Frankfurt School Blockchain Center

Prof. Dr. Philipp Sandner
Blockchain Center
Frankfurt School of Finance & Management

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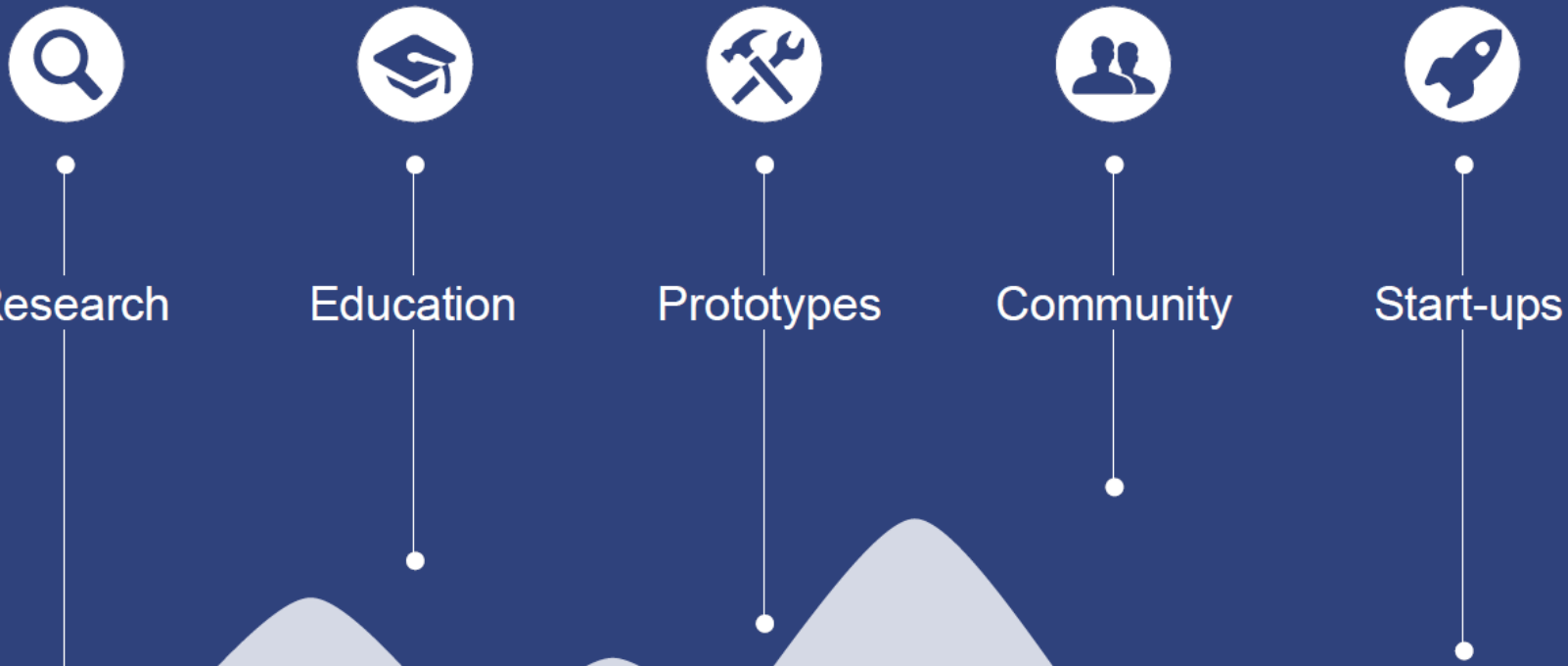
Internet: www.fs-blockchain.de

We will **focus** on five areas



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Blockchain Center

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fragen@fs-blockchain.de
www.fs-blockchain.de

What do we do?

Workshops, trainings, research projects, Ethereum prototypes, startups

For whom?

Banking, insurance, energy, mobility, Industrie 4.0, internet of things

Dates

Workshop: Connecting IoT Hardware to Ethereum (Aug. 2017)

Ethereum Developer Course (Sep. 2017)

Hyperledger Developer Course (Sep. 2017)

Implementing Financial Prototypes (Nov. 2017)

Asset Management and Blockchain (Nov. 2017)

Contact

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Community

In June 2017, three crypto currencies have a market capitalization that would let them rank in DAX30

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Category	Name	Market Capitalization (in bn. USD, as of May 30, 2017)
DAX	SAP	116.6
DAX	Siemens	107.3
DAX	Bayer	95.8
DAX	Deutsche Telekom	83.2
DAX	Allianz	78.5
DAX	BASF	77.3
DAX	Daimler	69.5
DAX	BMW St	55.4
DAX	Fresenius	41.2
DAX	Continental	39.9
DAX	Deutsche Post	39.1
Crypto currency	Bitcoin	38.8
DAX	Adidas	36.1
DAX	Linde	31.7
DAX	Volkswagen Vz	28.2
DAX	Münchener Rück	28.0
DAX	Fresenius Medical Care St	25.5
DAX	Beiersdorf	23.8
DAX	Deutsche Bank	22.7
DAX	Infineon	22.2
DAX	Henkel Vz	22.1
Crypto currency	Ethereum	21.5
DAX	Deutsche Börse	17.5
DAX	E.ON	16.5
DAX	HeidelbergCement	16.4
DAX	Vonovia	16.2
DAX	ThyssenKrupp	13.6
DAX	Merck KGaA	13.5
DAX	Commerzbank	11.8
Crypto currency	Ripple	11.5
DAX	RWE St	10.1
DAX	ProSiebenSat.1	8.3
DAX	Lufthansa	8.0

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Veranstaltungen

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Veranstaltungen

Projekte

Lebenszyklus von Darlehen

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Deal negotiation	Funding	Deal Closing	Settlement	Draw down / Cash call	Interest payments	Corporate action	Repayments

Rechtsgültige Vertragstext

Smart Contracts – Zahlungsprozesse, Buchhaltung

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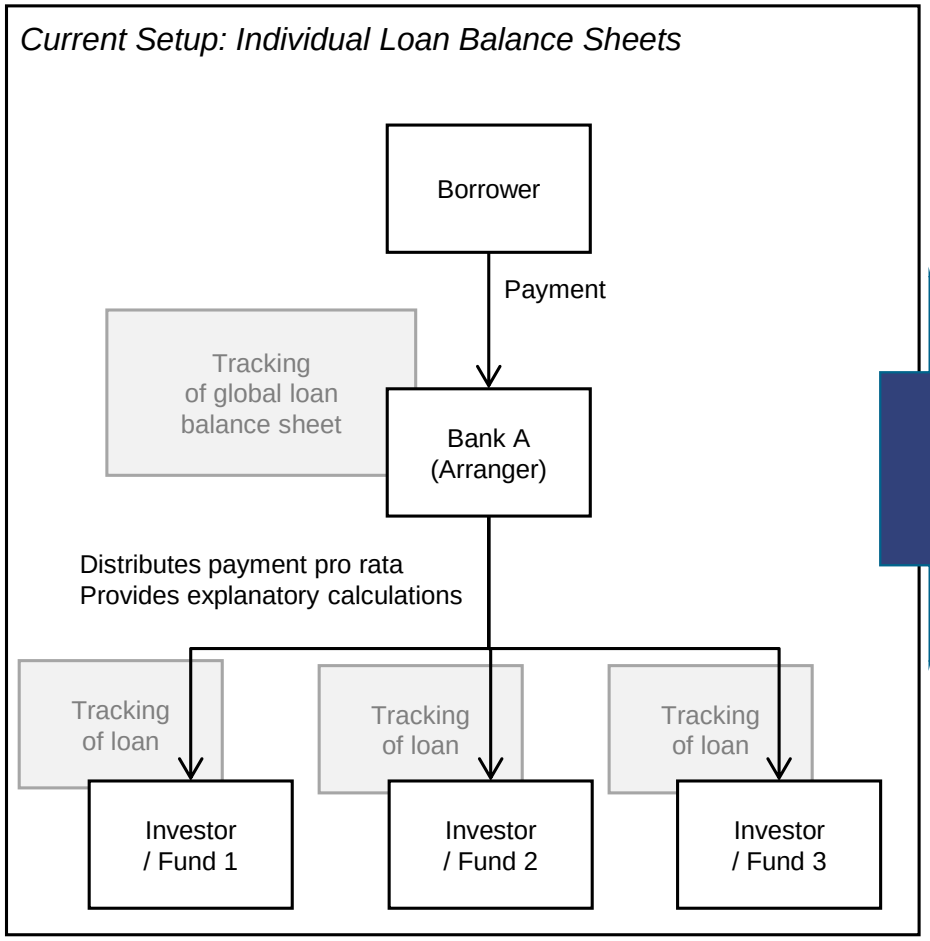
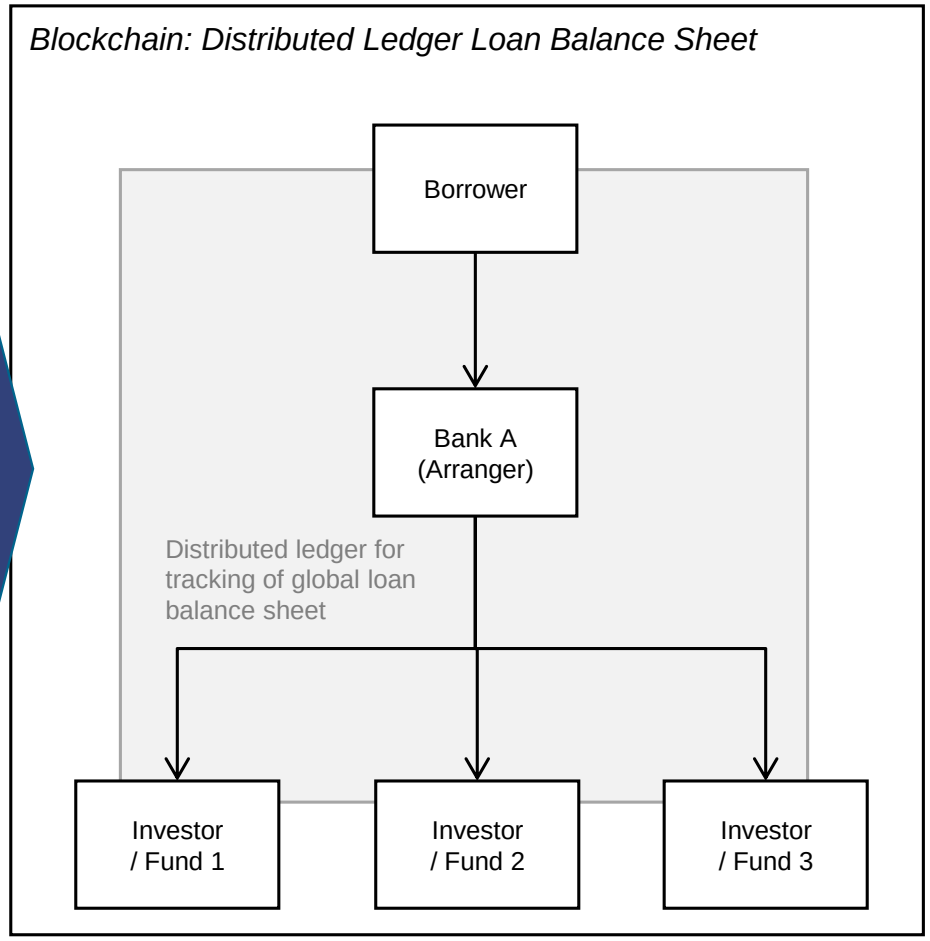
Distributed Ledger-Anwendung für Darlehen





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IoT / Ethereum Summer Camp

IoT // Ethereum Summer Camp

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Facts and Figures

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- 150+ applications
- 84 participants
  - 54 IT developer
  - 30 business developer
- International attendees:
  - USA
  - Russia
  - New Zealand
  - India
  - Netherlands
  - Spain
  - Switzerland
  - Germany
- 20+ presentations and workshops
  - Daimler
  - Commerzbank
  - IOTA
  - ti&m
  - DLT Capital
  - Winheller
- Result
  - 14 Teams with 14 life prototypes

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The process of prototype development

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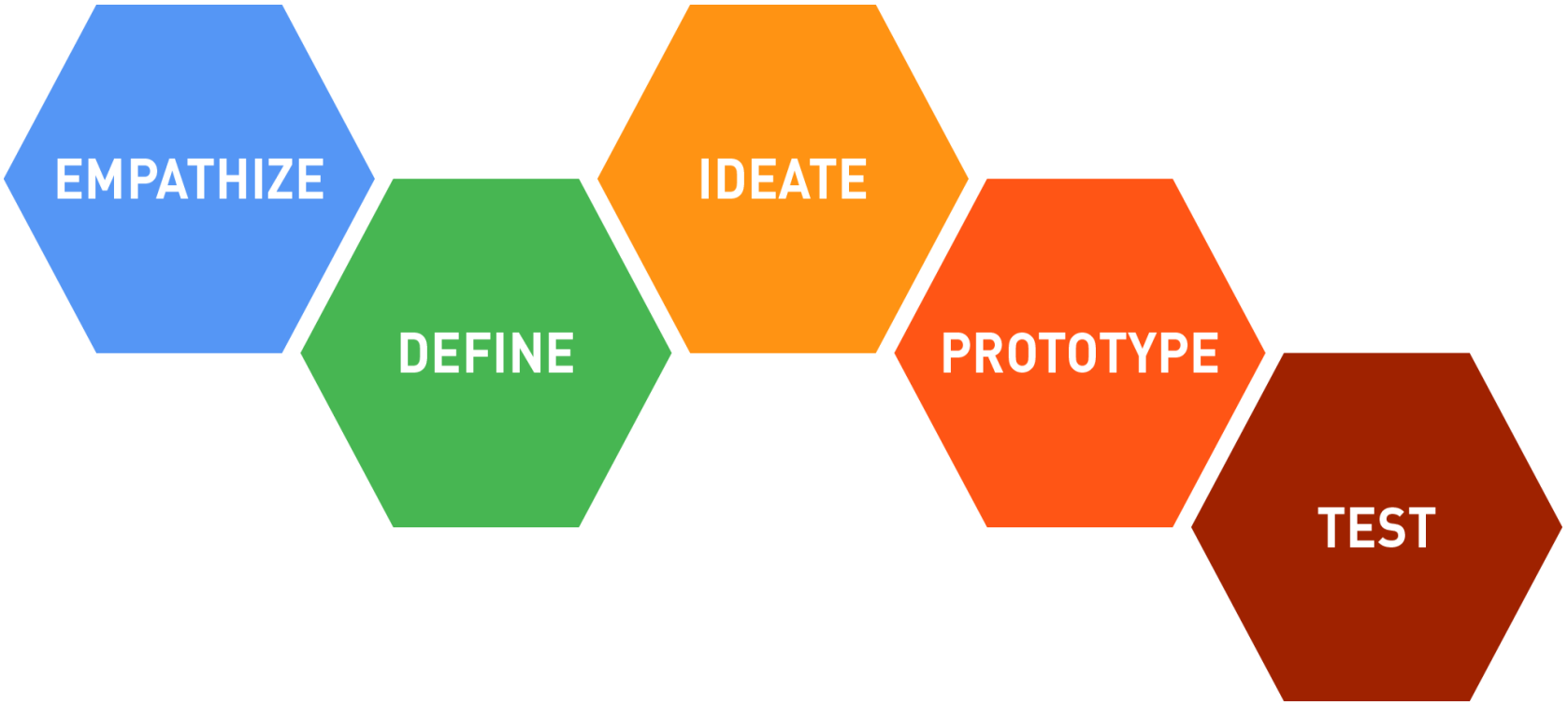
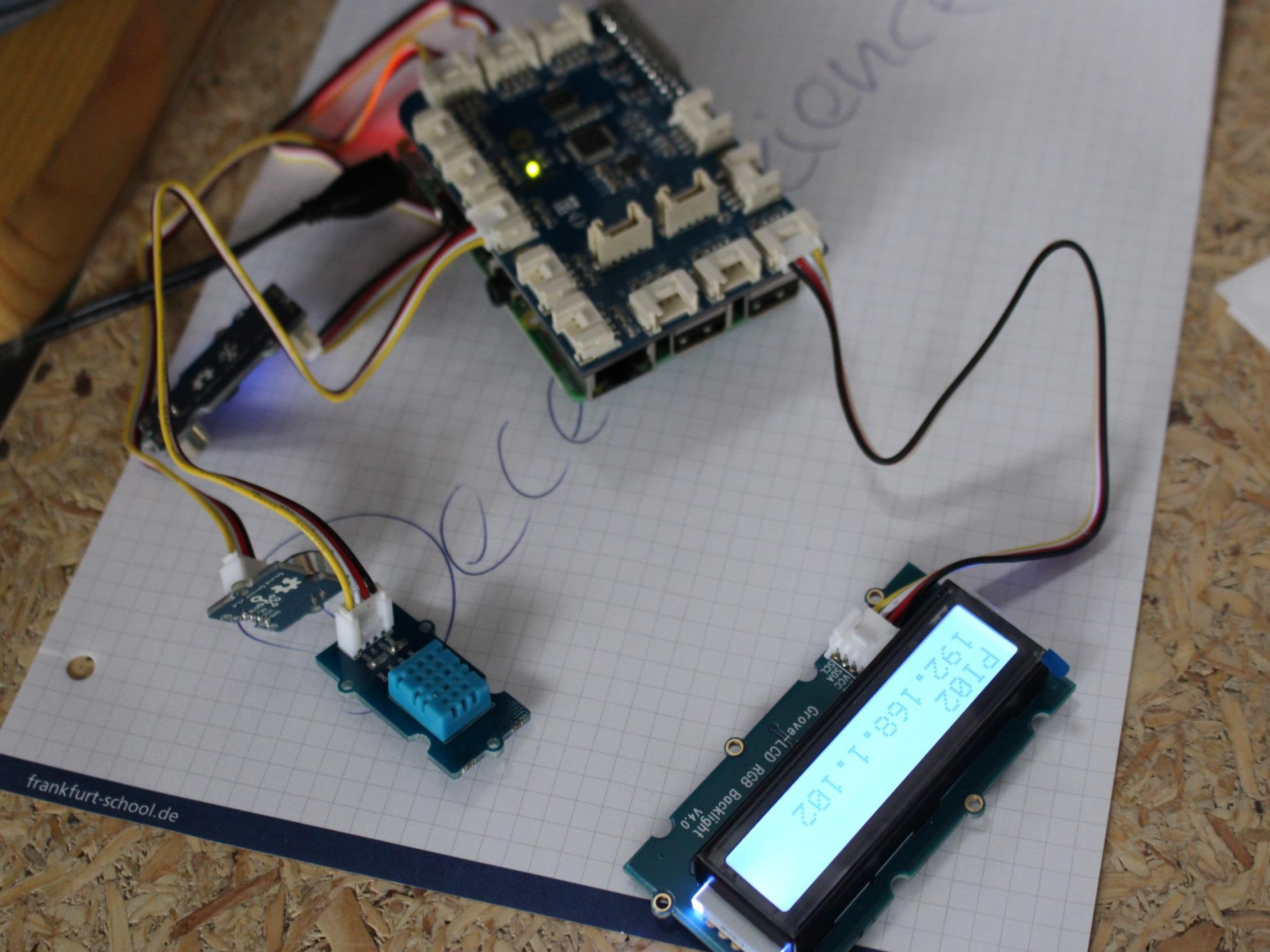


Coca-Cola
GAGGIA

Mercedes-Benz G55 AMG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Grove LCD RGB Backlight
V4.0
VCC
SDA
SCL

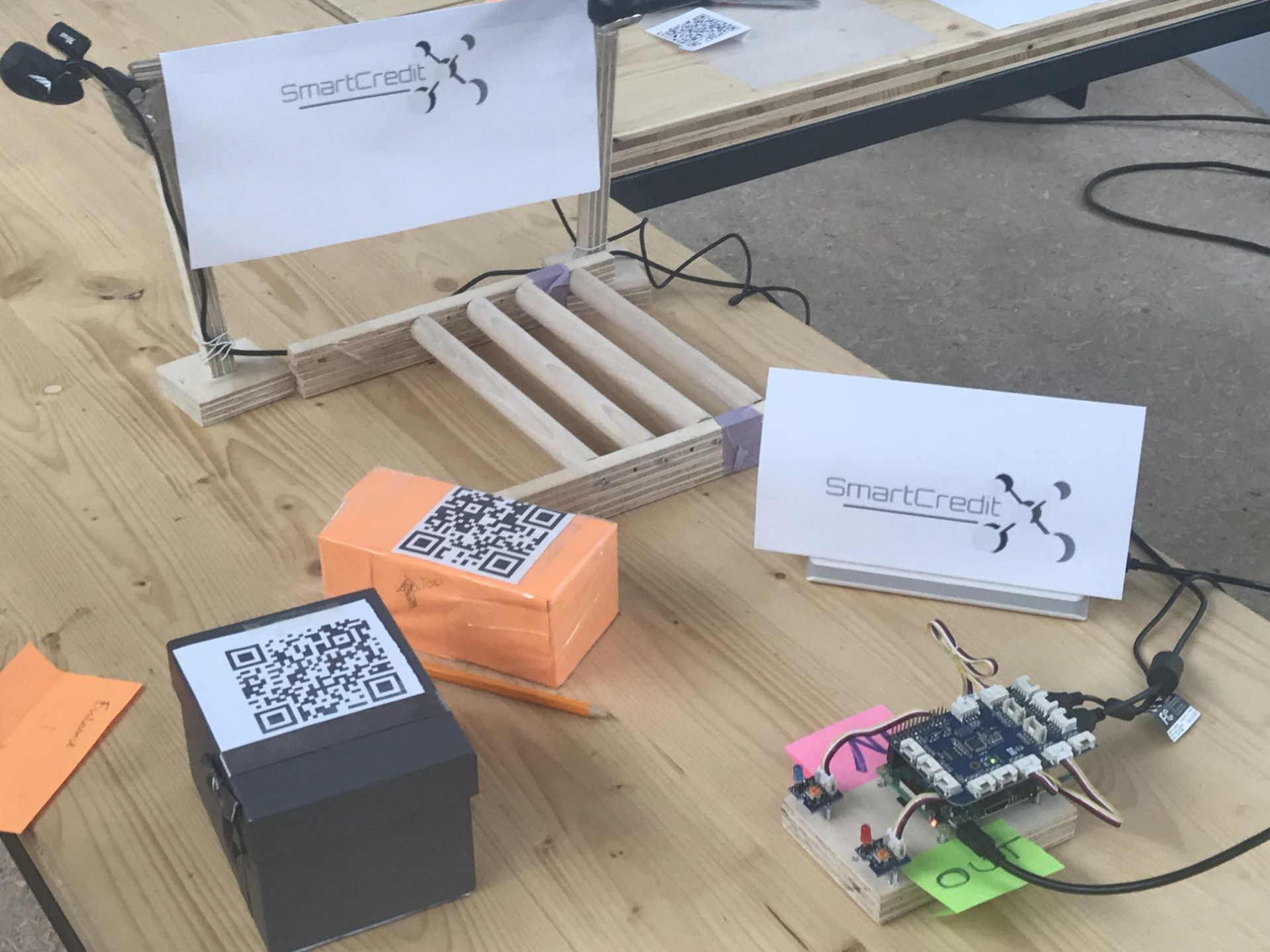
BLOCKCHAIN ON TOUR
DAIMLER TRUCKS
FUSO
BLOCK CHAIN

Results

Loan from smart contract account to company account

Manufacturing

Principal and interest repayment from company account to bank account


SmartCredit
SmartCredit

Blockchain technology can drive „convergence“ such that finance meets everything

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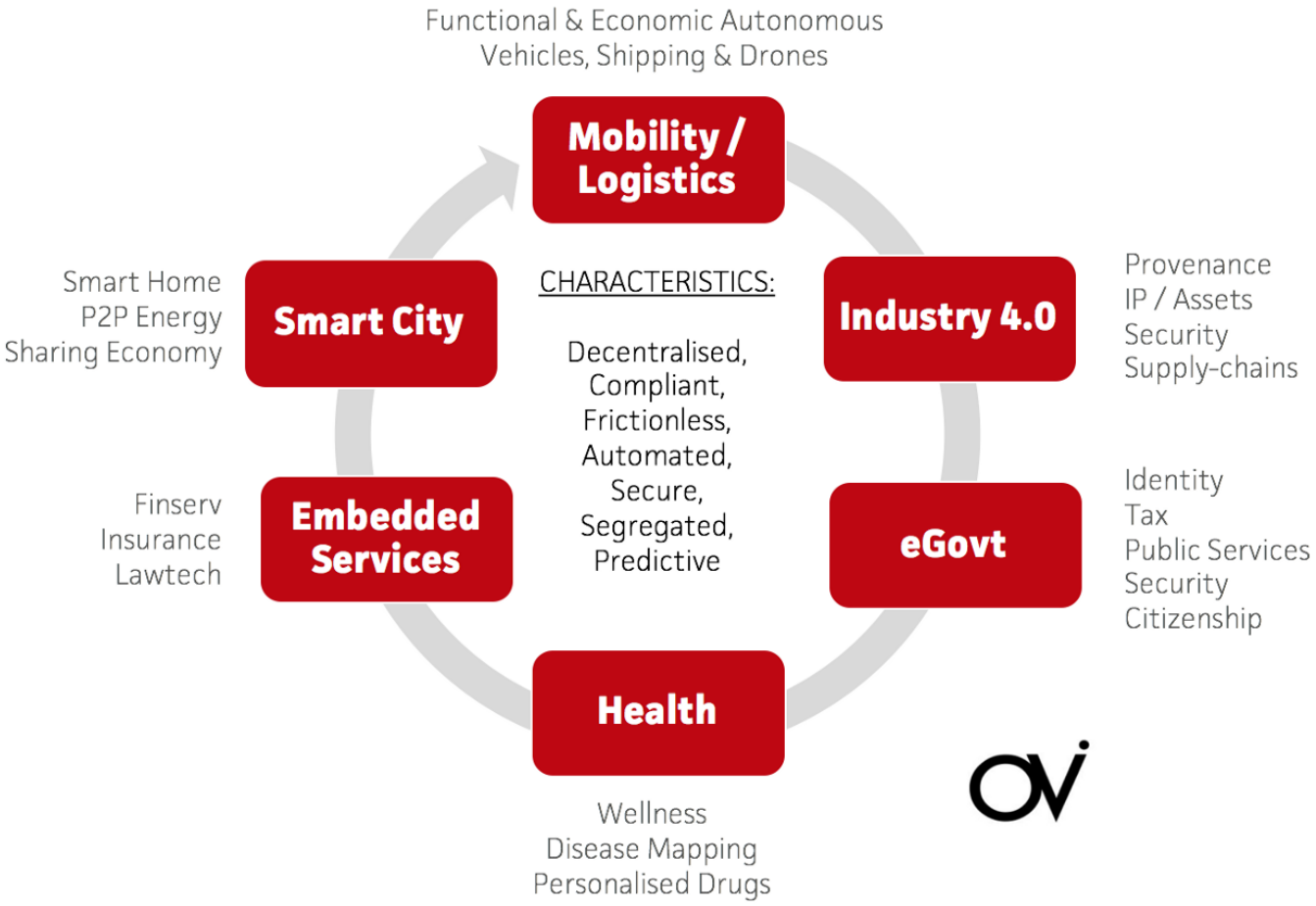

Key learnings

1. Intermediaries need to adjust their business model
2. Blockchain technology is about efficiency (processes, automation) and new business models (integration, micro payments, developing countries)
3. Organizations should learn how to understand, apply and implement this technology
4. Innovation is happening with large companies, startups and virtual currencies
5. Cross-sector approaches required
6. Blockchain technology might not follow the Gartner hype cycle

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JPMorgan's Jamie Dimon:
Bitcoin 'is a fraud'

Contact

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Prof. Dr. Philipp Sandner

Geboren 1980 in Heidelberg
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2000-2005	Studium der BWL an der Universität Mannheim
2001-2004	Mitgründer einer IT-Firma; fokussiert auf die Entwicklung von internetbasierter Software
2005-2009	Wissenschaftlicher Mitarbeiter an der Ludwig-Maximilians-Universität München; Lehrstuhl für Innovation, Technologie und Entrepreneurship
	Auslandsaufenthalte an der Copenhagen Business School und an der University of California at Berkeley
2009	Promotion zum Dr. oec. publ.; Thema: Bewertung von Unternehmen
2010-2015	Mitgründer einer auf Innovationsstrategie, IP und Technologietransfer spezialisierte Unternehmensberatung
2014	Initiator eines Gründungswettbewerbs nach dem Prinzip „Patent sucht Gründer“
2015	Professor an der Frankfurt School of Finance & Management; Themengebiete: Digitalisierung, Entrepreneurship und Innovation;
seit 2017	Leiter des Frankfurt School Blockchain Centers

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