

vwd:

Managing the Complexity of Processing Financial Data at Scale

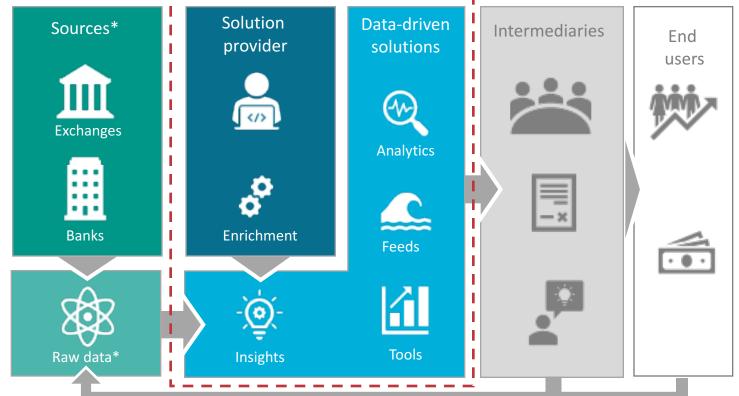
An Experience Report //
Presented at CSD&M 2019, Paris, 12.12.2019

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Financial data processing in a nutshell*

Financial data providers collect & enrich raw market data





The leading European alternative

Infront and vwd join forces to deliver high quality solutions



Infront is listed on the Oslo Stock Exchange.



Challenges processing financial data at scale

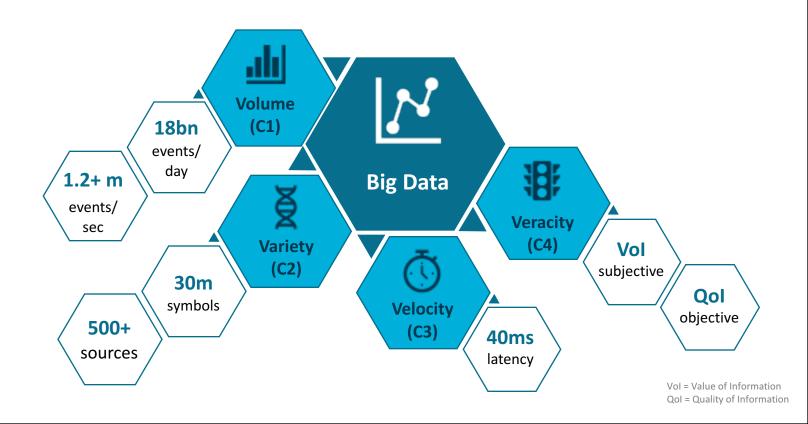
Approaches to tackle data, systemic & regulatory challenges





Big Data: volume, variety, velocity, veracity

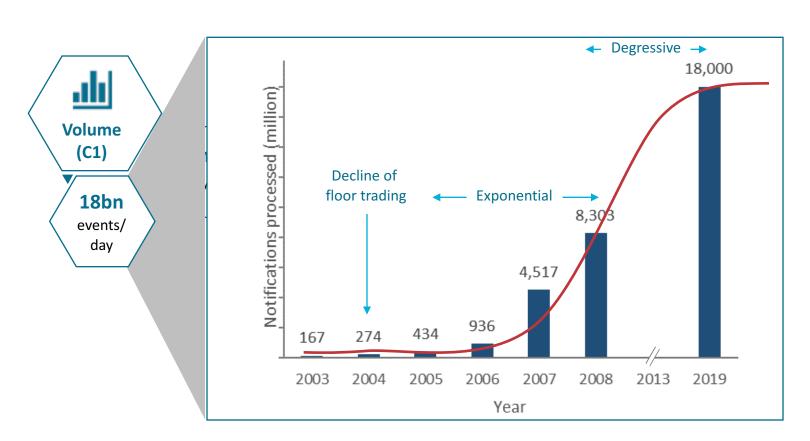
4V challenges facilitated by streaming nature of data



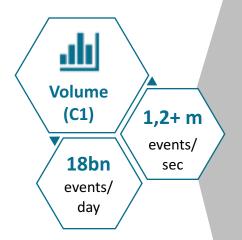


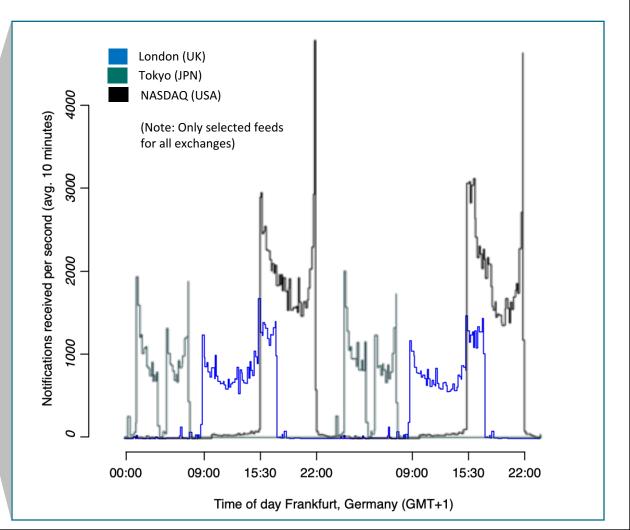
Deep dive: volume (C1) total and daily

Total increases exponentially with daily throughput varying





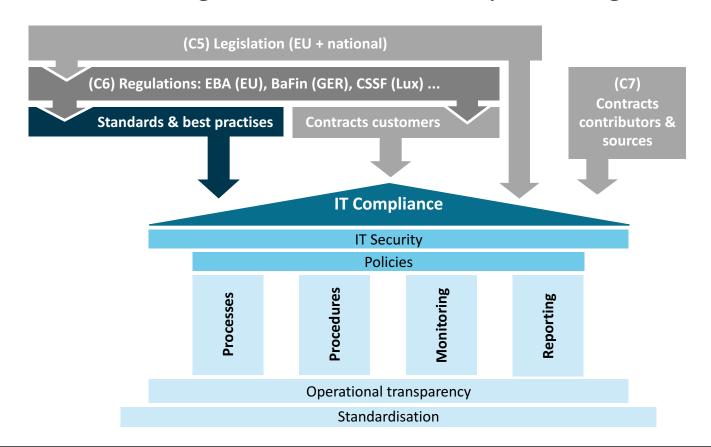






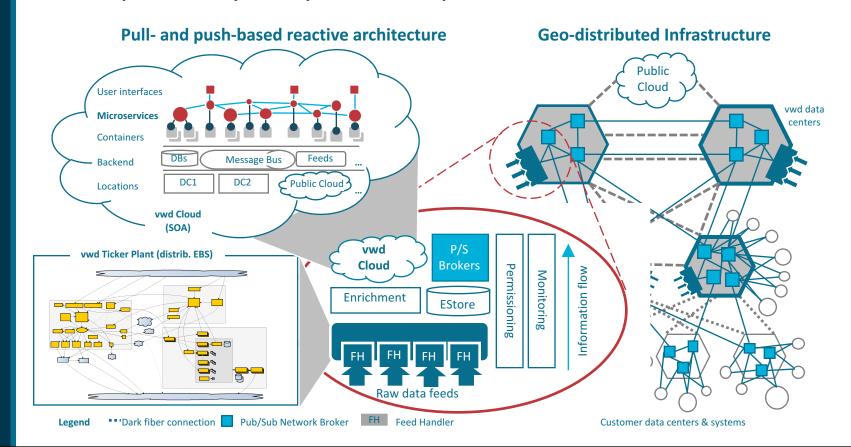
Regulatory challenges enforce transparency

International legislation vs. business-specific regulations





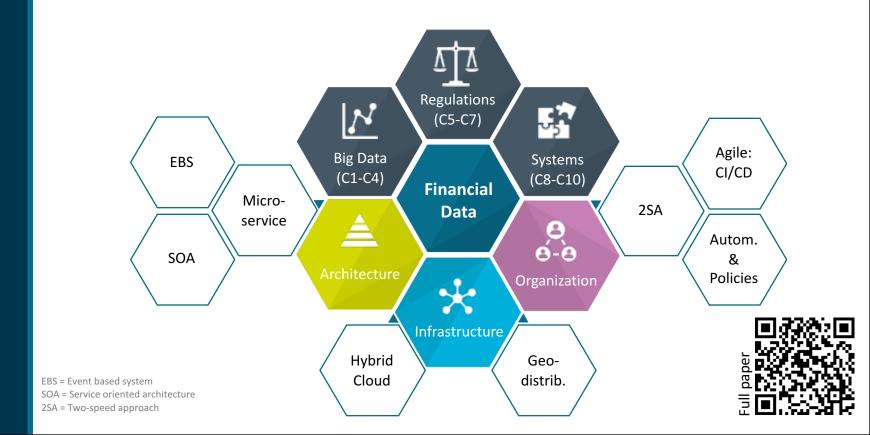
Reactive systems in geo-distributed setup We operate hybrid push- and pull-based architectures





Data, systems & regulations foster complexity

Approach: reactive architecture, Cloud & agile organisation





vwd:

We are here to help!

+++ Austria +++ Belgium +++ Denmark +++ Finland +++ France +++ Germany +++ Italy +++ Luxembo



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