The State of European Fintech

a partnership between:



and







About Finch Capital

Finch Capital is a thematic investor and has built a track record of investing since 2014 in European and South East Asian Financial Technology, AI and IoT companies including Grab, Twisto, Brickblock, Trussle and Hiber.

Finch Capital is a team of 12 investment professionals with a wide entrepreneurial (e.g. Adyen and Arista), investing (e.g. Accel) and industry backgrounds (e.g. Facebook and McKinsey) based out of its offices in Amsterdam, London and Jakarta. For more information see www.finchcapital.com



About Dealroom

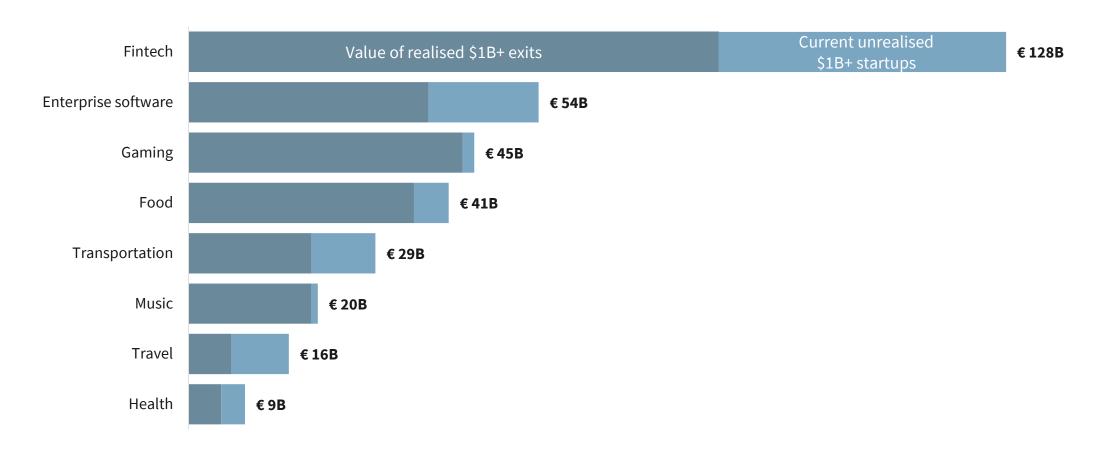
Founded in Amsterdam in 2013, Dealroom is a global database providing analytics, intelligence and insights on startups and venture capital investment. Its software, database and bespoke research enable its clients to stay at the forefront of innovation, discover promising companies and identify strategic opportunities. Among its clients are world-leading consulting firms, investment banks, multinationals, tech firms, venture capital & buyout firms and governments.

- 1. Introduction
- 2. Deep dive into Fintech verticals
 - Banking & Payments
 - Insurtech
 - Proptech
 - Enabling Fintech
- 3. Exit landscape





European Fintech companies have created over 2x more value than any tech sector in Europe, both realised and current pipeline of private startups.

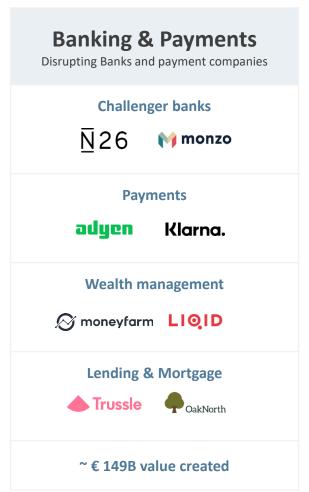


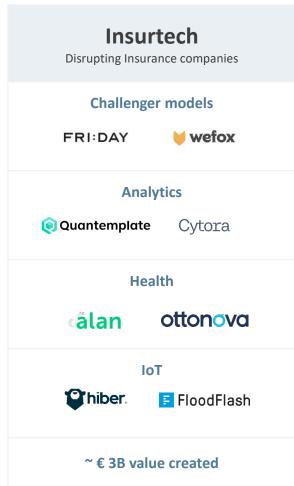
Source: Dealroom.co. Health excludes biotech. Value created since 2013.

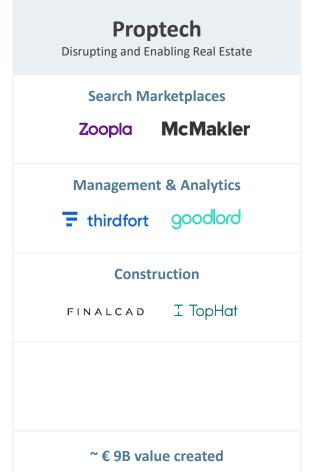


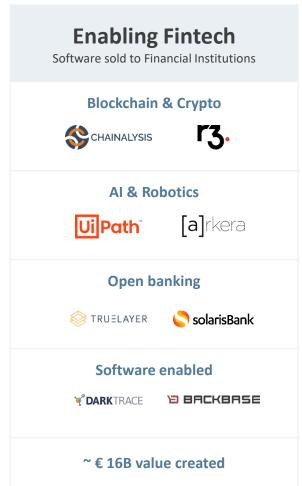


Fintech is ...









Source: Dealroom.co



We're now arguably in the fourth wave of Fintech innovation.

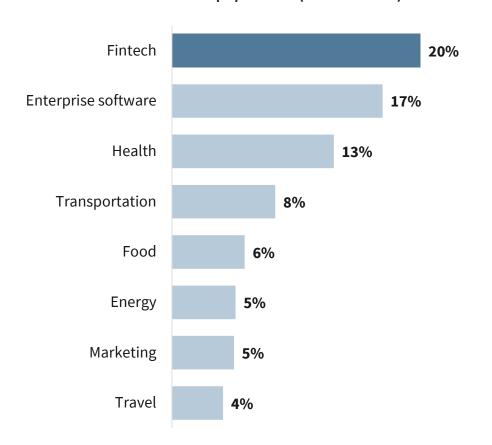
1970-2000	2000-2010	2010-2015	2015-2020
Financial software	E-payments & financial marketplaces	Digital challengers	AI, IoT & Blockchain enablers
allfunds • • • • • • • • • • • • • • • • • • •	IHS Markit iZettle	Revolute Funding Circle	solarisBank Cytora Schainalysis
Fidessa nets:	PAYVISION adyen	7TransferWise QakNorth	TRACTABLE * YAPILY cleo.
			Te:Ceeve Advantage
TransUnion. avaloq	Skrill Klarna.	monese praisin.	skywatch.ai



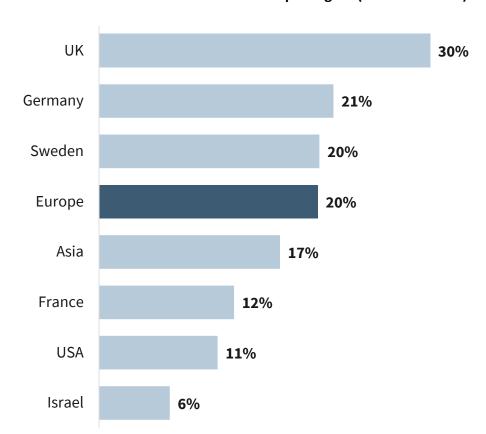


Fintech is Europe's largest venture capital investment category. It receives 20% of all venture capital in Europe: a higher percentage than in Asia & USA.





Share of Fintech in total VC investment per region (2017-2019 YTD)

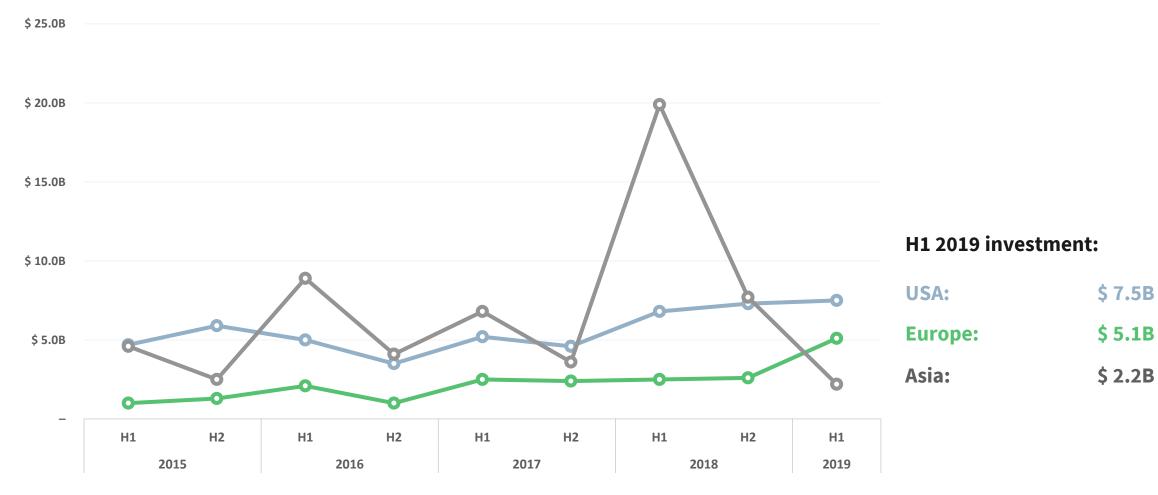


Source: Dealroom.co. Health excludes biotech.





European Fintech investment recently surpassed Asia, and is not that far from USA.



Source: Dealroom.co





After big successes in payments, Europe today has rising stars across nearly any key vertical in Fintech.

Valuation	Banking	Payments	Wealth management	Lending & Mortgage	Insurance	Blockchain	AI
\$1B+	monzo N26 Revolut METRO BANK OVOIOQ Numbrs DEPOSIT SOLUTIONS	## Right Ri	eFront allfunds eToro ion Fyz Plus500 Alfa	OakNorth Greensill TransUnion Lendo Money Super Market	esure	ä BITFURY	Ui Path
\$250-1B	Atombank solarisBank Starling Bank monese kreditech bynk.	Trustly heidelpay OWN GOCARDLESS S S O L D O CURVE Currencycloud	TRADEPLUSE Oraisin. © moneyfarm LIQID Scalable	Nordax Bank N Codle Z O P A FINANZCHECK.DE Plendify Funding Circle Rate%Setter Smava	SB Simply Wefox Primalit SBIMA Calan FRI:DAY	∴ Ledger SEBA Nexo SAGA SETL	TAIGER OMNI:US
\$100-250M		BILLIE Rapyd TransferMate GLEGAL PARMENTS	M@ONFARE capital-com	younited credit.	ZEGO Cytora	** BLOCKCHAIN	Comply Advantage DUCO
\$0-100M	tink (tide Aprilabank bud. 10× PENTA Clear.Bank lunar way.	Slim Pay PAYSEND MIURA kantox T twisto divido fourthline Modult A Lydia	Galastone LAFINBOX goji DiBanFirst TRADEIX netwealth elinvar ODelio	Trussle auxmoney Trussle auxmoney molo molo	DIGITAL Getsafe Simplesurance Particle Simplesurance Simplesurance Particle Simplesurance AZUR getsafe Ottonova Simplesurance YUlife Hedvig +Simplesurance anorak	DBitwala ○ Gem Fractal © everledger NEUFUND	Thought Machine FRISS FRISS FRISS OPENGAMMA NORDIGEN BLECKWEN PAYLEAD





Top seed stage investors in Fintech – League Table

Banking & Payments				
Investor	# Companies	Notable investments		
Seedcamp	31	Curve, Elliptic, Revolut		
Si Speedinvest	26	Candis, Pleo, TaxScouts		
GFC	24	Knoma, Anyfin, Billie		
kima ventures	22	Emma app, Shine, Spendesk		
LOCALGLOBE	16	Cleo Al, Tide, Yapily		
e-ii	13	Donut, Multiply.ai, Prime Factor Capital		
$\frac{NFT}{\text{ventures}}$	13	Bean, Credit Kudos, Capcito		
anthemis group	p 12	Goin, Unmortgage, ABAKA		
Point Nine THE ANGEL VC	11	Candis, Finiata, Revolut		
passion capital	10	Monzo, Tide, Lendable		

Insurtech				
Investor	# Companies	Notable investments		
anthemis group	6	yulife, Flock, Quantemplate		
INSURTECH GATE WAY	5	Humn.ai, FloodFlash, By Miles		
LONDON CO-INVESTMENT FUND	4	Flock, Digital Risks, By Miles		
Seedcamp	4	wefox, Digital Risks, Cuvva		
InsurTech.vc	4	Neos, Sherpa, RightIndem		
LOCALGLOBE	4	yulife, Cuvva, Zego		
GFC	3	Insurami, SingularCover, Getsafe		
Θπ	3	Insurami, Popsure, Brolly		
atlantic labs	2	Vantik, dentolo,		
Downing	1	Flock		

Proptech					
Investor	# Companies	Notable investments			
pi labs	17	Realyse, Appraised, YourWelcome			
Seedcamp	10	emoov, Trussle, Acasa			
GFC	8	Goodlord, Homebell, Nested			
PICUS Capital	7	Casavo, Homebell, Proprioo			
High-Tech Gründerfonds	5	casavi, InReal Technologies, Dotscene			
LOCALGLOBE	5	Residently, Goodlord, Trussle			
еп	3	NPlan			
LCIF CO-INVESTMENT FUND	3	Hubble HQ, Keypla, NPlan			
rockstart.	3	Airsquire, Deskbookers, Finch Buildings			
>_ EARLYBIRD	2	tapu.com, Metrekare,			

Source: Dealroom.co. Includes seed investments in European startups since 2013. Excludes double counts and follow on rounds.

Underlying data: Fintech investors league table





Top Fintech investors in Series A/B – League Table

Banking & Payments				
Investor	# Companies	Notable investments		
FINCH CAPITAL	18	Twisto, BUX, Fourthline		
Index Ventures	12	Revolut, Raisin, Spendesk		
anthemis group	12	Monese, TrueLayer, Fluidly		
Balderton.	10	GoCardless, Nutmeg, Cleo Al		
ACCEL	9	WorldRemit, GoCardless, Soldo		
HV VENTURES	9	BUX, Lendico, Scalable Capital		
>_ EARLYBIRD	7	Bitwala, smava, Traxpay		
GFC	7	lwoca, Kreditech, Tink		
CREANDUM	6	Billie, Tide, Pleo		
DN Capital [®]	6	Raisin, Sonovate, VouchedFor		

Insurtech				
Investor	# Companies	Notable investments		
FINCH CAPITAL	4	Digital Insurance Group, Salviol, Fixico		
anthemis group	3	Omni:us, Qover, Simple.fr		
TARGET	3	Omni:us, wefox, Zego		
octopus ventures	3	Bought by Many, By Miles, DeadHappy		
Munich RE	2	Bought by Many, Neos		
CommerzVentures 🔷	2	Bought by Many, GetSafe		
b to v	2	GetSafe, Ottonova		
ACCEL	1	Shift Technology		
Index Ventures	1	Alan		
Balderton.	1	Zego		

Proptech				
Investor	# Companies	Notable investments		
atomico°	4	Lendinvest, Habito, Spacemaker AI		
idinvest Partners	4	Allthings, Papernext, Colonies		
FINCH CAPITAL	4	Goodlord, Trussle, Ikbenfrits		
DN Capital [*]	3	HomeToGo, Housfy, McMakler		
TARGET GLOBAL	3	Nestpick, McMakler, Badi		
Balderton.	2	Appear Here, Rentify		
>_ EARLYBIRD	2	Allthings, Apsiyon		
GFC	2	HAUSGOLD, OpenRent		
Index Ventures	2	Flatfair, GeoPhy		
octopus ventures	2	Appear Here, The Plum Guide		

Source: Dealroom.co. Includes series A/B investments in European startups since 2013 where the investor didn't invest in seed rounds. Excludes double counts and follow on rounds.

Underlying data: Fintech investors league table





Top Fintech investors in Late stage – League Table

Banking & Payments				
Investor	# Companies	Notable investments		
Goldman Sachs	6	Raisin, Nutmeg, beqom		
<u>Aug</u> ment um	5	Zopa, iwoca, Duedil		
>€ Droper Esprit	5	Revolut, Crowdcube, Miura Systems		
INSIGHT - PAKINERS -	4	N26, Tink, Fenegro		
IVP	3	UiPath, Klarna, Transferwise		

Insurtech				
Investor	# Companies	Notable investments		
Allianz 🗶	2	Simplesurance, Bima		
Rakuten	2	Simplesurance, PremFina		
BESSEMER VENTURE PARTNERS	1	Shift Technology		
>€ Droper Esprit	1	PremFina		
🍞 Talis Capital	1	PremFina		

Proptech					
Investor	# Companies	Notable investments			
<u>Aug</u> ment um	1	Habito			
> € Droper Esprit	1	Finalcad			
Goldman Sachs	1	TopHat			
IGP/ISRAEL GROWTH PARTNERS	1	McMakler			
Northzone	1	Nested			

Source: Dealroom.co. Includes series C investments onwards in European startups since 2013 where the investor didn't invest in Series A/B. Excludes double counts and follow on rounds.

Underlying data: Fintech investors league table



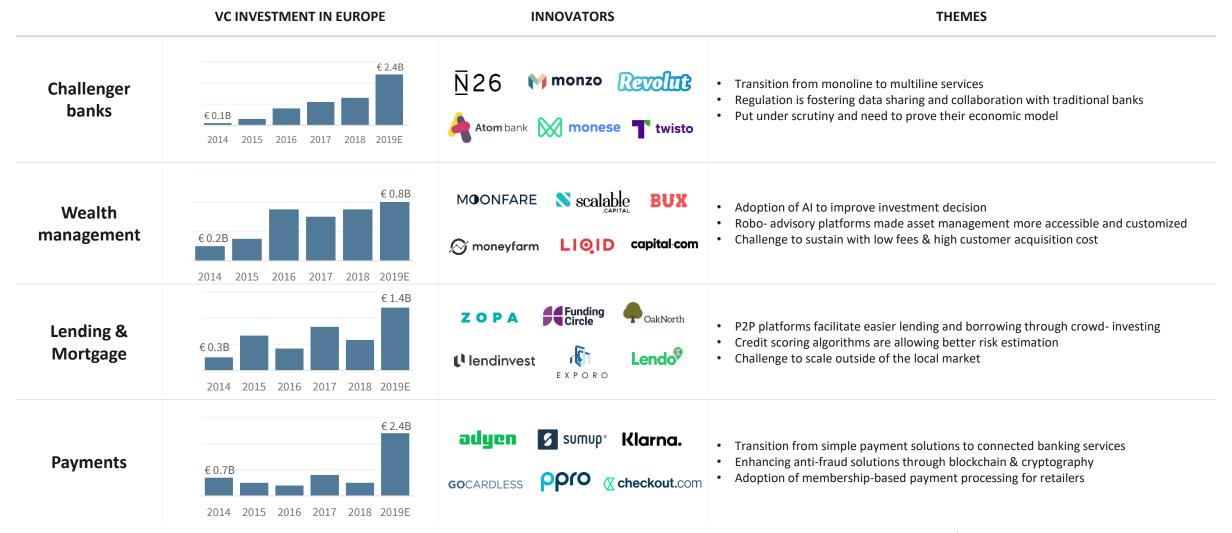
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Key trends and innovators: Banking & payments







Challenger banks: significant differences in terms of growth strategies.

Selected European challenger banks (B2C)

	<u>N</u> 26	⋈ monzo	Revolut	T twisto	lunar way [°]	Other selected names Atom bank
Last valuation	€3.2B Jul 2019	€2.2B Jun 2019	€1.5B Apr 2018	~ €100M Sep 2015	~ €156M Aug 2019	bynk.
Total equity funding	€621M	€390M	€309M	€21M	€48M	bunq
Age & Location	6 years (Germany)	4 years (UK)	4 years (UK)	6 years (Czechia)	4 years (Denmark)	J./J./
Number of customers	3.5M	2M	6M	0.6M	0.1M- 0.2M	monese
Geo focus	Europe, expanding to US and Brazil	Europe, expanding to US	Europe, expanding to US	Czechia, Poland, expanding to Central and Eastern Europe	Nordics	TANDEM
Next pillars	Insurance	Savings account	Stock and crypto trading	Debit cards	Insurance, loans, multi- currency cards	knab





SME & Business banks are initially targeting startups & gig economy-workers.

Selected European challenger banks (B2B)

	STARLING BANK	× qonto	♣ aprilabank	PENTA	Shine	Other selected names
Last valuation	~ €500M Feb 2019	~ €120M Sep 2018	~ €101M Jan 2018	~ €48M Aug 2019	~ €48M Sep 2018	Otide
Total equity funding	€280M	€32M	€19M	€17M	€11M	Coconut.
Age & Location	5 years (UK)	3 years (France)	3 years (Norway)	3 years (Germany)	2 years (France)	CO Kontist
Number of customers	0.5M	50K	~ 400	7.5K	25K	RedwoodBank.
Geo focus	UK, expanding to rest of Europe	France, Germany, Italy, Spain	Norway	Germany	France	ANNA H
Product features	API for accountingDeposit protection	- Bookkeeping - Team collaboration	InvoicingDeposits	- Current account - Spend management	InsuranceAccountingInvoicing	hufsy HOLVI
Business focus	B2B, B2C	B2B	B2B, B2C	B2B	B2B	Countingup





Wealth management startups: most are using algorithms to help in investment decisions, or shifting into fully automated management.





Investment decisions and portfolio rebalancing are based on algorithms which follow pre-defined investment strategies. However, final oversight is provided by professional fund managers.

Sophisticated risk management lead to direct investments via self-learning artificial intelligence (AI) algorithms. Robo-advisors monitor and adjust single client portfolios in real time to keep on track with their selected investment strategy.































Wealth management: Robo- advisory & blockchain made asset management more accessible: example of Scalable Capital and Brickblock's ScalingFunds.



Digital asset manager. It uses proprietary software to offer portfolios which are optimised with a primary focus on risk management

• Founding year: 2014

• Investors: HV, BlackRock, TEV and others

Milestone: €1bn in Assets Under Management

• Partnerships: Futurae, ING, BlackRock, Siemens private finance...

• Value proposition: Low fees, Risk management technology, Global Assets Classes, Advice on Request.





Funds-as-a-service technology platform that provides fund managers with blockchain-based investment solutions

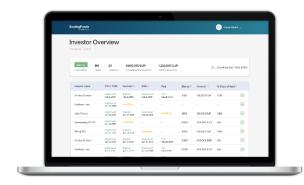
• Founding year: 2016

Investors: Finch capital

Milestone: 'Tokenisation' of the first property in Europe

Partnerships: Peakside Capital, JTC, SolarisBank...

• Value proposition: Low fees , access to a new asset class through real estate tokenisation.





Oraisin.	Raisin *SuperTeam Pan-European marketplace for sa	fintech investing	B2B B2C commission marketplace
n	Nutmeg *Strong Team The smart, secure and straightfor	fintech investing	B2C commission
8	MoneyFarm *StrongTeam Helps individuals invest and mana	fintech investing financial management s	B2C commission subscription





As interest rates are low in western Europe, marketplaces like Raisin enable consumers to place cross-border savings in other attractive regions in the continent.



· Pan-European marketplace for savings.

Founding year: 2013

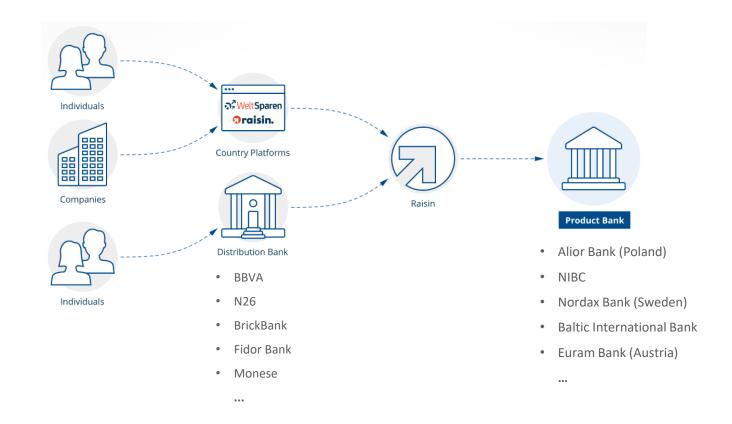
Employees: 200+

• Total funding: €200M

• Investors: Index, Goldman Sachs, Paypal, Orange and others

Milestone: €15.5bn in Assets invested, 195,000+ customers

• Partnerships: 80+ partner banks



Source: Raisin official website





After SME and consumer loans, the lending wave has now arrived at mortgages.

\$1B+ valuation	Money Super Market		OakNorth	
\$500M-1B	Lendo Verivox			
\$100-500M	TotallyMoney MoneyExpert Wertagensin fine vertagenere, sind salestate Carle it	Z O P A Smava Rate%Setter	Funding circle coctober	↓ lendinvest
\$0-100M	FINANZ CHEF24 Compriser BeyondComparison	finanzen.de Anyfin	SIMPLE CRXMARKETS	HABITO Trussle INSTRIDEUP Ikbenfrits.nl Online hypotheken
	Price comparison	Lending to consumers	Lending to businesses	Mortgages





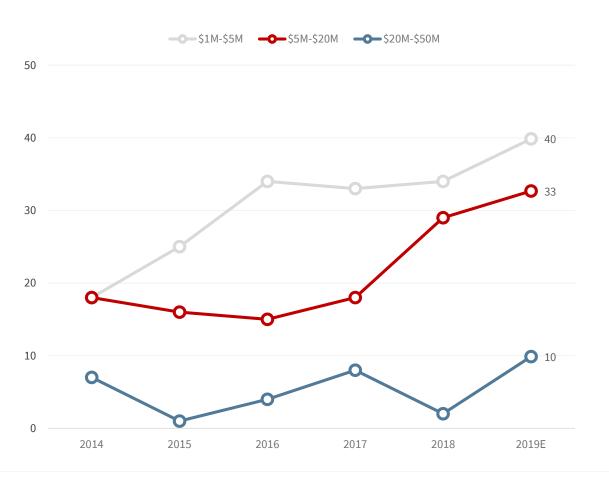
The payments landscape is consolidating into full-stack service providers, point-of-sale and remittance.

\$10B+ Valuation	wirecard	⊚ world pay	adyen					
\$1B+		out.com K	Klarna. Skrill	s umup°	iZettle	bambora	⁷ Transfer	-Wise WorldRemit
\$500M-1B	Trustly Rapyd	heidelpay QIWI WALLET	◆ VOCALINK payvision ▼ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓					
\$100-500M	BILLIE	ppro mollie	© CURVE GO CARDLESS	payworks wynd		• boku 9 enfore	AZIM Transfer	Common and and
\$0-100M	Slim Pay Modulr	fourthline	Lydia Eligma	order bird.	SWOOPE MIURA	Sitoo *	PAYSEND transfer Go	kantox currencyfair A D H A R A WeSwap
	Payment services			Poi	nt-of-S	ale	R	emittance



Growth in payments is in CEE and in parts of value chain tackling inefficiencies.

Early stage funding activity in payments - Europe



Notable early stage rounds in 2019 - Central & Eastern Europe

	COMPANY	LOCATION	ROUND	
T	Twisto Payments Financing solutions by non-traditional data and machine learning.	Czech Republic	€14M SERIES B (May'19)	
Eligma	Eligma Blockchain technology for crypto payment networks.	Slovenia	€4M EARLY VC (Sep '19)	
SYMPHOPAY	SymphoPay Transforming the POS devices from simple card readers to smart marketing machines.	Romania	€0.6M SEED (Mar'19)	



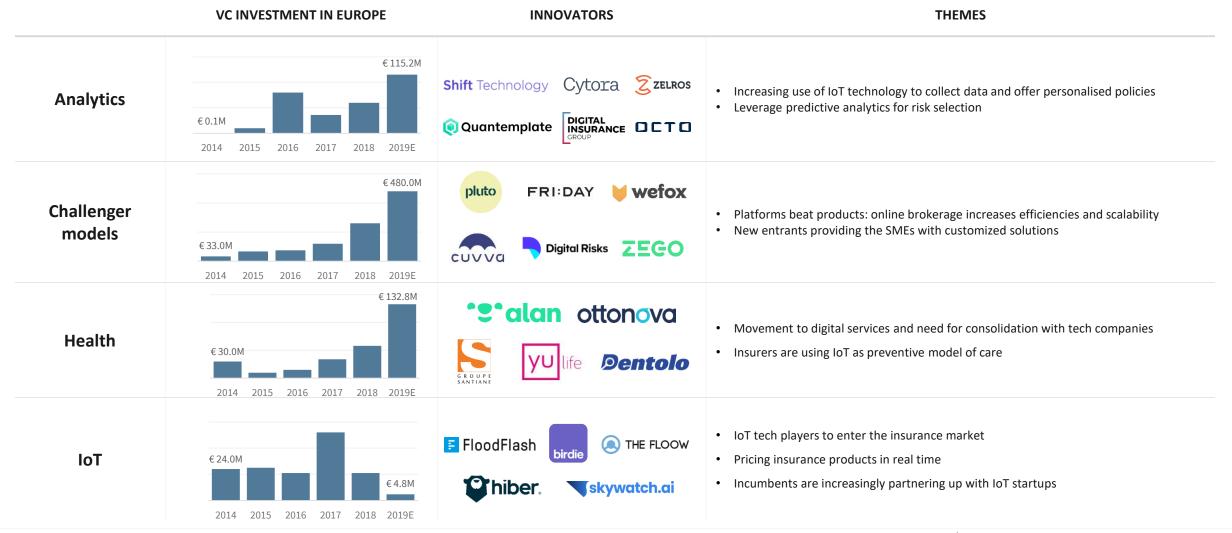


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Key trends and innovators: Insurtech





With IoT, insurers can capture real-time data, that's exponentially growing, enabling them to price insurance products in real-time.

Telematics

Data collection

Pricing & underwriting

Digital engagement













Smart home

Claims prevention

Claims management

Digital engagement

















Connected health

Pricing & underwriting

Claims management

Digital engagement













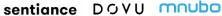


Others

Data analytics

Industrial IoT















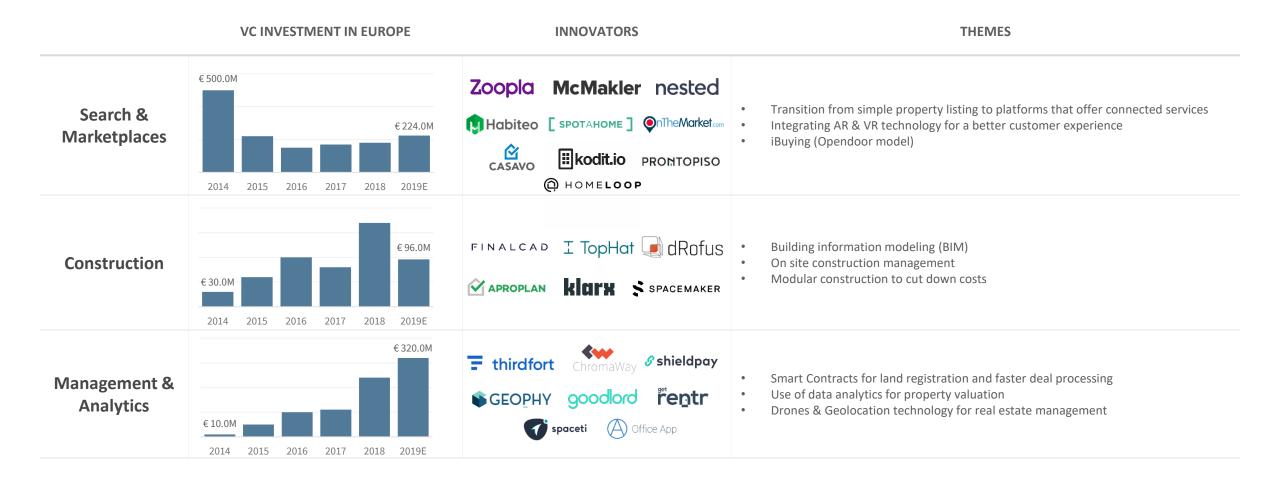








Key trends and innovators: Proptech







The evolution of Proptech: from search portals to management and planning.

Proptech 1.0

Online property listings and marketplaces
Online real estate agents and advisors



idealista.com







Proptech 2.0

Property valuations based on data analytics

Management and real estate investment tools

3D architecture and engineering modelling



Proptech 3.0

Mixed reality technologies

Blockchain for smart contracts and

transaction processing





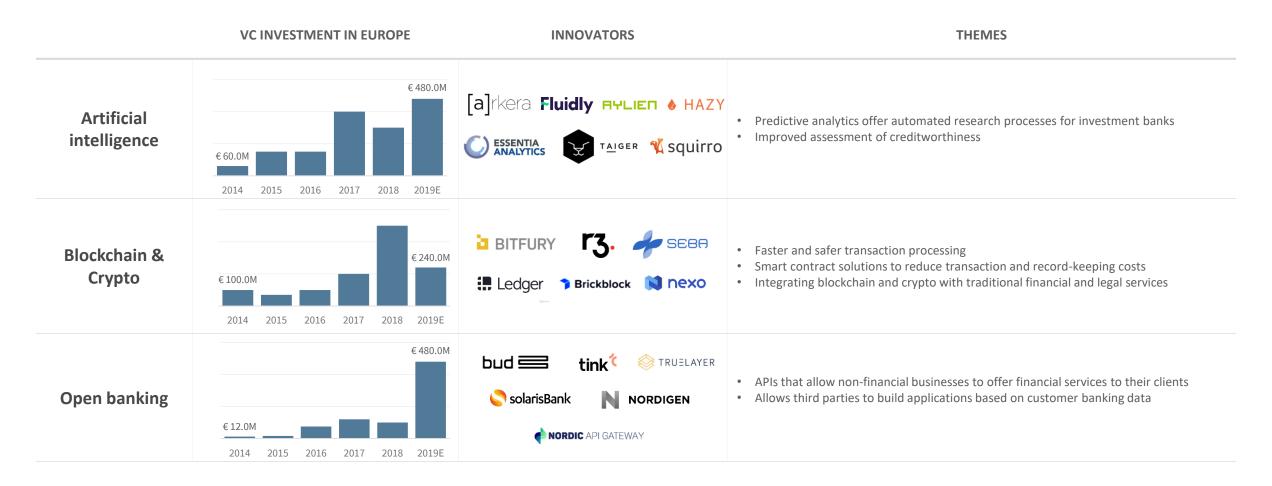


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Key trends and innovators: Enabling Fintech





\$1 trillion in cost reduction through AI implementations by 2030 (1) ... impacting financial firms' front, middle and back office activities.

Front office

Chatbots, Assistants, Authentication and Biometrics

Potential cost savings: \$490 billion

Middle Office

Monitoring, Anti-fraud & Risk, Legal and Compliance

Potential cost savings: \$350 billion

Back office

Credit, Insurance, Investment, Contracting

Potential cost savings: \$200 billion



Al-driven solution for CRM

Total funding: €10.7M Valuation: ~€55M Revenue 2018: N/A Launch year: 2012



Insurance claims fraud detection

Total funding: €89.2M Valuation: ~€318M Revenue 2018: N/A Launch year: 2013



Robotic process automation

Total funding: €887M Valuation: €6.4B Revenue 2018: \$100M Launch year: 2005













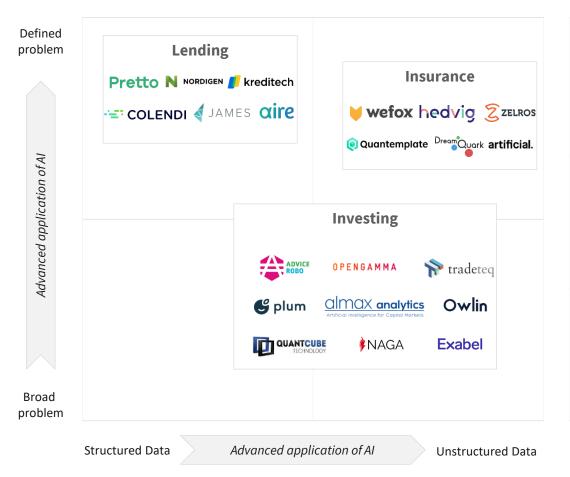


(1) Autonomous NEXT: Augmented finance and machine intelligence report 2018





All is most powerful for financial products where data is unstructured, but the goals are narrowly defined.



Lending	aire	 Artificial intelligence for credit scoring Uses: machine learning, NLP Backed by: Orange Digital Ventures, SparkLabs Global Ventures, Heartcore Capital, White Star Capital, and others Last funding: \$11M Series B, May 2019
Investing	[a]rkera	 Alternative data insights from RSS feeds, social media and custom content Uses: deep learning, NLP, NER Backed by: Henry Ritchotte, XTX Markets, Alan Howard Last funding: £4M Series A, Apr 2018
Insurance	T <u>AI</u> GER	 Banking, insurance and government automation and data extraction solutions Uses: robotic process automation Backed by: SGInnovate, Tembusu Partners, Eurostars Last funding: \$25M Series B, Jul 2019

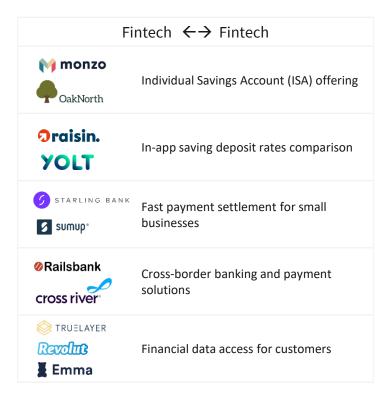




Open banking & APIs continue to pick up speed, particularly in instant payments, peer-to-peer lending, and credit scoring.

Open banking & API-based Collaborations in 2019

APIs & Open banking



Fin	Fintech $\leftarrow \rightarrow$ Incumbent				
tink ^{*(} A NatWest	In-app personal finance insights based on transaction history				
graisin.	Access to higher interest rate saving accounts offering				
NORDIC API GATEWAY	Mobile app banking account aggregation				
CASTLIGHT HSBC	Categorisation-as-a-service engine for lending and underwriting				
bud = Goldman Sachs	Account spending analysis app				
Open\\'rks	Product development for charities to support financial wellbeing				

	Fintech ← → Non-Banks				
TRUELAYER goodlord	Financial situation assessment for tenants (2018)				
token	Direct payments and data aggregation				
⊘ token ⊘ mashroom	Direct payments and data aggregation				
«epiphany	PSD2 compliance and banking solutions				





Traditional banks are mostly absent from big fintech acquisitions. The most viable paths to exit are IPO, sale to fintech, and private equity.

IPOs: \$40B since 2013



Sale to other Fintech company: \$34B



Sale to private equity: \$18B



Sale to financial institutions: \$4B

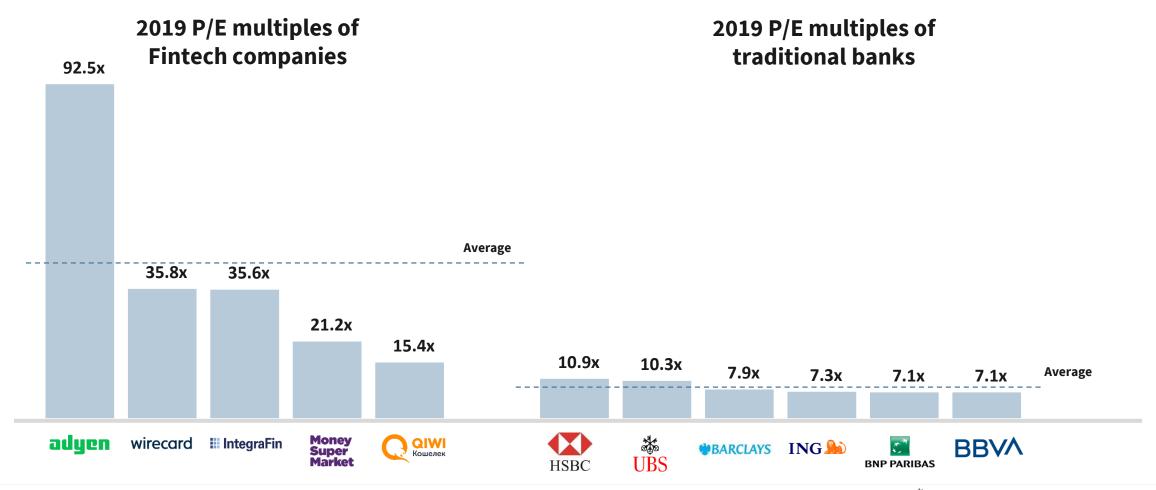


Note: since 2013 Source: Dealroom





Traditional banks are not able to acquire their way into Fintech: they do not have the mandate as their valuation multiples are too low and synergies are likely limited.







But financial institutions and other corporates are more involved via partnerships or by investing in minority stakes.

Top corporates by # of investments in Fintech startups

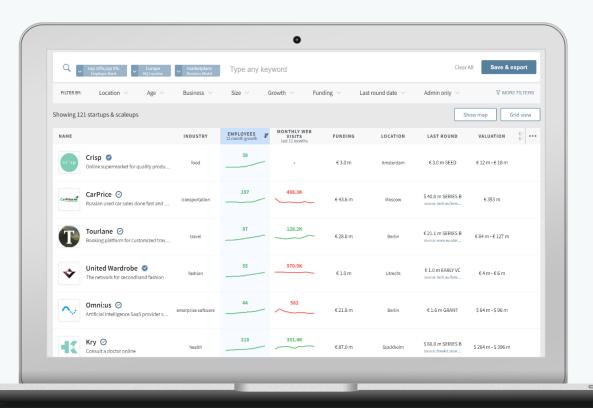
COMPANY	TYPE	SELECTED INVESTMENTS		ACQUISITIONS		
ING Ventures	Bank	📅 fintonic	TransferMate GLOBAL PAYMENTS	oo payconiq	C LENDICO	payvision V V(€360M)
Credit Mutuel	Bank	younited credit.	3 YOMONI	(b) budgetinsight		-
Orange	Corporate	⋈ monzo	araisin.	. wynd ⊓		tico money
BBVA	Bank	Atom bank	snw nb.	SolarisBank	C	HOLVI
ABN AMRO	Bank	оскто	χ≡crosslend	tink [*]		-
Axel Springer	Corporate	<u>N</u> 26	CLARK	nextmarkets		-
Santander	Bank	iZettle	MARKETINVOICE	ELLIPTIC	A	lbert
Allianz X	Insurance	<u></u> <u>N</u> 26	⊘ moneyfarm	y october	finá	nzen.de
BNP Paribas	Bank	**TRADEIX	∞ ulule	G FAMOCO	- NICKEL	GAMBIT
AXA Insurance Group	Insurance	ZEITGOLD.	goji	FundShop		-
AEGON	Insurance	⊿ fairr.de	NIVAURA	Jøgo	c•f	unds (€164M)

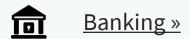




Data & intelligence on the world's most promising companies for venture capital funds, corporates and governments.

























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