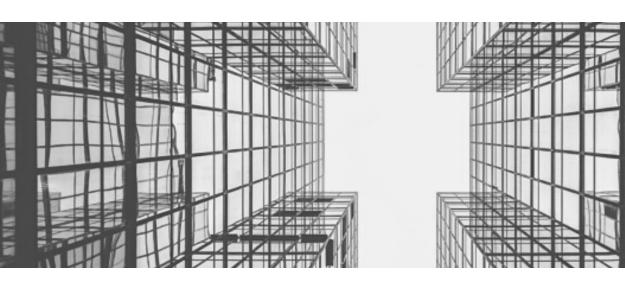
NOVEMBER 2021

Crypto Media Analysis Report

How cryptocurrencies are disrupting the current banking system in EMEA?



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About the Global Media Intelligence Alliance

The six leading media intelligence providers who form the GMI alliance coordinate their forces to monitor and analyse both traditional and social media across 20 countries in order to deliver international services to (domestic) clients whilst maintaining the highest standards. They are). Auxipress (Belgium), Rebold (Spain), L'Eco della Stampa (Italy), Pressdata (UK), Ornico (South Africa), and press relations (Germany) coordinate their forces to cover traditional and social media sources in over 20 countries to provide customers with an international coverage while maintaining the highest of standards.

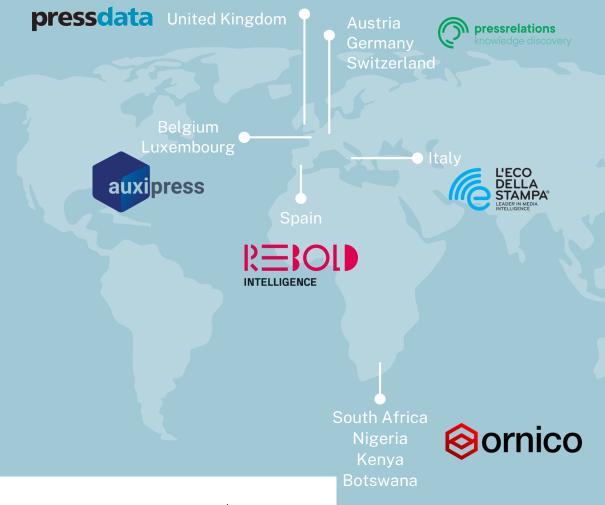
Our Philosophy Towards Better Measurement

Our members meet regularly to strategize, enhance and invest in new technologies to ensure the highest standard of media monitoring and measurement/analysis. For brands and agencies, we provide all the services that marketing and PR/communication professionals need to ensure brand success across the EMEA region.

Media Intelligence Across EMEA

Together, GMI covers a multitude of countries, allowing clients to benefit from our collective international experience and expertise in delivering insight across all media markets. We're pioneering – dedicated to innovation and an excellent client experience

so our clients can benefit from our collective international experience. We are responding to the shifting demands in communication and marketing departments which demand a global perspective and are prepared and set up for future developments in our industry!



The Importance of Monitoring Crypto

The banking and financial services sectors are being disrupted in a way that creates opportunities but also threats

The aim of this report is to illustrate the importance of monitoring and understanding the media discussion around cryptocurrencies and to present a comparison with traditional financial institutions in EMEA.

Crypto assets were created as an alternative to traditional banking infrastructure in order to replace the intermediary role that banks currently play. The success of the blockchain, the technology backing the crypto assets is widely considered to be successful, making use of smart contracts, AML/KYC, and even as an investment vehicle, thus becoming an imminent threat to traditional banking institutions and even challenger banks.

Just as with any new entrant in a market, accurate monitoring of the performance of those crypto assets can benefit traditional institutions in a number of ways:

First of all, controlling the narrative; although crypto-assets are widely popular, there is a very real danger of digital wallets getting hacked.

Understanding the potential negative aspects of crypto and identifying trends through traditional and social listening, is key for communication professionals. It will help them to focus their efforts and adapt their campaigns in order to better position themselves in this undoubtedly changing environment.

Furthermore, gaining a true understanding of the sentiment around each crypto asset, and why customers choose to adopt and support certain initiatives that are detrimental to banks and financial institutions is key. Access to this sort of insight can help financial institutions diversify and adapt their products. Digital banks certainly posed a threat to traditional banks and financial institutions, but at nothing like the 'extinction' level of that posed by crypto assets, whose performance has totally exceeded that of stocks and ETFs; the 10 year return for Bitcoin was 9,000,000%



Undoubtedly, the crypto market is volatile; almost 10 times more so than major exchange rates. Volatility is easy to track through major traditional exchanges; what drives that volatility is, however, less obvious and requires a deep understanding of the context and social fabric of the discussion. In order to make sound investment decisions, an understanding of the social discourse as well as how traditional media is reporting news and trends is vitally important.

Moreover, the crypto market is 24/7. Unlike stocks and the stock exchange, cryptocurrencies are being trading around the clock. Having a media intelligence partner to constantly monitor, measure and provide analysis is crucial.



The volatility of Bitcoin and other cryptoassets prices are extreme and almost 10 times higher than the volatility of major exchange rates. Volatility is easy to track through major traditional exchanges, however, what drives that volatility is deeply entrenched in the social fabric of media. In order to make sound investment decisions, the understanding of the social discourse and the way traditional media is picking up information, news, trends, updates are vitally important.

Government entities and financial regulatory institutions should also ensure that they invest in a service that helps them to track, understand and keep up to date with the cryptocurrency market.

Crypto assets and blockchain technology provide a pseudonymity that worries banks and regulators alike in relation to the lack of anti-money laundering (AML) and know your customer (KYC) regulations surrounding digital currency transactions. This could and has already allowed illegal transactions to take place out of sight of government and financial regulators.

In this report, we explore how crypto assets perform against banks and financial institutions across Austria, Belgium, Germany South Africa, Spain, Switzerland, and the United Kingdom analysing traditional media reporting to provide high-level analysis.



Writen by:
Achilles Georginis
Head of Sales
Ornico

Methodology

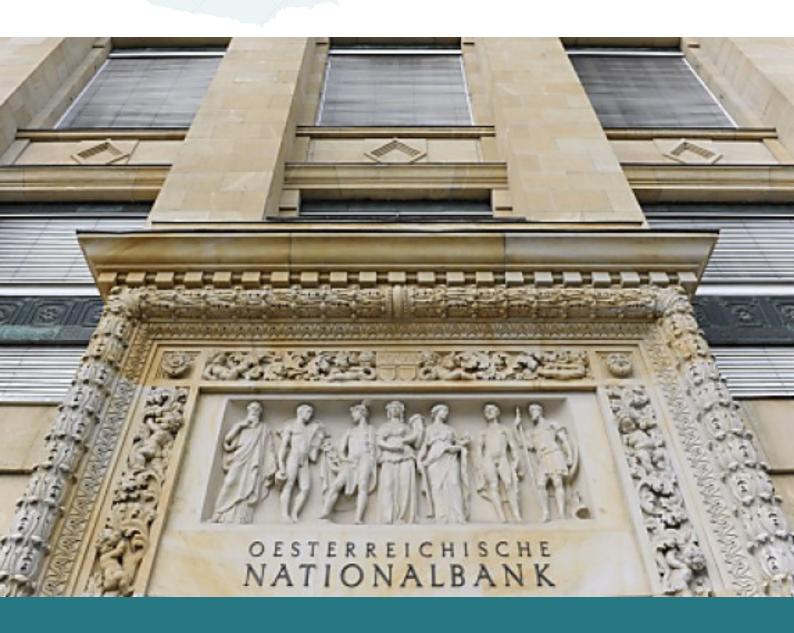
The crypto media analysis report was based on the following criteria:

- Media coverage was collected from print, broadcast, and online news sources.
- The analysis is broken down by country:
 Austria, Belgium, Germany South
 Africa, Spain, Switzerland, and the
 United Kingdom.
- Each GMI member has provided its own perspective and analysis for its respective countries/territories.
- The data collection period was from 26/10/2021 – 15/11/2021.
- Sentiment analysis was based on automatic AI machine learning technology and human analysis.
- This is an independent analysis report aimed to depict how traditional banking and financial institutions are performing against major crypto assets in their respective markets/countries in covered by traditional media.
- More than 1000 print, broadcast, and online sources were analyzed collectively for this report.



Austria

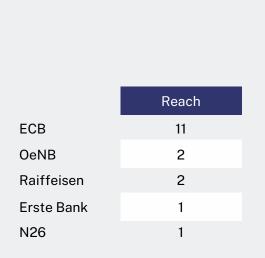


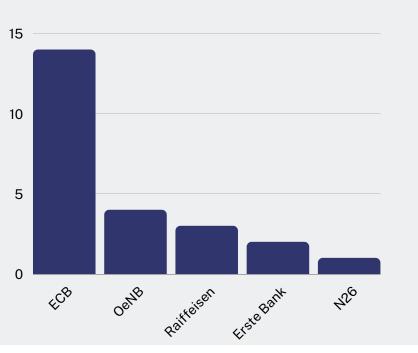




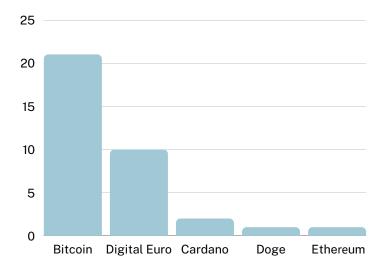
Media Coverage

Crypto assets have acquired more media presence than the traditional financial institutions as expected. ECB seems to pick up the majority of the coverage probably due to the launch of the Digital €, which holds second place amongst the crypto assets' media coverage.





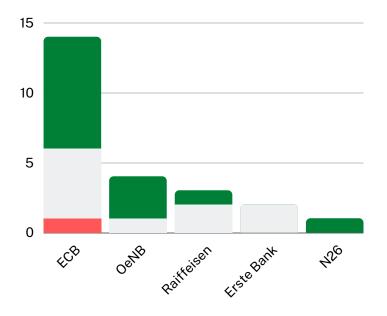
| | Reach |
|-------------------|-------|
| Bitcoin | 21 |
| Digital € | 10 |
| Cardano | 2 |
| Doge | 1 |
| b Ethereum | 1 |
| | |





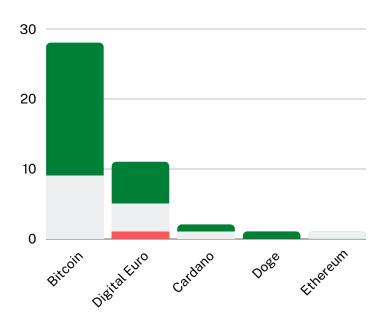
Sentiment Analysis

There were only 2 negative mentions across both crypto assets and traditional financial institutions. The majority of the sentiment is positive for both and ECB and bitcoin, where the latter ownsthe top positive media coverage.



| | Negative | Neutral | Positive | Total |
|------------|----------|---------|----------|-------|
| ECB | 1 | 5 | 8 | 14 |
| OeNB | - | 1 | 3 | 4 |
| Raiffeisen | - | 2 | 1 | 3 |
| Erste Bank | - | 2 | - | 2 |
| N26 | - | - | 1 | 1 |

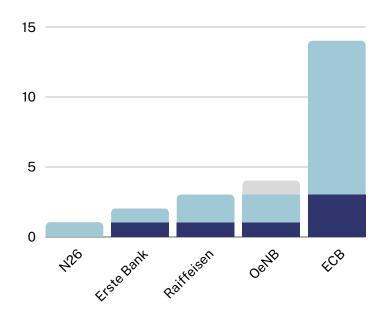
| | | Positive | Neutral | Negative | Total |
|---|----------|----------|---------|----------|-------|
| # | Bitcoin | 19 | 9 | - | 28 |
| € | Digital€ | 6 | 4 | 1 | 11 |
| | Cardano | 1 | 1 | - | 2 |
| Ð | Doge | 1 | - | - | 1 |
| | Ethereum | - | 1 | - | 1 |



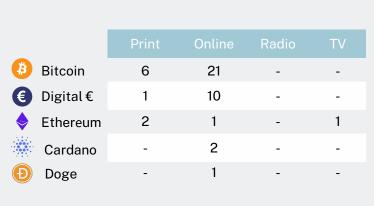


Coverage by Media Type

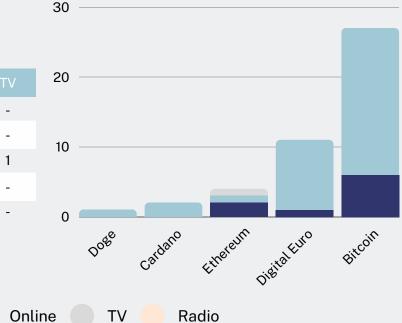
The Austrian media have picked up some very little coverage concerning cryptocurrencies. The notable mentions are the European Central Bank, Bitcoin, and the Digital, probably because the latter is launched as a bitcoin alternative.



| | Print | Online | Radio | TV |
|------------|-------|--------|-------|----|
| ECB | 3 | 11 | - | - |
| OeNB | 1 | 2 | - | 1 |
| Raiffeisen | 1 | 2 | - | - |
| Erste Bank | 1 | 1 | - | - |
| N26 | - | 1 | - | 1 |



Print





Top Media Sources

The following tables break down the top media sources that covered the topic of cryptocurrencies in Austria both for traditional financial institutions and crypto-assets. The conversation is mainly neutral or positive with more distribution happening between print and online media.

| PRINT | | | | | |
|----------------|---|-----|------|----|----------|
| Die Presse | 4 | 25% | 50% | 25 | € 30,073 |
| trend. Premium | 2 | - | 50% | 50 | € 71,780 |
| Gewwin | 1 | - | 100% | - | € 32,909 |
| Wiener Zeitung | 1 | - | 100% | - | € 2,690 |

| TV | Items | Negative | Neutral | Positive | AVE |
|------------|-------|----------|---------|----------|---------|
| Die Presse | 1 | 0 | 100% | 0 | € 9,600 |

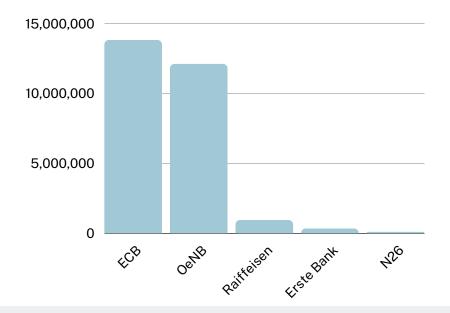
| RADIO | Items | Negative | Neutral | Positive | AVE |
|-------|-------|----------|---------|----------|---------|
| Ö1 | 1 | 0 | 100% | 0 | € 3 600 |

| Online | Items | Negative | Neutral | Positive | AVE |
|------------------|-------|----------|---------|----------|----------|
| finanzen.at | 9 | 11.1% | 22.2% | 66.7% | € 504 |
| diepresse.com | 2 | - | 50% | 50% | € 684 |
| orf.at | 1 | - | 100% | - | € 1,254 |
| profil.at | 1 | - | 100% | - | € 57 |
| salzburg24.at | 1 | - | - | 100% | € 154 |
| wienerzeitung.at | 1 | - | - | 100% | € 139 |
| news.at | 1 | - | 100% | - | € 97 |
| derstandard.at | 1 | - | - | 100% | € 19,556 |
| futurezone.at | 1 | - | 100% | - | € 199 |
| trendingtopics.a | t 1 | - | - | 100% | € 16 |
| Total | 19 | 5.2% | 36.8% | 58% | € 22,600 |



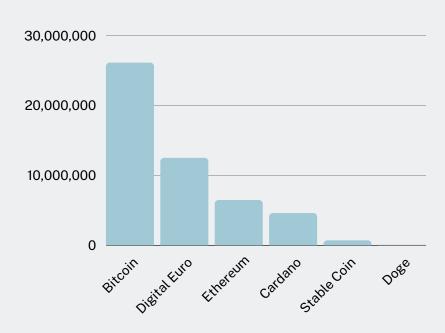


Audience Reach



| | Reach |
|------------|------------|
| ECB | 13,806,622 |
| OeNB | 12,095,834 |
| Raiffeisen | 927,355 |
| Erste Bank | 323,134 |
| N26 | 81,234 |
| Total | 27,234,179 |
| | |







Summary Austria

In Austrian media, the impact of the crypto market on the banking industry and its business models is rarely mentioned.

Only the announcement of a "Bitcoin tax" received high attention. The Austrian government announced that from March 2022 profits from trading in cryptocurrencies will be taxed at 27.5 percent. The taxation will take place regardless of the holding period. Exempt from this are all holdings that were acquired before March 2021.

In addition, there are repeated reports about the steadily growing crypto market and the increasing interest, especially among small investors. The latter development is sometimes also recognized as a symptom of an overheating of the market. Investment bankers advise against larger investments with reference to the high volatility; with the establishment of state cryptocurrencies completely decentralized anonymous platforms such as Bitcoin would find it much more difficult to survive.



Germany



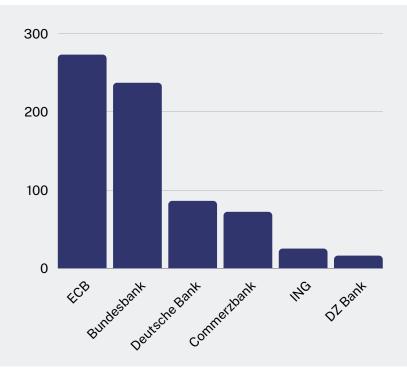




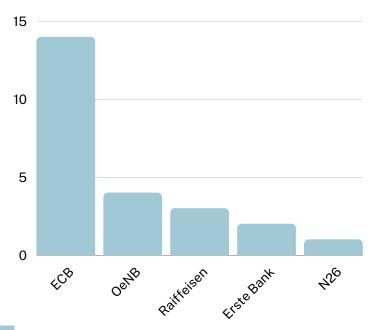
Media Coverage

Germany has picked up the largest amount of coverage in the topic in total but also for both categories. ECB & Bundesbank are definitely in the conversation of crypto and have amounted to a large number of media coverage. Bitcoin and Digital € just like in Austria and Switzerland, are the most discussed crypto assets in the market. Possibly due to each rivalry and the digital € being launched as a "bitcoin alternative".

| | items |
|---------------|-------|
| ECB | 273 |
| Bundesbank | 237 |
| Deutsche Bank | 86 |
| Commerzbank | 72 |
| ING | 25 |
| DZ Bank | 16 |



| | | Items |
|--------------------|-------------|-------|
| B | Bitcoin | 478 |
| • | Digital€ | 259 |
| | Stable Coin | 67 |
| Ð | Doge | 29 |
| \rightarrow | ethereum | 20 |
| | Cardano | 17 |
| | | |



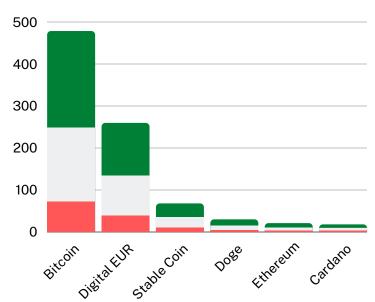


Sentiment Analysis

The ECB and Bundesbank have picked up a mix of neutral and positive sentiment coverage with a few negative ones. On the other side Bitcoin and the Digital € have picked up almost double the coverage but with the same allocation. There is definitely a conversation happening in Germany and traditional institutions are having it.



| | | Negative | Neutral | Positive | Total |
|--------------------|-------------|----------|---------|----------|-------|
| # | Bitcoin | 72 | 176 | 230 | 478 |
| € | Digital € | 39 | 95 | 125 | 259 |
| | Stable Coin | 10 | 25 | 32 | 67 |
| Ð | Doge | 4 | 11 | 14 | 29 |
| \rightarrow | ethereum | 3 | 7 | 10 | 20 |
| | Cardano | 3 | 6 | 8 | 17 |

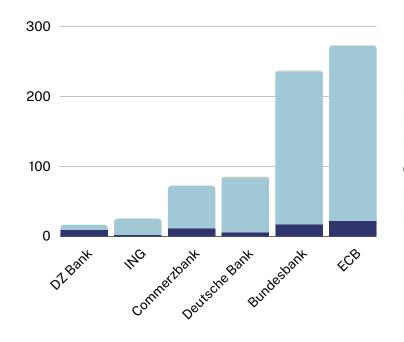




Coverage by Media Type

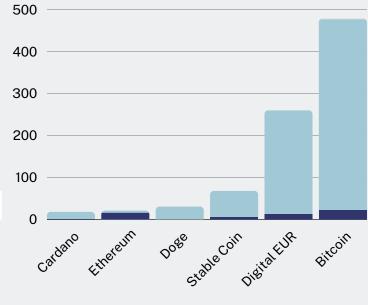
The German media have had the most coverage when it comes to this topic. It seems like the conversation is happening in all media with a clear theme for the DACH region being the European Central Bank, Bitcoin, and the Digital €.

Online



| Print | Online | Radio | TV |
|-------|--------------------------|---|---|
| 22 | 250 | 1 | - |
| 17 | 218 | 2 | - |
| 5 | 79 | - | 2 |
| 11 | 61 | - | - |
| 2 | 23 | - | - |
| 9 | 7 | - | - |
| | 22 17 5 11 2 | 22 250 17 218 5 79 11 61 2 23 | 22 250 1 17 218 2 5 79 - 11 61 - 2 23 - |





Radio



Top Media Sources

The following tables break down the top media sources that covered the topic of cryptocurrencies in Germany both for traditional financial institutions and crypto-assets. The conversation is mainly neutral or positive with more distribution happening between print and online media.

| PRINT | | | | | AVE |
|--------------------|-------|-----|-------|-----|-----------|
| Süddeutsche Zeitun | g 3 | - | 66.7% | 33% | € 82,188 |
| Börse Online Magaz | zin 2 | - | 100% | - | € 22,968 |
| Die Welt | 2 | 50% | 50% | - | € 60,075 |
| Focus Money | 2 | - | 50% | 50% | € 79,820 |
| Handelsblatt | 2 | - | 50% | 50% | € 58,575 |
| Wirtschaftswoche | 2 | - | 50% | 50% | € 273,323 |

| TV | Items | Negative | Neutral | Positive | AVE |
|-------------|-------|----------|---------|----------|---------|
| Aktionär TV | 2 | - | 100% | - | € 1,200 |

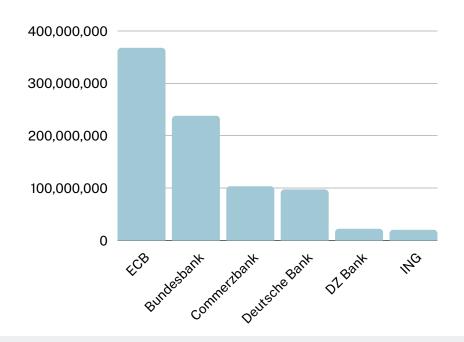
| RADIO | Items | Negative | Neutral | Positive | AVE |
|----------|-------|----------|---------|----------|---------|
| Bayern 5 | 3 | - | 100% | - | € 2,739 |
| Bayern 3 | 1 | - | 100% | - | € 2,250 |
| hr-info | 1 | - | 100% | - | € 1,260 |

| Online | Items | Negative | Neutral Po | ositive | AVE |
|----------------------|-------|----------|------------|---------|----------|
| ibmcoin.de | 49 | 14.3% | 57.1% | 28.6% | N/A |
| finanznachrichten.de | 35 | 5.7% | 65.7% | 28.6% | € 5,191 |
| aktiencheck.de | 23 | 30.4% | 21.7% | 47.8% | € 819 |
| ariva.de | 20 | 10% | 50% | 40% | € 6556 |
| finanztreff.de | 20 | - | 25% | 75% | € 1148 |
| finanzen.net | 18 | 5.6% | 66.7% | 27.8% | € 16,245 |
| wallstreet-online.de | 17 | - | 52.9% | 47.1% | € 8,885 |
| onvista.de | 16 | 25% | 31.3% | 43.8% | € 4,975 |
| boerse-express.com | 14 | 7.1% | 35.7% | 57.1% | € 61 |
| faz.net | 9 | - | 33.3% | 66.7% | € 21,856 |
| Total | 221 | 10.9% | 36.8 | 41.6% | € 65,736 |



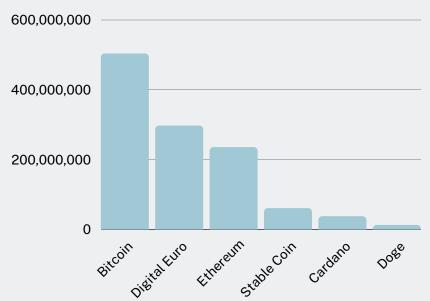


Audience Reach



| | | Reach |
|-----|-------------|-------------|
| EC | В | 367,179,354 |
| Bui | ndesbank | 237,571,018 |
| Co | mmerzbank | 103,110,183 |
| De | utsche Bank | 97,152,019 |
| DΖ | Bank | 22,041,016 |
| INC | à | 20,039,051 |
| | Total | 847,092,641 |







Summary Germany

In the German banking industry, cryptocurrencies continue to be viewed with optimistic caution. For one thing, cryptocurrencies have a high appeal to speculators including small investors. Analysts and experts therefore continuously warn about the high risks of such transactions.

On the other hand, they also recognize the great potential of blockchain technology. A special role is given to the plan of a digital euro. For example, Burkhard Balz, a member of the Executive Board of Deutsche Bundesbank, says that digitization and FinTechs are promoting the development of numerous new business models and products in payment transactions. The focus is based on instant payments or pay-peruse models.

Heike Winker, also from Deutsche Bundesbank, announced that the digital euro was still in the planning phase and that numerous aspects still had to be clarified, such as the question of a possible interest rate. The digital euro will not be available until 2026. Current developments like the increasing spread of pay-per-use, therefore, require an interim solution until then.

Repeatedly mentioned is also the widespread use of cash in Germany. According to market researchers and industry experts public acceptance of new payment methods, cryptocurrencies and technologies is steadily increasing. Therefore central banks have the mission to maintain the stability of the monetary and financial system in the face of changing requirements.



Switzerland



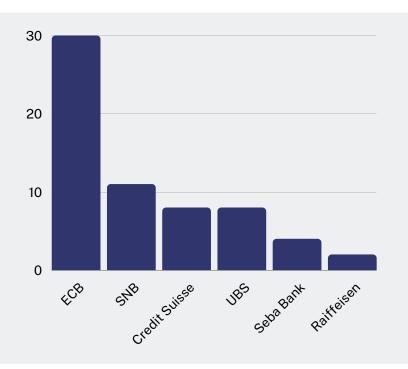




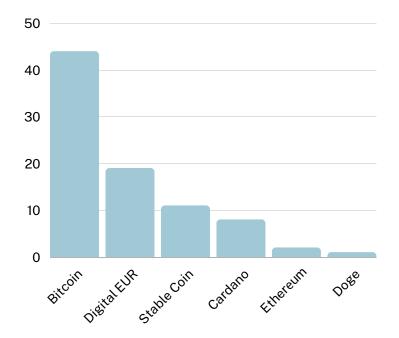
Media Coverage

The media coverage for both categories is quite similar in volume. The same theme can be identified all across the DACH region. Bitcoin and Digital € are the top contributors to the crypto asset category and the ECB on the other side.

| | Items |
|---------------|-------|
| ECB | 30 |
| SNB | 11 |
| Credit Suisse | 8 |
| UBS | 8 |
| Seba Bank | 4 |
| Raiffeisen | 2 |



| | Items |
|--------------------|-------|
| Bitcoin | 44 |
| € Digital € | 19 |
| Stable Coin | 11 |
| Cardano | 8 |
| ethereum | 2 |
| Doge | 1 |

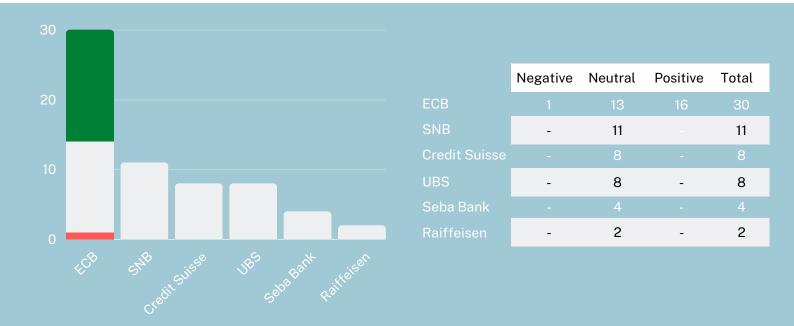




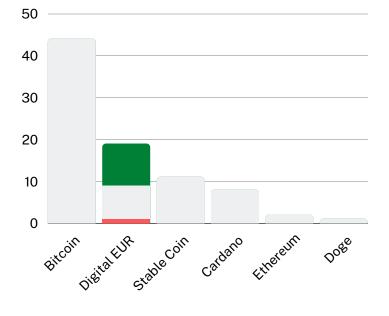


Sentiment Analysis

The landscape of traditional financial institutions is one-sided towards neutral sentiments. With ECB again getting the highest positive coverage. Bitcoin is again, leading the coverage with a 100% neutral sentiment. A big outlier here, the Digital € picked up 100% of all the crypto assets' positive coverage.



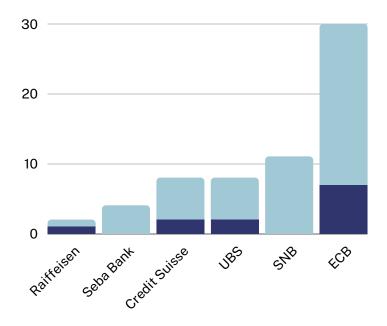
| | | Negative | Neutral | Positive | Total |
|---|-------------|----------|---------|----------|-------|
| # | Bitcoin | - | 44 | - | 44 |
| € | Digital€ | 1 | 8 | 10 | 19 |
| | Stable Coin | - | 11 | - | 11 |
| | Cardano | - | 8 | - | 8 |
| | Ethereum | - | 2 | - | 2 |
| Ð | Doge | - | 1 | - | 1 |





Coverage by Media Type

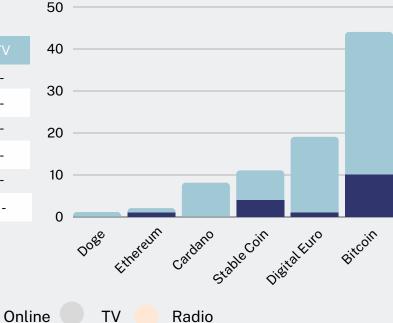
The conversation is happening either on print or online media. There is not any coverage picked up on radio or tv. The European Central Bank, Bitcoin, and the Digital € are the majority holders of the coverage.



| Print | Online | Radio | TV | |
|-------|-------------|----------------------------|------------------------------------|----------------------------|
| 7 | 23 | - | - | |
| - | 11 | - | - | |
| 2 | 6 | - | - | |
| 2 | 6 | - | - | |
| - | 4 | - | - | |
| 1 | 1 | - | - | |
| | 7 - 2 | 7 23 - 11 2 6 2 6 | 7 23 - - 11 - 2 6 - 2 6 - | 7 23 - 11 2 6 2 6 |



Print





Top Media Sources

The following tables breakdown the top media sources that covered the topic of cryptocurrencies in Switzerland both for traditional financial insitutions and crypto assets. The conversation is mainly neutral or positive with more distribution happening between print and online media. No data coverage was present in other media for the specific time period.

| PRINT | | | | | |
|-----------------------|---|-----|------|-----|-----------|
| Finanz und Wirtschaft | 5 | 20% | 60% | 20% | € 12,799 |
| Neue Zürcher Zeitung | 4 | 50% | 50% | - | € 38, 250 |
| Die Weltwoche | 2 | - | 100% | - | € 31,169 |
| Handelszeitung | 2 | - | 100% | - | € 30,781 |
| Zürichsee-Zeitung | 1 | - | 100% | - | € 1,963 |

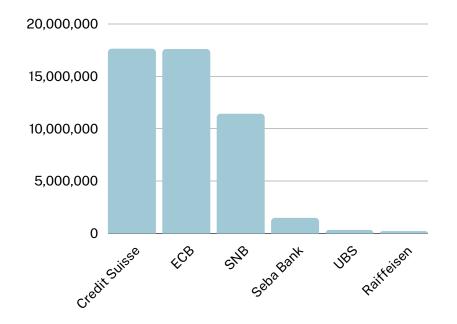
| Online | Items | Negative | Neutral | Positive | AVE |
|----------------|-------|----------|---------|----------|---------|
| finanzen.ch | 15 | 6.7% | 26.7% | 66.7% | € 975 |
| cvj.ch | 6 | - | 33.3% | 66.7% | € 20 |
| cash.ch | 6 | - | 50% | 33.3% | € 719 |
| uncutnews.ch | 5 | - | 80% | 20% | € 616 |
| swissinfo.ch | 3 | - | 66.7% | 33.3% | € 998 |
| fuw.ch | 3 | - | 66.7% | 33.3% | € 60 |
| nzz.ch | 2 | - | 50% | 50% | € 1822 |
| finews.ch | 2 | - | 50% | 50% | € 59 |
| schweizermonat | .ch 2 | - | - | 100% | € 12 |
| nau.ch | 2 | - | 100% | - | € 788 |
| Total | 221 | 10.9% | 47.5% | 41.6% | € 6,069 |





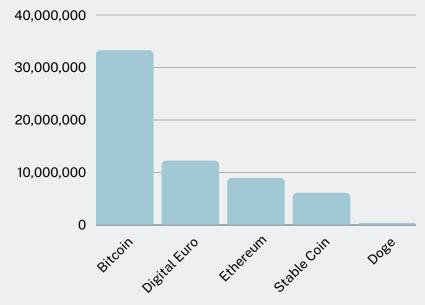


Audience Reach



| | Reach |
|---------------|------------|
| Credit Suisse | 17,608,883 |
| ECB | 17,578,248 |
| SNB | 11,403,041 |
| Seba Bank | 1,473,646 |
| UBS | 324,877 |
| Raiffeisen | 211,280 |









Summary Switzerland

Since many decades the Swiss banking system is one of the most important in the world and one of the key factors for the international perception of Switzerland. With their strong focus on asset management that tends to be conservative and sustainable, recent developments in the crypto market are viewed with caution by the major banking institutions. However, one of the most formative developments for the future has been recognized in blockchain technology. And its potential and diverse applications are already being reflected in long-term strategies.

In the reporting of Swiss media the hurdles for companies are repeatedly mentioned. The business community recognizes the potential of blockchain technology and ideas for its applications are steadily increasing, also the willingness to participate. However, current regulatory requirements stand in the way of rapid dissemination.

Anyone who wants to transfer cryptocurrency back into a normal currency after a transaction has taken place must be able to prove to their bank where the money came from. With cryptocurrencies, however, the origin is often not identifiable.

But the potential remains undisputed. Stablecoins, as planned in the form of a digital euro, provide the basis for inexpensive and efficient digital payment systems. It is repeatedly pointed out that cross-border transactions are still very inefficient and expensive in many countries. Entirely new financial ecosystems could emerge on the basis of blockchain, for example in the area of supply chains and proof of ownership. One major open question concerns data protection, since the possibility of anonymous payment is diminishing with a possible shift away from cash.



Belgium

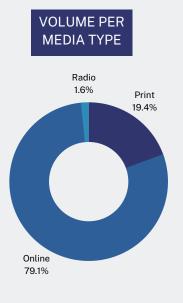


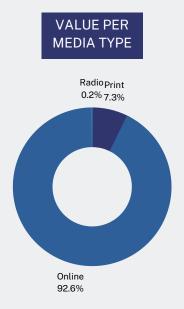


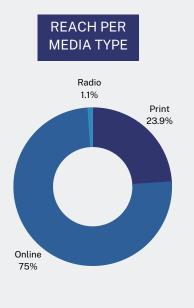


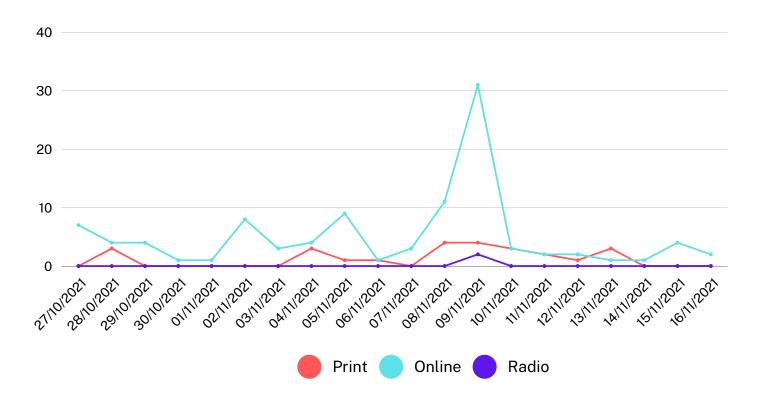
Impact Metrics







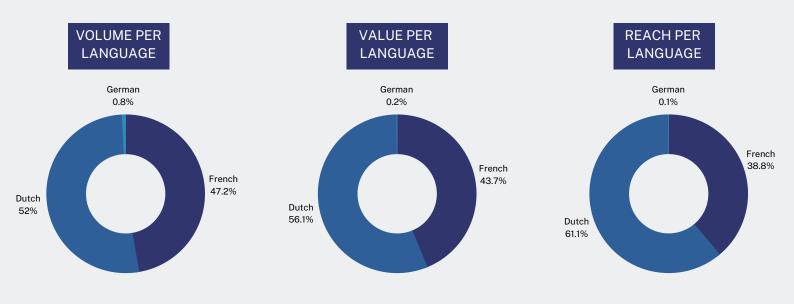


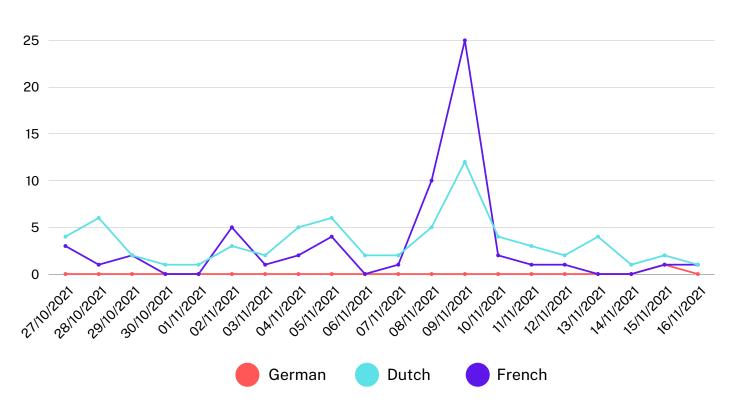




Impact Language

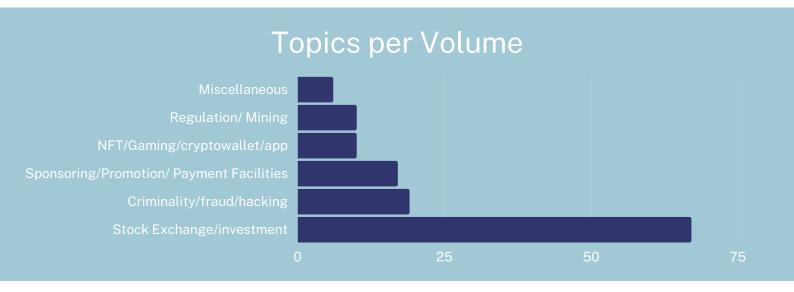
| Items | Potential Reach | AVE's | |
|-------|-----------------|-------------|--|
| 129 | 28,1m | € 1,091,077 | |

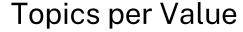


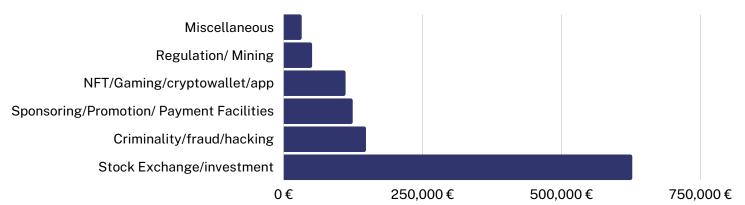




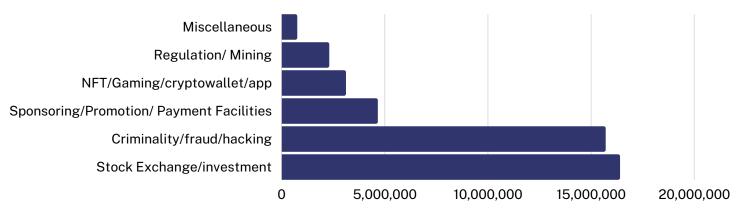
Topics Analysis







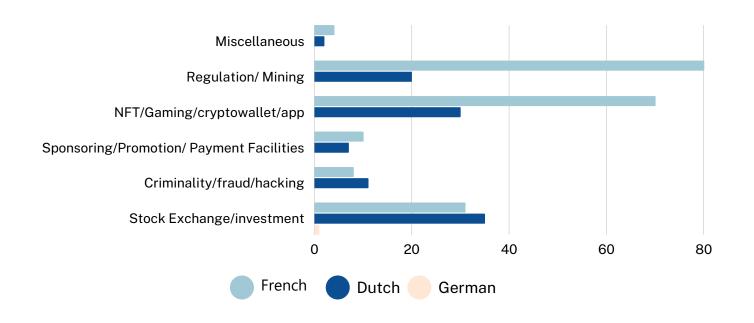
Topics per Reach



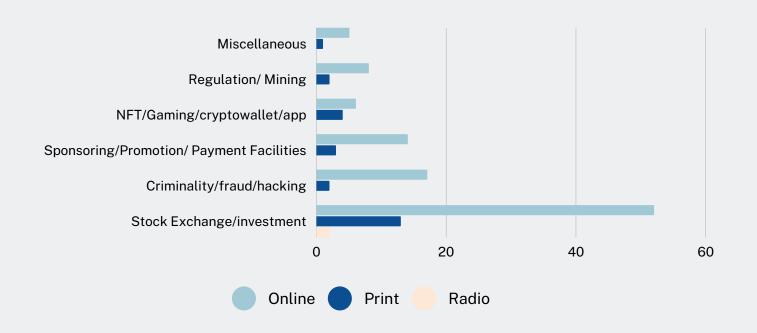


Topics

Split per Language



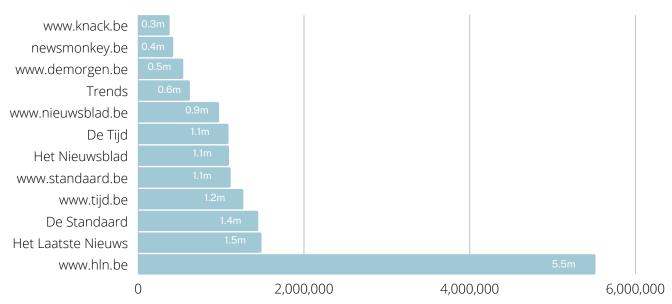
Split per Media



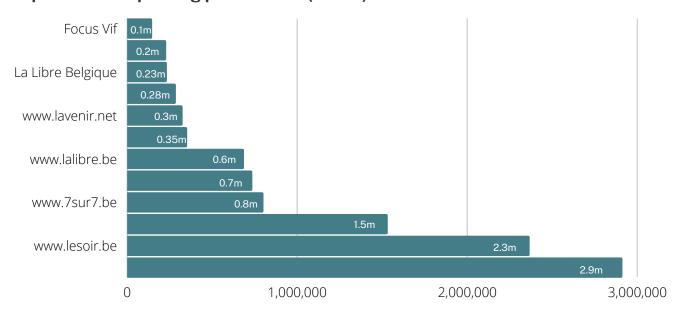


Top Publications French/Dutch

Top 12 Dutch-speaking publications (Reach)



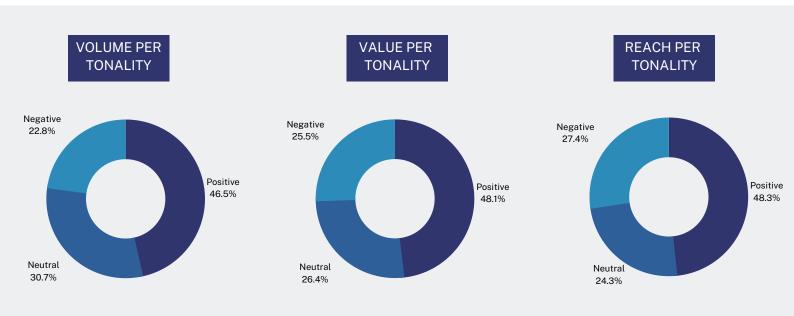
Top 12 French-speaking publications (Reach)

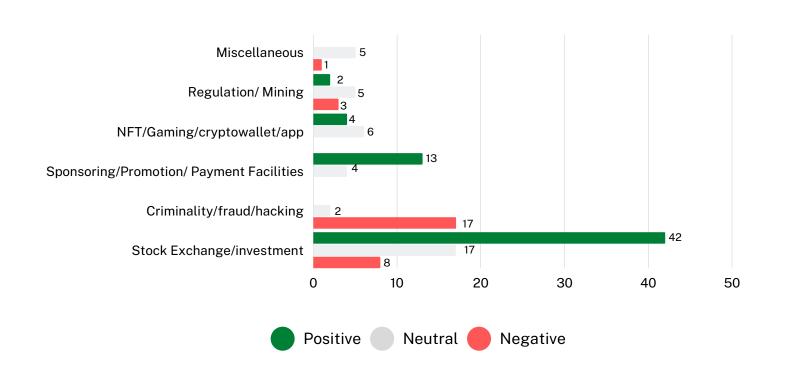




Sentiment Analysis

| Items | Potential Reach | AVE's |
|-------|-----------------|-------------|
| 129 | 28,1m | € 1,091,077 |







Summary Belgium

52% of the articles are about the record rise of cryptocurrencies and Bitcoin in particular:

The majority are positive, but some warn of the dangers of speculation

Criminality and fraud is the second most relevant topic with very negative visibility:

• Fraud is about the currency « Squid »

Criminality is about Mediamarket that has been the victim of ransomware and Bitcoin as payment currency is associated with that theme:

- The third subject is about Sponsoring and the promotion of cryptocurrencies:
- With items about the mayor of New York who want to be paid in Bitcoin or about crypto.com sponsoring Italian football.
- These articles are merely positive.



South Africa



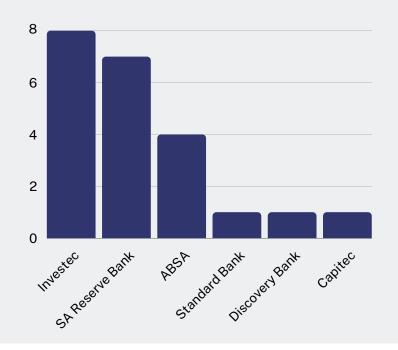




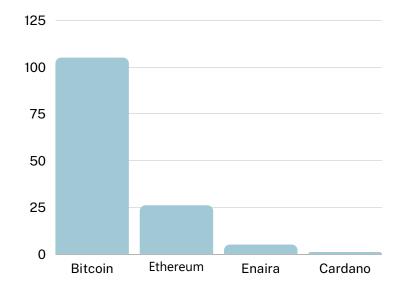
Media Coverage

Crypto assets are massively outperforming traditional institutions in terms of media coverage in relation to the cryptocurrency topic. Bitcoin has the lion's share, however, Ethereum is also gaining more coverage than all of the traditional institutions combined. Although this is expected, banks and investment firms are not part of the crypto conversation during this period with very little coverage.

| | Items |
|-----------------|-------|
| Investec | 8 |
| SA Reserve Bank | 7 |
| ABSA | 4 |
| Standard Bank | 1 |
| Discovery Bank | 1 |
| Capitec | 1 |







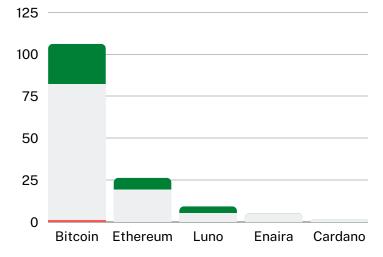


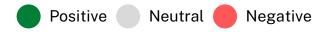
Sentiment Analysis

There was only 1 negative mention across both categories and that was allocated to bitcoin. The majority of the sentiment for both traditional institutions and crypto assets was neutral. The biggest owner of positive coverage was by far Bitcoin.



| | Negative | Neutral | Positive | Total |
|-----------------|----------|---------|----------|-------|
| Bitcoin | 1 | 81 | 24 | 106 |
| Ethereum | - | 19 | 7 | 26 |
| Luno | - | 5 | 4 | 9 |
| Enaira | - | 1 | - | 1 |
| Cardano | - | 5 | - | 5 |

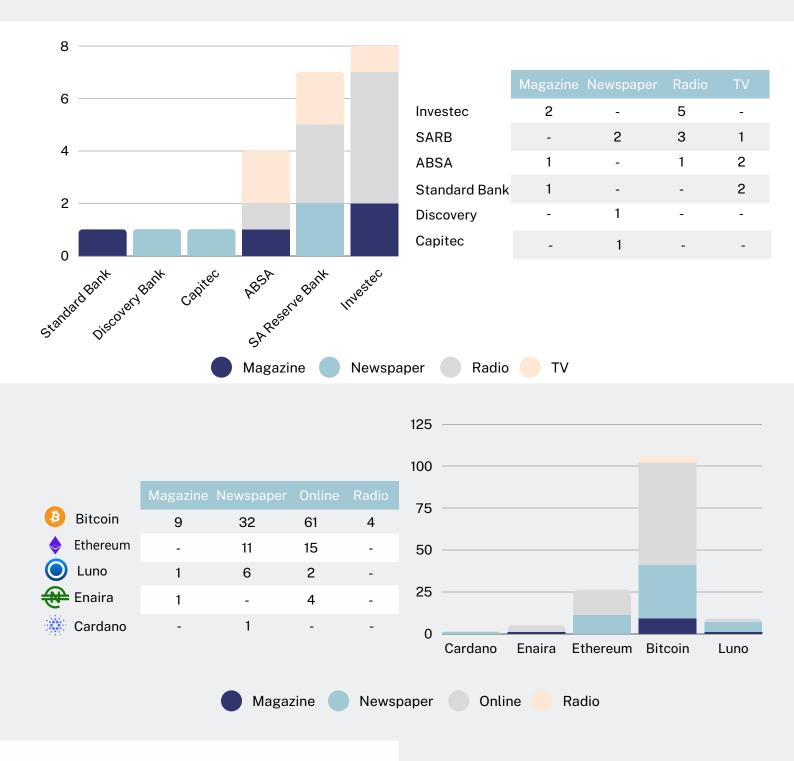






Coverage by Media Type

What is interesting about this graph is that all media coverage concerning the crypto topic is mainly online. What is noticeable is the lack of online media coverage for traditional financial institutions. It seems that the online conversation is dominated by crypto-assets and bitcoin specifically.





Top Media Sources

The following tables breakdown the top media sources that covered the topic of cryptocurrencies in South Africa both for traditional financial institutions and crypto assets. The conversation is mainly neutral or positive with more distribution happening between print and online media.

| PRINT | Items | Negative | Neutral | Positive | AVE |
|---|-------|----------|---------|----------|--------------|
| Business Day | 18 | - | 66.6% | 33.3% | R 933,523.15 |
| Brainstorm | 7 | - | 57% | 43% | R 357,635.15 |
| Pretoria News Weekend | 3 | - | 33.% | 66.6% | R 330,655.71 |
| Saturday Star - Personal Finance | 3 | - | 33.% | 66.6% | R 331,32.08 |
| The Independent On Saturday | 3 | - | 33.% | 66.6% | R 327,600.17 |
| Weekend Argus - Saturday Personal Financ | e 3 | - | 33.% | 66.6% | R 327,947.40 |
| Cfo South Africa | 2 | - | 100% | - | R 276,735.36 |
| African Review Of Business And Technology | / 1 | - | 100% | - | R 195,189.08 |
| Huisgenoot | 2 | - | - | 100% | R 380,551.73 |
| You | 1 | - | 100% | - | R 251,062.05 |

| TV | Items | Negative | Neutral | Positive | AVE |
|-----------|-------|----------|---------|----------|-------------|
| ENCA | 4 | - | 100% | - | R 42 293.06 |
| SABC News | 1 | - | 100% | - | R 60,000.00 |

| RADIO | Items | Negative | Neutral | Positive | AVE |
|----------------|-------|----------|---------|----------|------------|
| RSG | 6 | - | 100% | - | R 446,216 |
| Channel Africa | 4 | - | 100% | - | R 5,811.08 |
| Radio 702 | 4 | - | 100% | - | R 110,740 |
| Cape Talk | 1 | - | 100% | - | R 7,256 |
| Kaya Fm | 1 | - | 100% | - | R 140,020 |
| Pretoria Fm | 1 | - | - | 100% | R 13,049 |

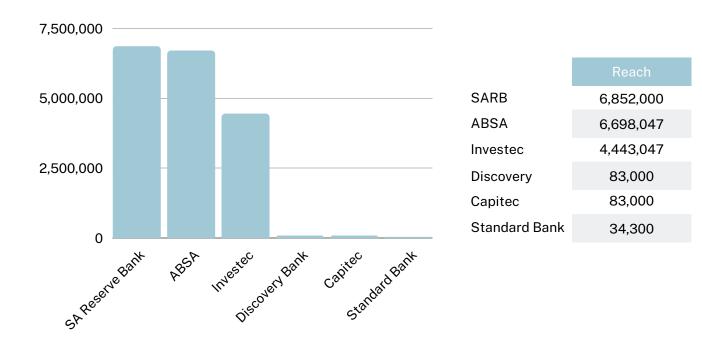
| Online | Items | Negative | Neutral | Positive | AVE |
|-------------------------------|-------|----------|---------|----------|-------------|
| Market Screener | 91 | - | 100% | - | R 60,606 |
| Sharenet | 26 | - | 100% | - | R 156,494 |
| Moneyweb | 24 | 4% | 96% | - | R 1,164,528 |
| Bizcommunity.com | 14 | - | 43% | 57% | R 145,810 |
| Mybroadband | 14 | - | 78% | 22% | R 952,868 |
| Business Insider South Africa | 8 | - | 50% | 50% | R 644,400 |
| Business Tech | 8 | - | 87.5% | 12.5% | R 695,536 |
| Eyewitness News | 2 | - | 100% | - | R 176,158 |
| Sowetan Live | 1 | - | 100% | - | R 68,201 |
| Daily Maverick | 1 | - | - | 100% | R 68,200 |
| Total | 189 | 0.5% | 90.5% | 9% | R 4,132,801 |

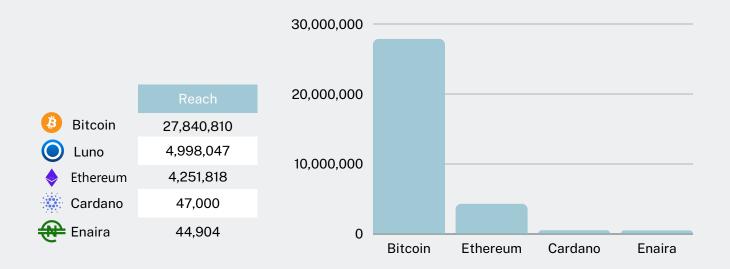




Audience Reach

The graphs below show the total reach of the coverage divided in the two categories. Bitcoin outperforms the total of the institutional coverage alone. An impressive metric that can have multiple interpretations. Certainly the theme of this report.







Summary South Africa

The South African banking industry is widely considered as one of the most advanced and sophisticated in the world which is backed by a sound regulatory and legal framework. Hence it is surprising that for this specific analysis period few traditional banks were mentioned in relation to cryptocurrencies.

However, cryptocurrencies itself, like Bitcoin, gets a large focus in the media, particularly as Bitcoin passed the one million rand mark on South African cryptocurrency exchanges Luno, Valr, and AltCoinTrader during November 2021, a big milestone in South Africa. In general media coverage on crypto currencies in South Africa are deemed neutral to positive, with very little negative views on it.

Luno, a popular crypto platform is more visible than the traditional banks. Founded by four South Africans in 2012, the company was incorporated in Singapore in 2013. Currently with offices in London, Cape Town, Johannesburg, Lagos, Singapore, Kuala Lumpur, Jakarta and Sydney, the platform has more than 9 million users across the world.

Luno now also plans to expand to the United States in 2022. Their statistics also shows the massive interest in crypto currencies, with more than 1 million users added to the service in the last five months, with almost half based in Africa. South Africa and Nigeria remains Luno's biggest markets at the moment but the company is expanding rapidly.

The central banks of South Africa,
Australia, Singapore, and Malaysia are
also teaming up to test the use of
CBDCs (Central Bank Digital Currency)
for international settlements. This
exercise, called Project Dunbar, will
develop platforms for cross-border
transactions using CBDCs. The aim is to
allow financial institutions to transact
directly with each other in the digital
currencies issued by central banks,
without needing intermediaries. The
Switzerland-based Bank for
International Settlements (BIS) will lead
Project Dunbar.



Summary South Africa

Nigeria recently also introduced the eNaira, the first African country to roll out a national digital currency. The digital currency will be the digital form of the Naira and will be used just like cash. The Nigerian Central Bank says that the eNaira introduction is to promote and facilitate financial inclusion, enable welfare distributions and reduce the cost of cash processing, among many other reasons.

Launching the CBDC on 25 October 2021, around 500 000 people are reported to have downloaded the consumer wallet for the eNaira within the first three weeks of its launch.

According to the Nigerian central bank, around 78,000 merchants from 160 countries have already signed up for the eNaira merchant wallet.



Spain

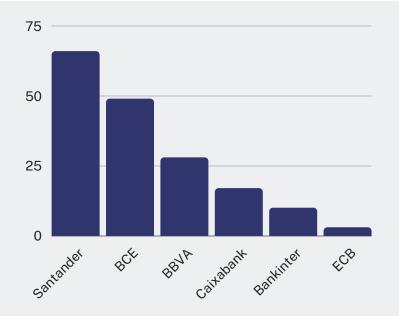






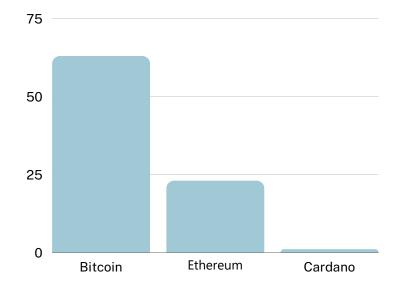
Media Coverage

Crypto assets are equally performing with traditional institutions in terms of media coverage in relation to the cryptocurrency topic. Bitcoin has the lion's share as it has with all countries in this report. What is surprising is Santander's numbers are quite high compared with other countries' banks when compared to bitcoin and another crypto. Another notable comment is the lack of the digital € from the coverage.



| | Items |
|-----------|-------|
| Santander | 66 |
| BCE | 49 |
| BBVA | 28 |
| Caixabank | 17 |
| Bankinter | 10 |
| ECB | 3 |
| | |

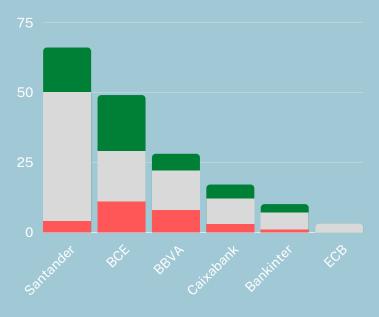
| | | Items |
|---|----------|-------|
| ₿ | Bitcoin | 63 |
| • | Ethereum | 23 |
| • | Cardano | 1 |





Sentiment Analysis

There is a balance in the coverage of both crypto assets and traditional financial institutions when it comes to sentiment. Neutral has the majority of the share with positive being a second close with Santander and Bitcoin having the top results.

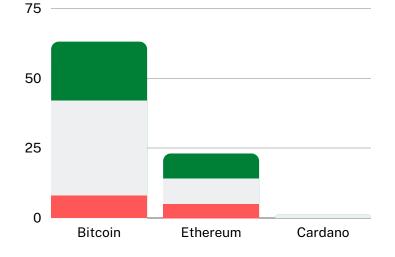


Santander BCE BBVA Caixabank Bankinter ECB

| Negative | Neutral | Positive | Total |
|----------|---------|----------|-------|
| | 46 | 16 | 66 |
| 11 | 18 | 20 | 49 |
| 8 | 14 | 6 | 28 |
| 3 | 9 | 5 | 17 |
| | 6 | 3 | 10 |
| - | 3 | - | 3 |
| | | | |



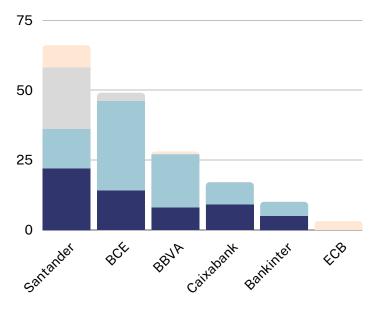
| Negative | Neutral | Positive | Total |
|----------|---------|----------|-------|
| 8 | 34 | 21 | 21 |
| 5 | 9 | 9 | 9 |
| - | 1 | 1 | - |





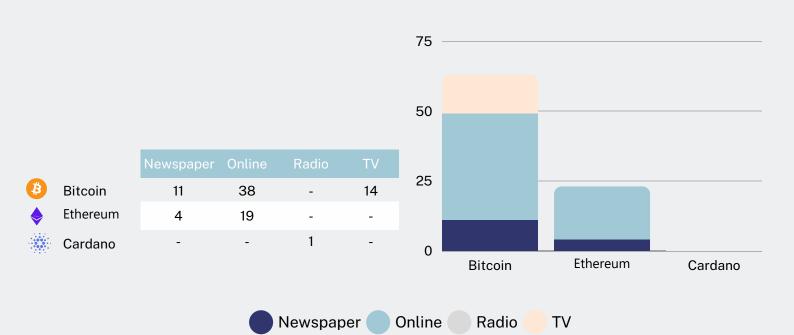
Coverage by Media Type

A healthy ratio between print and online media coverage for both categories can be seen in the graphs below. Santander and Bitcoin leading the tables.



| Santander |
|-----------|
| BCE |
| BBVA |
| Caixabank |
| Bankinter |
| ECB |

| Online | Radio | TV |
|--------|---------------------|------------------------------|
| 14 | 22 | 8 |
| 32 | 3 | - |
| 19 | - | 1 |
| 8 | - | - |
| 5 | - | - |
| - | - | 3 |
| | 14 32 19 8 | 14 22 32 3 19 - 8 - |





Top Media Sources

The following tables break down the top media sources that covered the topic of cryptocurrencies in Spain both for traditional financial institutions and crypto-assets. The conversation is mostly neutral and positive with more distribution happening between print and online media once again.

| PRINT | | | | |
|-----------------------------|---|----|----|----|
| Cinco Días | 3 | 14 | 6 | 23 |
| Cinco Días -Suplemento | - | 4 | - | 4 |
| El Economista | - | 4 | 2 | 6 |
| El Economista el Superlunes | 4 | - | - | 4 |
| El Mundo | 7 | - | - | 7 |
| El País | 1 | - | - | 1 |
| Expansión | 2 | 9 | 13 | 24 |
| Expansión -Del Inversor | - | 2 | - | 2 |
| La Vanguardia | - | - | 2 | 2 |

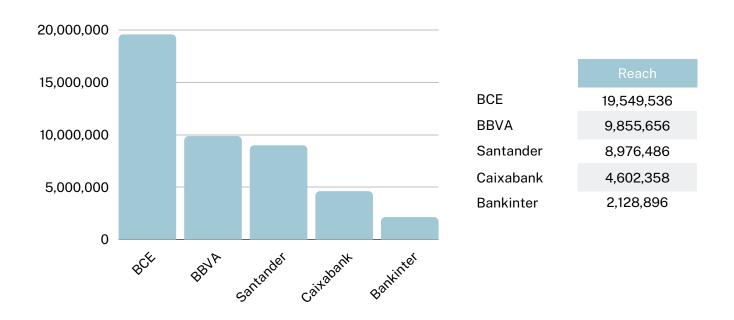
| Online | Negative | Neutral | Positive | Total |
|---------------------------|----------|---------|----------|-------|
| | | Neutrat | | |
| 20minutos.e | 2 | - | 2 | 4 |
| ABC.es | 3 | - | - | 3 |
| Cinco Días | 2 | 7 | 10 | 19 |
| El Economista.es | 1 | 12 | 3 | 16 |
| EL ESPAÑOL | 11 | 1 | 21 | 33 |
| El País | - | 1 | 2 | 3 |
| elconfidencial.com | - | 5 | - | 5 |
| elconfidencialdigital.com | - | 9 | 3 | 12 |
| Europa Press | 1 | 10 | 3 | 14 |
| Expansion.com | - | - | 8 | 8 |
| La Razón Digital | - | 3 | - | 3 |
| La Vanguardia | - | 5 | 1 | 6 |
| Periodista Digital | - | 2 | 2 | 4 |
| Vozpopuli | 3 | - | 1 | 5 |
| | | | | |

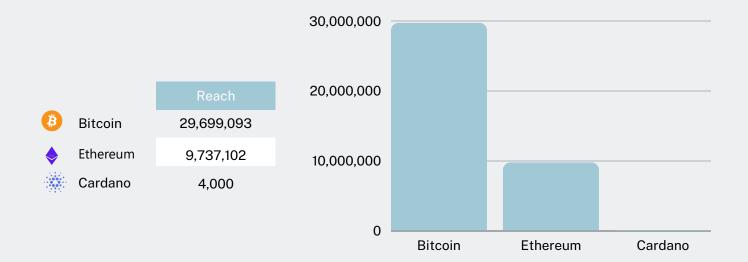




Audience Reach

The graphs below show the total reach of the coverage divided into two categories. Bitcoin outperforms BCE and BBVA together. It seems that the financial institutions in Spain gathered a significant amount of reach.







Summary Spain

According to its media coverage, the Spanish banking sector interest in cryptocurrency market is expanding. Its regulation is the main topic of discussion as many banking entities regard it as vague. Media coverage in Spain portrays a dilemma among the banking sector in which its customers have intent to invest in cryptocurrency but its lack of regulation discourages banks to act on it. For instance, Ana Botín, Banco Santander's chairman, discussed during an interview for Bloomberg the importance of an unambiguous regulation and central banks implication in it.

Bitcoin is considered the main currency with over 72% of the analysed publications mentioning it as it is considered a legitimate asset. It also has a remarkable positive sentiment response (33%) as media outlets outweighs its benefits. Bitcoin also has over 29.699.093 audience reach, which accentuates its appeal among the consumers across the country.

Banco Santander is leading the conversation as over 38% of the analysed posts are related to this institution that has a 8.976.486 audience reach. Sentiment response is overall neutral (70%) as newspapers outline Santander's actions and commitment in the cryptocurrency market. This is the case, for example, of multiple articles on how Santander is the only Spanish bank that is presenting products with cryptocurrency (Bitcoin).

The Spanish Central Bank follows (28%) with an overall positive response (41%) and a vast audience reach (19.549.536). Media portrays how this entity calls on a cautious approach towards the cryptocurrency market, emphasizing its volatility. The digital euro is also relevant in the conversation, as the Spanish fintech company, Monei, presents its own digital euro project to the Spanish Central Bank's financial sandbox.



United Kingdom

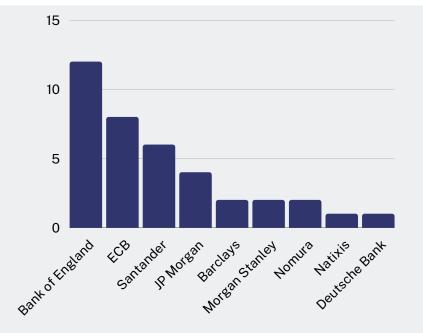
pressdata





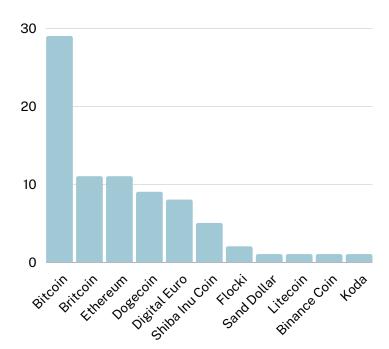
Media Coverage

The conversation in the UK has been dominated by the crypto assets while the traditional financial institutions are barely mentioned with an exception of Bank of England and ECB. The diversity of crypto assets in the coverage is remarkable compared to the other countries in the report. Bitcoin comes first with the majority of coverage followed by Britcoin.



| | Items |
|-----------------|-------|
| Bank of England | 8 |
| ECB | 7 |
| Santander | 4 |
| JP Morgan | 1 |
| Barclays | 1 |
| Morgan Stanley | 1 |
| Nomura | 1 |
| Natixis | 1 |
| Deutsche Bank | 1 |

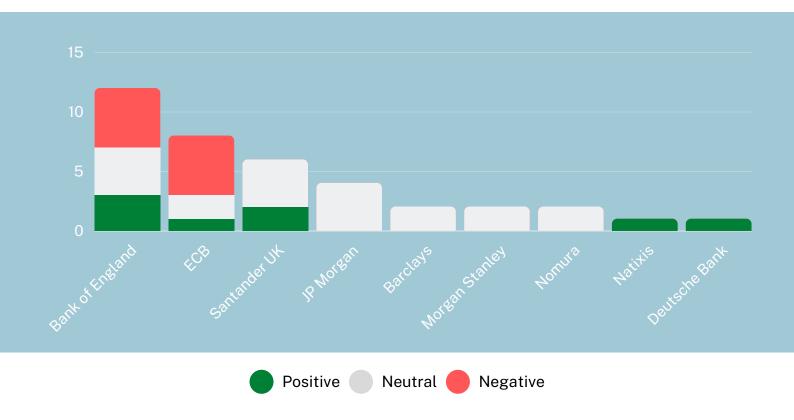
| | Items |
|-----------------|-------|
| Bitcoin | 29 |
| Britcoin | 11 |
| Ethereum | 11 |
| Dogecoin | 9 |
| Digital € | 8 |
| 😔 Shiba Inu | 5 |
| Flocki Sand | 2 |
| ☆ Dollar | 1 |
| Litecoin | 1 |
| Binance Coin | 1 |
| S Koda | 1 |





Sentiment Analysis

Bank of England achieved the most "beneficial" sentiment (three), with these items discussing their upcoming digital currency nicknamed "Britcoin". Next was Santander UK (two), praised for their work tackling the impact of cryptocurrency related crime in the industry.



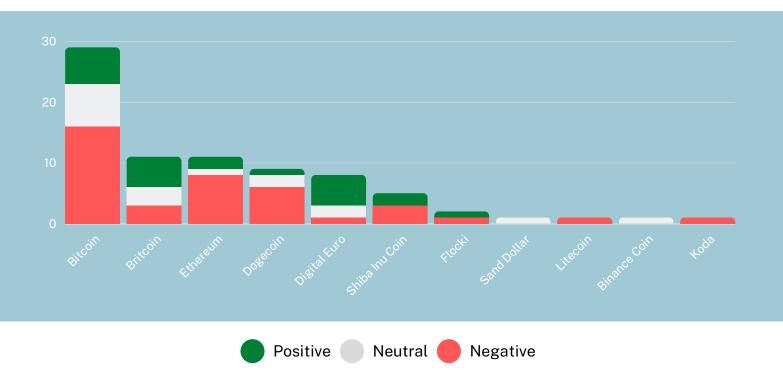
| | Positive | Neutral | Negative | Total |
|-----------------|----------|---------|----------|-------|
| Bank of England | 3 | 7 | 5 | 12 |
| ECB | 1 | 2 | 5 | 8 |
| Santander | 2 | 4 | - | 6 |
| JP Morgan | - | 4 | - | 4 |
| Barclays | - | 2 | - | 2 |
| Morgan Stanley | - | 2 | - | 2 |
| Nomura | - | 2 | - | 2 |
| Natixis | 1 | - | - | 1 |
| Deutsche Bank | 1 | - | - | 1 |

Bank of England also achieved the joint most "adverse" sentiment (five), alongside the ECB (five). These items were all in opposition to centralised digital currencies, arguing that plans to program them mean they are inherently authoritarian pose a risk to individual freedoms and sovereignty.



Sentiment Analysis

Bitcoin featured the most "beneficial" sentiment (16), with the coin discussed as a favourable option in comparison to centralised digital currencies (four). Next was Ethereum (eight), also mentioned when arguing in favor of decentralised cryptocurrency markets (three).



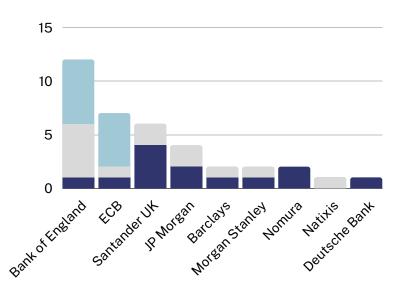
| | Positive | Neutral | Negative | Total |
|--------------------|----------|---------|----------|-------|
| Bitcoin | 16 | 7 | 6 | 29 |
| Britcoin | 3 | 3 | 5 | 11 |
| Ethereum | 8 | 1 | 2 | 11 |
| Dogecoin | 6 | 2 | 1 | 9 |
| € Digital € | 1 | 2 | 5 | 8 |
| Shiba Inu | 3 | - | 2 | 5 |
| Flocki Sand | 1 | - | 1 | 2 |
| ☆ Dollar | - | 1 | - | 1 |
| Litecoin | 1 | - | - | 1 |
| Binance Coir | ا - | 1 | - | 1 |
| Koda | 1 | - | - | 1 |

Bitcoin also had the most "adverse" sentiment (six), two of which warned retail investors of the risks and dangers of investing in the currency. Next were Britcoin and the Digital Euro (five each), described by commentators as a pathway to a "dystopian" future where individuals no longer have ownership of the currency they have earned.



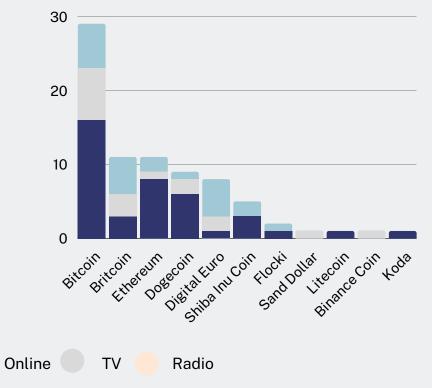
Coverage by Media Type

The graphs below break down sentiment by media type. The conversation is mainly on online and print just like we have seen with the rest of the countries in the report. We can observe that the conversation is mostly predominant on the online media as expected.



| | Print | Online | Radio |
|-----------------|-------|--------|-------|
| Bank of England | 7 | 23 | - |
| ECB | - | 11 | - |
| Santander | 2 | 6 | - |
| JP Morgan | 2 | 6 | - |
| Barclays | - | 4 | - |
| Morgan Stanley | 1 | 1 | - |
| Nomura | 7 | 23 | - |
| Natixis | - | 11 | - |
| Deutsche Bank | 2 | 6 | - |

| | Print | Online | Radio |
|--------------------|-------|--------|-------|
| Bitcoin | 10 | 34 | - |
| Britcoin | 1 | 18 | - |
| ethereum | 4 | 7 | - |
| Dogecoin | - | 8 | - |
| € Digital € | 10 | 34 | - |
| 😔 Shiba Inu | 1 | 18 | - |
| 房 Flocki Sand | 4 | 7 | - |
| ☆ Dollar | - | 8 | - |
| Litecoin | 10 | 34 | - |
| Binance Coin | 1 | 18 | - |
| Koda | 4 | 7 | - |



Print

Top Media Sources

The following tables break down the top media sources that covered the topic of cryptocurrencies in the United Kingdom both for traditional financial institutions and crypto-assets. The conversation is mainly neutral or positive with more distribution happening between print and online media.

| PRINT | Items | Beneficial | Neutral | Adverse | AVE |
|----------------------|-------|------------|---------|---------|-------------|
| Financial Times | 6 | 16.7% | 66.7% | 16.7% | £70,142.07 |
| The Times (UK) | 2 | - | 50% | 50% | £11,486.84 |
| Sunday Times (UK) | 2 | 50% | - | 50% | £111,995.35 |
| The Sun (UK) | 1 | - | - | 100% | £1,287.63 |
| The Independent | 1 | - | - | 100% | £9,689.47 |
| Daily Telegraph (UK) | 1 | - | 100% | - | £24,539.00 |
| Daily Mirror (UK) | 1 | 100% | - | - | £17,743.16 |
| The Observer (UK) | 1 | - | - | 100% | £5,328.62 |
| Daily Mail (UK) | 1 | - | - | 100% | £7,400.53 |
| Daily Star (UK) | 1 | - | - | - | £845.64 |
| The Economist | 1 | - | 100% | - | £7,017.33 |
| The i | 1 | - | 100% | - | £5,546.32 |

| TV | Items | Beneficial | Neutral | Adverse | AVE |
|-------------|-------|------------|---------|---------|-------------|
| BBC News 24 | 1 | - | 100% | - | £279,229.44 |

| RADIO | Items | Beneficial | Neutral | Adverse | AVE |
|----------|-------|------------|---------|---------|------------|
| Bayern 5 | 4 | - | - | 100% | £34,056.82 |
| Bayern 3 | 2 | - | 50% | 50% | £2,479.50 |
| hr-info | 1 | - | 100% | - | £17,666.90 |

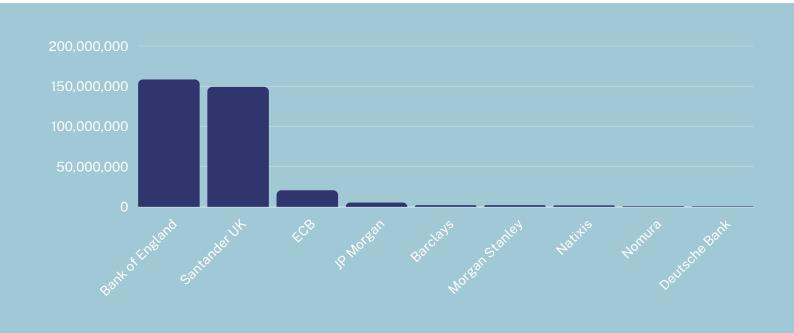
| Online | Items | Beneficial | Neutral | Adverse | AVE |
|-------------------|-------|------------|---------|---------|---------------|
| express.co.uk | 6 | 33.3% | 16.7% | 50% | £2,812,111.56 |
| cityam.com | 3 | 33.3% | 65.7% | - | £34,293.78 |
| bloomberg.com | 3 | - | 100% | - | £35,664.30 |
| independent.co.uk | 1 | - | - | 100% | £604,228.32 |
| inews.co.uk | 1 | - | - | 100% | £56,340.18 |
| dailymail.co.uk | 1 | - | 100% | 0% | £1,714,701.96 |
| Total | 15 | 20% | 36.8 | 33.3% | £5,257,340.10 |





Opportunities To See

Bank of England generated the highest OTS (148,147,008) from 12 items, with website express.co.uk responsible for the largest share (124,982,736) from two items. These both discussed proposals for a centralised digital currency nicknamed "Britcoin". Broadcaster BBC Radio 4 was next with 10,762,000 from one item also discussing the new centralised currency.



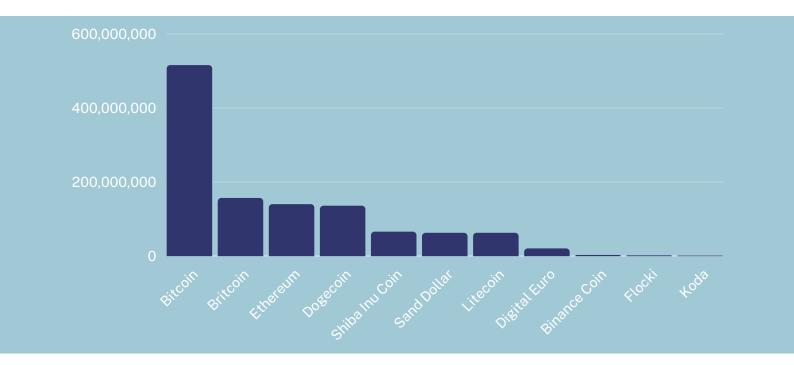
| | OTS |
|-----------------|-----|
| Bank of England | 10 |
| ECB | 1 |
| Santander | 4 |
| JP Morgan | - |
| Barclays | 10 |
| Morgan Stanley | 1 |
| Nomura | 4 |
| Natixis | - |
| Deutsche Bank | 10 |

Next was Santander UK with 148,933,128 from six items, with the lead contributor here being independent.co.uk with 80,563,776 from one item on research showing a £1m rise in cryptocurrency related crime. Express.co.uk was next with 62,491,368 from one item on the same topic.



Opportunities To See

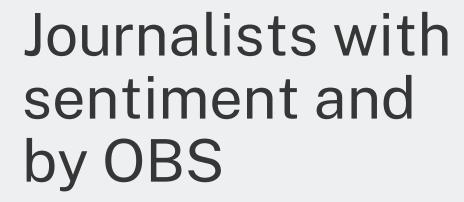
Bitcoin featured the most OTS of any coin (515,651,896) from 29 items, with website express.co.uk responsible for the largest share (249,965,472 from four items). These commented on central bank regulation for cryptocurrencies (one) and the impact of cryptocurrencies on pensions (one). Next was dailymail.co.uk with 228,626,928 from one item giving advice to retail investors.



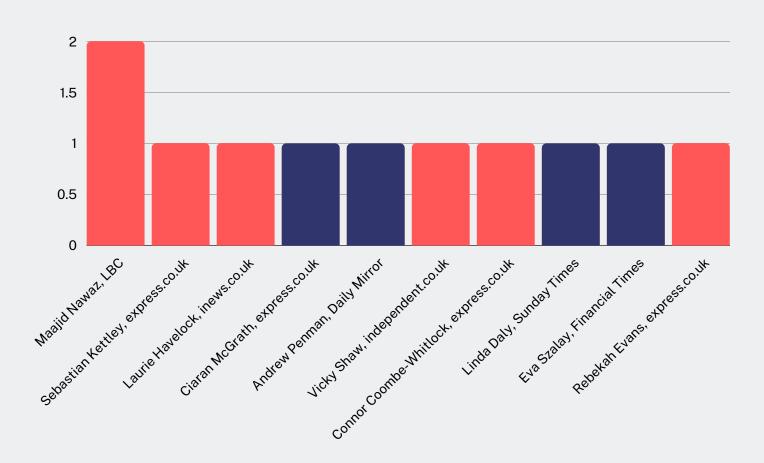
| | OTS |
|--------------------|-----|
| Bitcoin | 10 |
| Britcoin | 1 |
| Ethereum | 4 |
| Dogecoin | - |
| € Digital € | 10 |
| 😔 Shiba Inu | 1 |
| Flocki | 4 |
| ollar 🔆 | - |
| Litecoin | 10 |
| Binance Coin | 1 |
| Koda | 4 |

Next was Britcoin with 156,622,840 from 11 items, the majority of which came from two express.co.uk items (124,982,736) on proposals for the coin's future introduction.





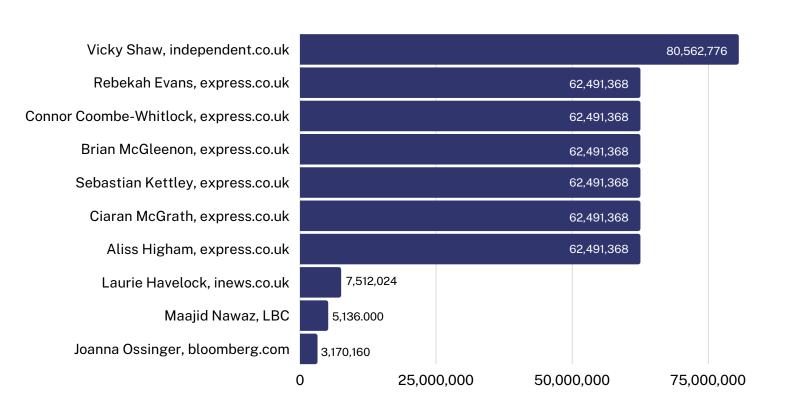
Three journalists contributed two items each, with Maajid Nawaz of LBC responsible for the most "adverse" items (two), criticizing the programmable nature of centralized digital currencies and the impacts these could have on the traditional banking setup. Eva Szalay of Financial Times had two "neutral" items, both of which focused on retail investment and what it is that attracts people to cryptocurrencies from traditional banking products. Joanna Ossinger of Bloomberg.com also had two "neutral" items, with these looking at the slowing financial performance of cryptocurrencies in comparison to traditional investments.





Journalists with sentiment and by OBS

By OTS, Vicky Shaw of independent.co.uk had the most (80,563,776) from one item on cryptocurrency-related crime impacting on the UK banking industry.





Summary United Kingdom

Cryptocurrencies are already having a noticeable impact on the banking industry, with 42.9% of coverage stating they are having an adverse effect, 40.5% commenting that it is too early to say what the impact will be and 16.7% arguing that they will be beneficial for the banking sector in the long term. In terms of the industry's attitudes towards cryptocurrencies themselves, 45.2% of articles were favorable as a whole, with 35.7% unfavorable due to high levels of risk coupled with a lack of regulation. 19.0% of reporting took a neutral stance.

The main argument is that the industry is approaching a sink or swim moment, where banks can choose to either embrace cryptocurrencies or risk being left behind. There is a growing division between more senior banking staff and younger investment staff, an example of which is J.P. Morgan CEO Jamie Dimon publicly criticizing cryptocurrencies while younger analysts speak favorably of their investment potential. Commentators believe that eventually, banks will have no choice, with a common prediction being that those who aren't ready on "day one" are going to find themselves at a huge disadvantage in the long term.

Commentators are suggesting that whether the impact is good or bad will be entirely up to how the industry chooses to handle encroachment from cryptocurrencies.

For retail investors, coverage focuses on two main areas: why so many people are investing in cryptocurrencies and how they can mitigate the risks associated with them. This is important for the banking industry as the more investors shift towards cryptocurrency the less the traditional business model of the banks will remain relevant. The often counter-culture appeal of unregulated cryptocurrencies, driven on by dialogue and "meme wars" on social media, is proving itself to be legitimate in the eyes of more traditional retail investors as they see values skyrocket, though this isn't without its fair share of bankruptcies. financial crimes, and individual horror stories.

About the Analysis

Our teams collaborate together to provide invaluable data and insights by continuously working hard to be on top of the market changes.

GMI members and our people responsible for the analysis we provide to clients have the experience and knowledge that is required for top-level service. These leaders of analysis professionals are also members of prestigious media intelligence memberships such as FIBEP and AMEC.

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