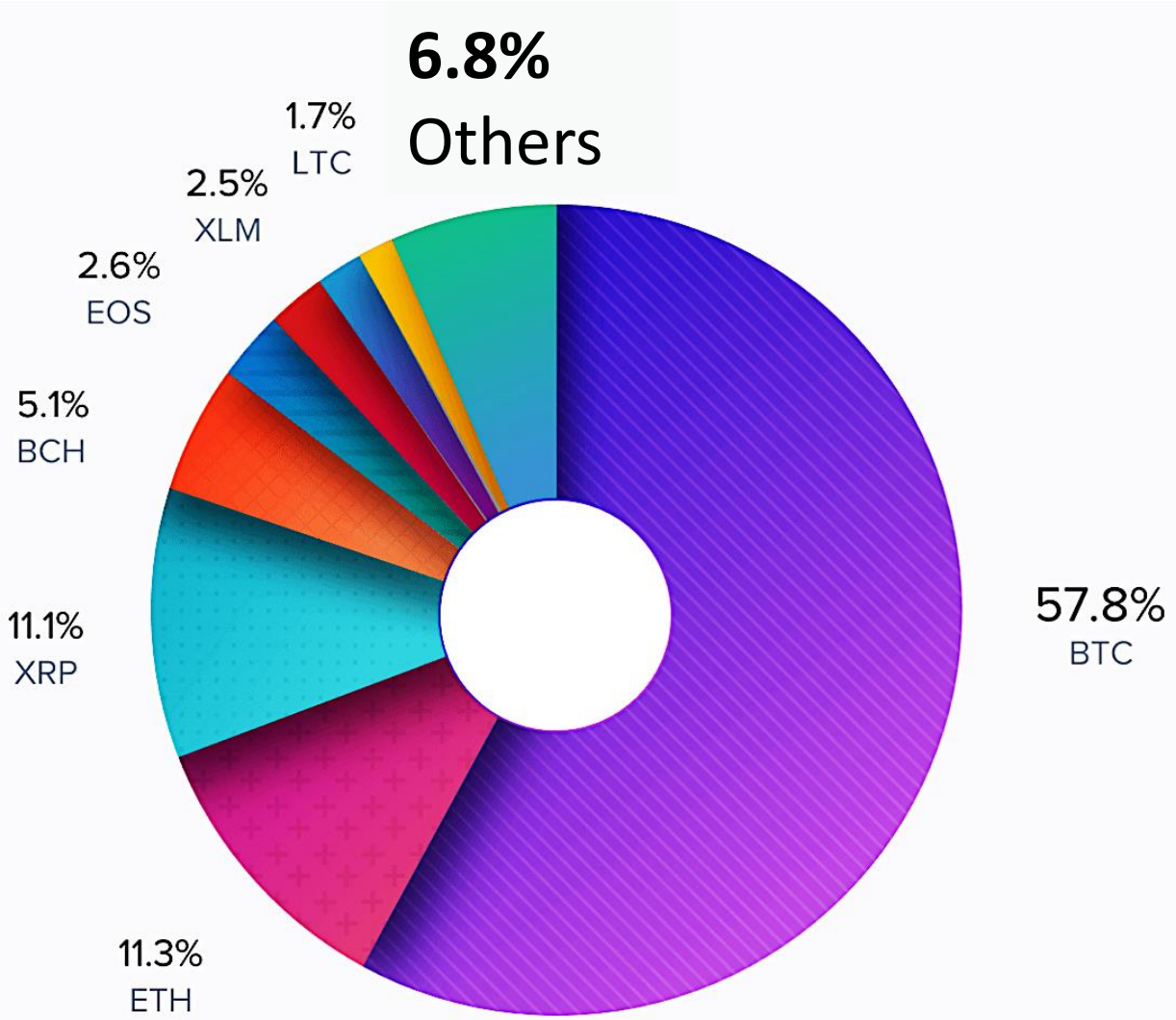
Not sure which crypto is right for you?

Buy them all with Lykke Index

25 Cryptos – One click

Don’t put all your eggs in one basket.

Start now



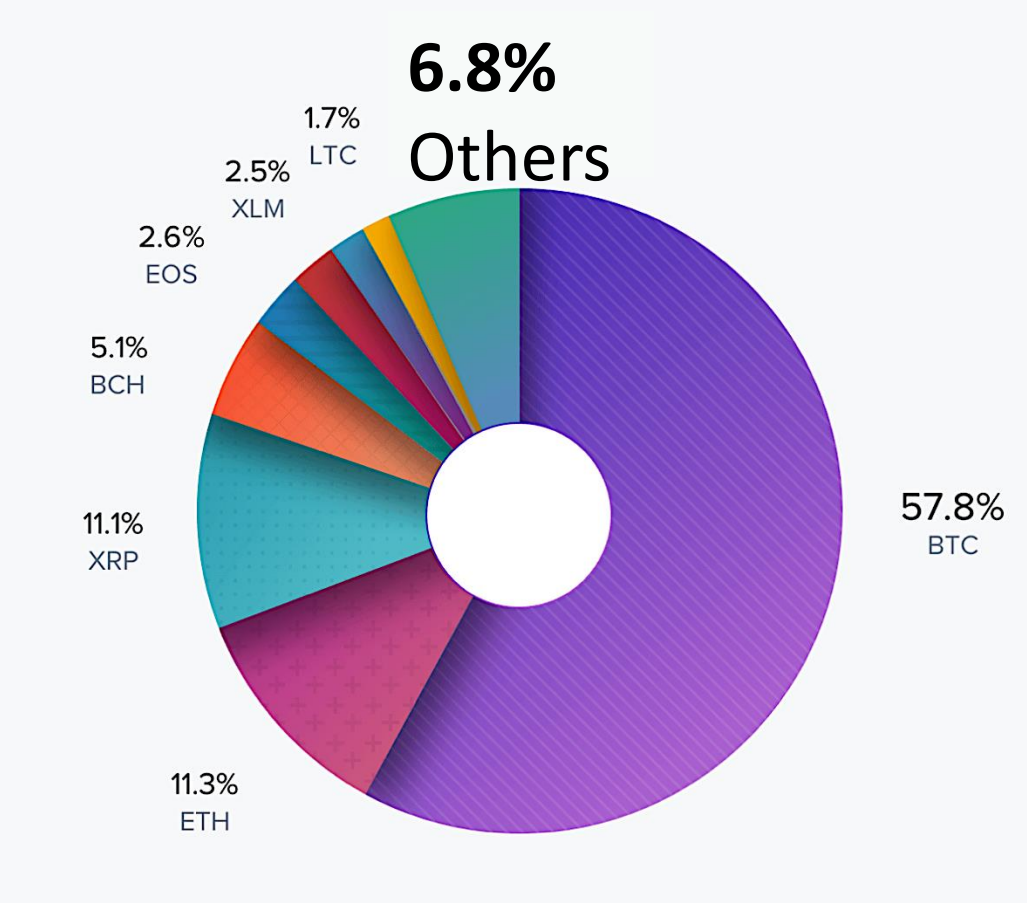
Reducing Price Change Risks. **Hedging**.

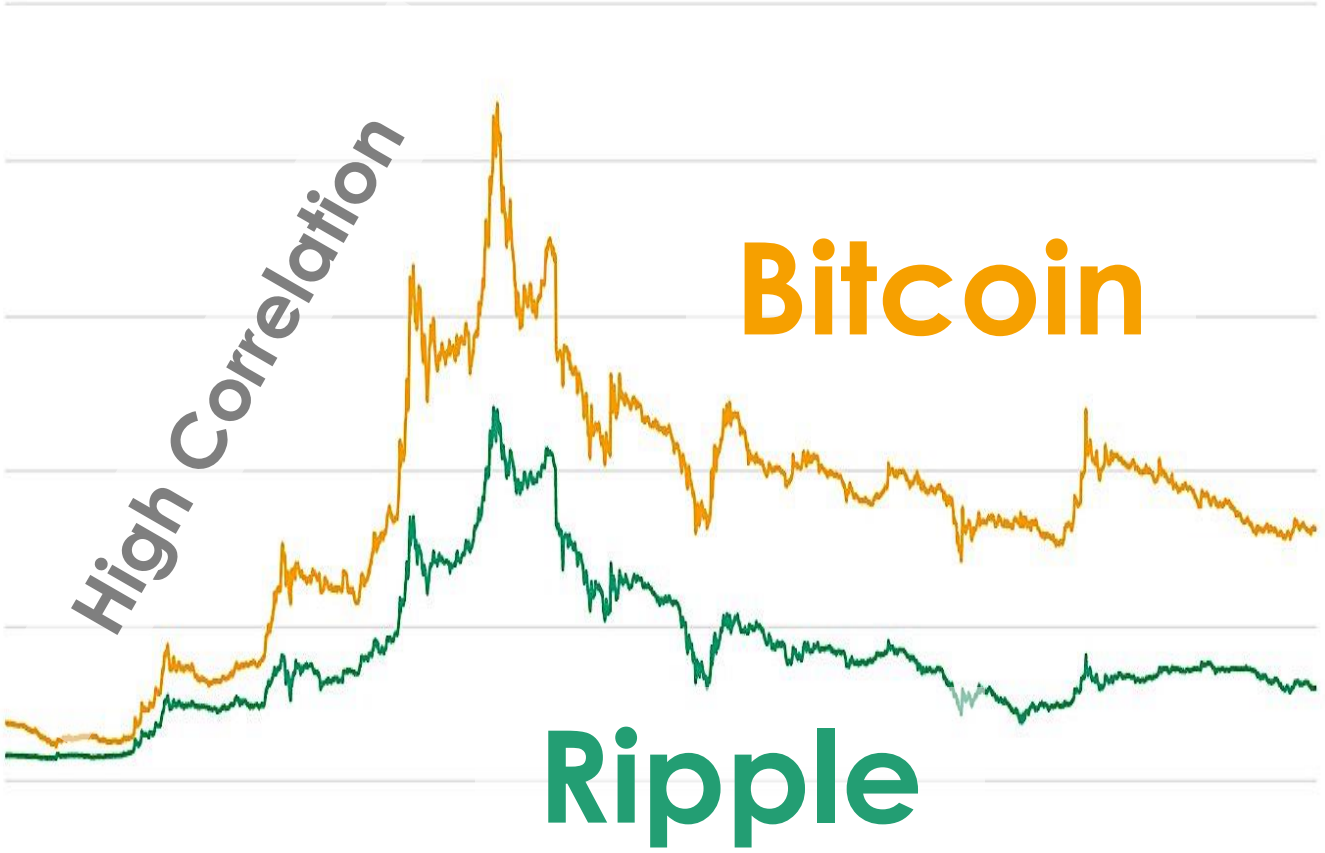
spot product future

Wealth:

LYCI Token and Proxy Hedging

25 cryptocurrencies, **6** at Lykke Exchange





Future. Phases of Advanced Development

Blockchain for Finance = **TCP IP** for Internet

- Single use
- Localised use
- Substitution
- Transformation

https://medium.com/@poolofstake/finding-a-parallel-between-blockchain-and-the-early-internet-cf67a1f33935

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