

Erasmus Centre for Data Analytics Expert Practice *Fintech*





Dr. Dion Bongaerts

"The Fintech expert practice aims to understand and exploit the real innovations and business opportunities that FinTech brings from a multi-disciplinary perspective"

The Fintech Lab: Overview experts



[Prof. Peter Roosenboom](#) – Crowdfunding



[Dr. Thomas Lambert](#) – P2P, Crowdfunding



[Dr. Markus Weinmann](#) – Crowdfunding



[Dr. Alexander Genevsky](#) – Crowdfunding



[Dr. Luca Berchicci](#) – Crowdfunding



[Dr. Y. Liu](#) – Crowdfunding



[Dr. Magdalena Cholakova](#) – Crowdfunding



[Dr. Philipp Cornelius](#) – Crowdfunding



[Dr. Joop Huij](#) – Machine learning and asset management



[Prof. Daniel Metzger](#) – general FinTech business models, Fintech in development finance



[Dr. Roger van Dalen](#) – HFT, Deep learning, machine learning, AI



[Dr. Mancy Luo](#) – Learning, data analytics



[Dr. Stephan Kramer](#) – Blockchain



[Dan Liebau](#) – General FinTech business models, Blockchain – External lecturer, PhD



[Dr. Mikael Paaso](#) – General FinTech business models, crowdfunding

1. What is new with FinTech?
2. The use of blockchain and tokens in financial markets
3. Crowdfunding
4. Investing with AI
5. Open banking
6. High-Frequency Trading

Questions we try to answer

1. Which new financing channels or financial business models does FinTech offer?
2. How can a FinTech environment help to answer classic questions in finance, economics, and business? (e.g., through more/better data)
3. How should financial institutions respond to the competitive threat of different FinTech parties? (strategic)
4. How to get traditional and conservative institutions such as banks to adopt and embrace FinTech solutions? (change management)

Fintech – Introduction & urgency

What are FinTechs?

- Tech-savvy firms/organizations/platforms providing financial services
- Often employing innovative technologies to conduct these services more efficiently than traditional parties

What is the urgency?

- License of LargeTechs for offering financial services (e.g. Google Payment through Lithuania)
- Regulation-induced opening-up of banking market (PSD2, Open Banking)
- Massive investments by financial industry, but little return so far

DUTCH FINTECH SCENE



- Peer-to-peer lending (e.g., Lending Club)
- High-Frequency Trading (Optiver, IMC, Flow Traders)
- Online payment services (PayPal, AliPay, Apple Pay, Google Pay, Cryptos)
- Online international money transfer services (Revolut, TransferWise)
- Crowdfunding (Kickstarter)
- Security issuance (ICOs)
- Online deposit taking (Yu'e Bao)
- Robo-advising (e.g., Betterment)

Aim: design of an internet- and blockchain-based system that

1. Fosters trust and reputation by leveraging technology
 - a) Using records of historical interactions
 - b) Providing users with autonomous decision devices
2. Provides privacy without anonymity
3. Is scalable
4. Is tested in the field
5. Is law-compliant

More information can be found [here](#).



Collaboration:  UNIVERSITY OF AMSTERDAM 

Funding: NWO, RvIG, Holland High Tech, Topsector HTSM, and Delft Blockchain Lab TU Delft

- Two research questions:
 - Does trust in traditional finance affect fintech adoption?
 - Use experiments and household surveys to study impact of trust in finance on adoption of various fintech products
 - Can mobile money facilitate financial inclusion?
 - “Randomly” introduce people in developing countries to fintech using randomized mobile money grants and track use of other financial products such as microinsurance, savings plans and so on
- By Mikael Paaso (Erasmus) together with Deniz Okat (HKUST), and Vesa Pursiainen (St. Gallen)
- Funded by the Foundation for the Advancement of Securities Markets in Finland

[RSM MSc Business Analytics and Management](#) (Blockchain, Fintech)

[RSM MSc Finance and Investments](#) (Blockchain, FinTech)

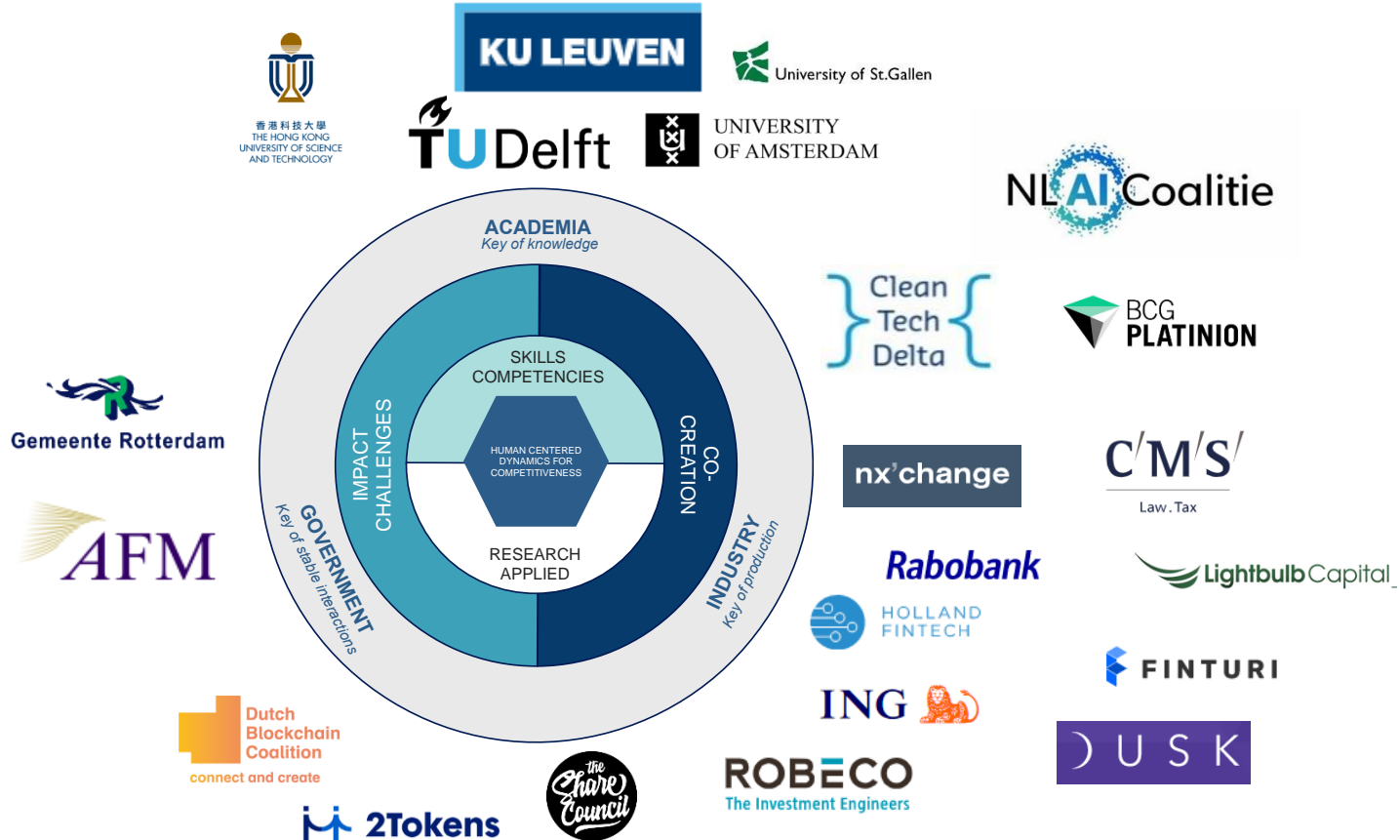
[RSM Executive Education](#) (Blockchain, FinTech)

RSM [\(E\)MBA](#) (FinTech)

[Erasmus School of Law Financieel Recht](#) (Blockchain, AI)

[2Tokens Webinars and Masterclasses](#) (Blockchain, Tokenization)

Fintech ecosystem of partnerships



Passion provides purpose, but data drives decisions

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