



APRÆMIO

**A deflationary utility token with
a growing backing basket of
gold, community rewards and
multiple use cases**

Whitepaper V2.0

Disclaimer and abstraction

The purpose of this Whitepaper is to present APRA – a deflationary utility token supported by a basket of precious metals offering incentive mechanisms and multiple use cases – to potential investors who want to participate in the upcoming Initial Coin Offering (“ICO”) of the Apraemio company. The information set forth below should not be considered exhaustive and does not imply any elements of a contractual relationship. Its sole purpose is to provide relevant and reasonable information to potential token holders in order for them to determine whether to undertake a thorough analysis of the company with the intent of acquiring APRA Tokens.

Nothing in this Whitepaper shall be deemed to constitute a prospectus of any sort of a solicitation for investment. The document is not composed in accordance with, and is not subject to, laws or regulations of any jurisdiction which are designed to protect investors.

Certain statements, estimates, and financial information contained within this Whitepaper constitute forward-looking, or pro-forma statements, and information. Such statements or information involve known and unknown risks and uncertainties which may cause actual events or results to differ materially from the estimates or the results implied or expressed in such forward-looking statements.

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Abstract

The world economy has been facing a series of considerable challenges for the past few years. The COVID-19 pandemic resulted in a halted economy with struggling supply chains and the necessity for additional currency to be issued by central banks. Towards the end of 2021, an energy crisis started developing, causing skyrocketing fuel and electricity prices throughout Europe. More recent geopolitical conflicts have added to the negative consequences of the energy crisis and have overall put additional pressure on the cost structures of businesses and consumers alike.

As a result of the struggling economy, as well as the efforts of governments to stabilize it through printing additional currency, the reported inflation levels have now surpassed 7%, setting new heights that are even above the financial crisis in 2007-2008 and most recent US recessions. The last Federal Reserve Board (FED) meeting has concluded that a series of raises of the interest rates are necessary to fight the inflation levels. As a result, interest rates were increased by 0,50% instead of the forecasted 0,25%, signifying a potential short-term trend to increase these not only further, but also at higher rates. As a result, the financial markets reacted and stocks and cryptocurrencies plummeted to levels observed during the beginning of the COVID 19 pandemic and even lower.

Due to the rising inflation levels and struggling financial markets, investors are desperately looking for ways to hedge against it. Alternative investment opportunities such as precious metals have been historically considered as some of the best hedging tools against inflation that also offer a well-balanced ratio between ROI and risk. Real estate is also another preferred alternative to the financial markets.

However, profitable investments in these assets are not as easy as it seems. Precious metals can also fluctuate in price and the entry barriers to the real estate market remain high. What is more, in times of an economic turmoil, it becomes increasingly difficult for inexperienced retail investors to find the

right investment opportunity. There is an urgent need for a balanced solution that offers an optimal ratio between investment security, potential ROI and inflation hedge.

The Apraemio project with its APRA utility token is set to provide a solution to all of the aforementioned challenges by introducing a utility token that is backed by a reserve of precious metals that grows over time. Token holders will be entitled to exchange their APRA tokens for high quality gold in the future, regardless of the market price of the token at the time of the distribution. The APRA token will offer multiple use cases ranging from the acquisition of physical gold, car purchasing to cosmetic and real estate services.

In version 2 of the project development, the Apraemio ecosystem will be expanded by a blockchain-based web platform for the acquisition of all aforementioned use cases. The introduction of the blockchain platform will offer a higher degree of convenience and will allow us to further incorporate a gamification program, which will offer passive community rewards in the form of fee cashback.

The company behind the project is a large group of companies with subsidiaries in various countries. One of its subparts, Green Gold System Europe SARL, has acquired the research and exploitation rights on a 65 km² perimeter situated in South-Mali. The company has conducted a geological survey using advanced satellite imaging technology, which suggested that there are precious metal reserves potentially amounting to anywhere between 100 and 500 tons of gold. The total market value of these assets is estimated to be at least 5,5 billion EUR.

With the crowdsale, the company is planning to raise funds to fund the operational costs for acquiring the reserves. 50% of the gold mined will be distributed among the total supply of APRA. Token holders will then be eligible to receive physical gold in exchange for their tokens in continuous distribution rounds. If the crowdsale is successful and the first exploration site proves profitable, the company is further planning to expand its drilling and mining

activities by acquiring the closely situated sites and to extend the gold redemption programme. The project relies upon combining the value appreciation of precious metals, the past experience of the companies behind the project, as well as the high probability of high gold reserves due to the geological surveys conducted.

The APRA token is aimed at providing excellent ROI potential at low risk due to the rarity of the underlying assets backing the token, as well as various use case scenarios for cryptocurrency users.

Our mission is to create a universal cryptocurrency that lays out the foundation of future crypto payments, while remaining an investment asset with a solid price floor and great ROI potential.

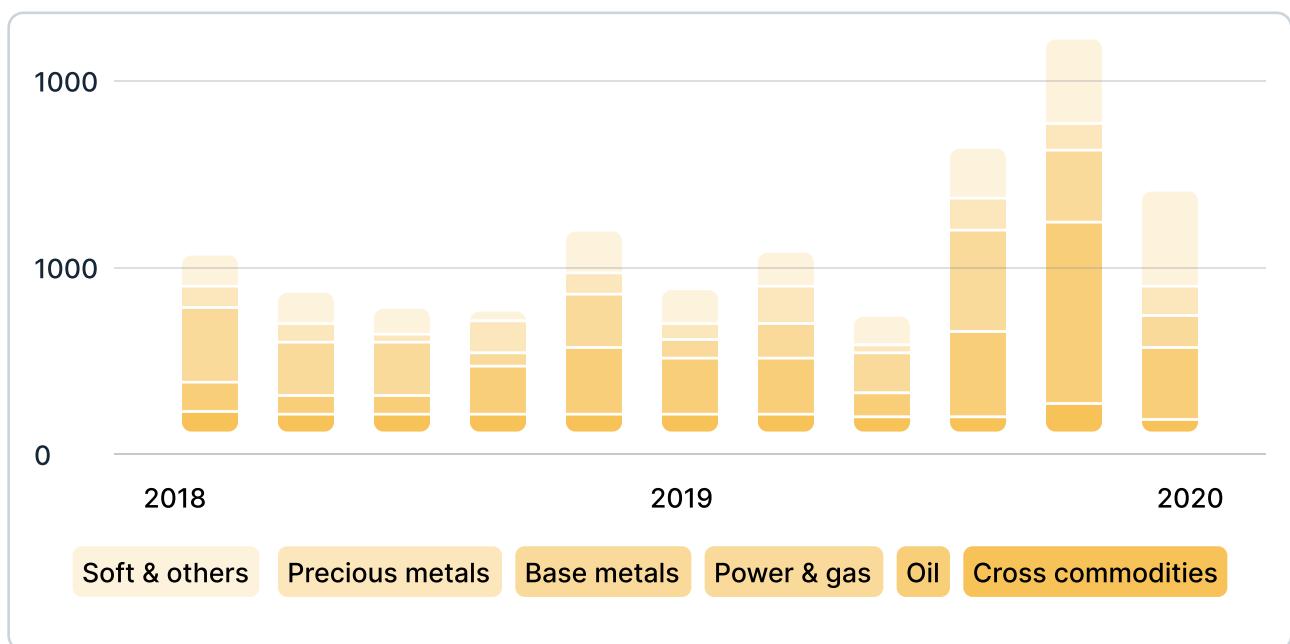
Industry analysis

Precious metals: a safe haven during economic turmoil?

Precious metals like gold, silver and platinum have been historically considered to be among the safest options when it comes to investing due to their rarity, growing demand for them and decreasing rates at which the circulating supply is rising.

Generally, asset classes such as commodities and precious metals in particular have been among the biggest earners for the leading investment banks over the last few years of economic turmoil.

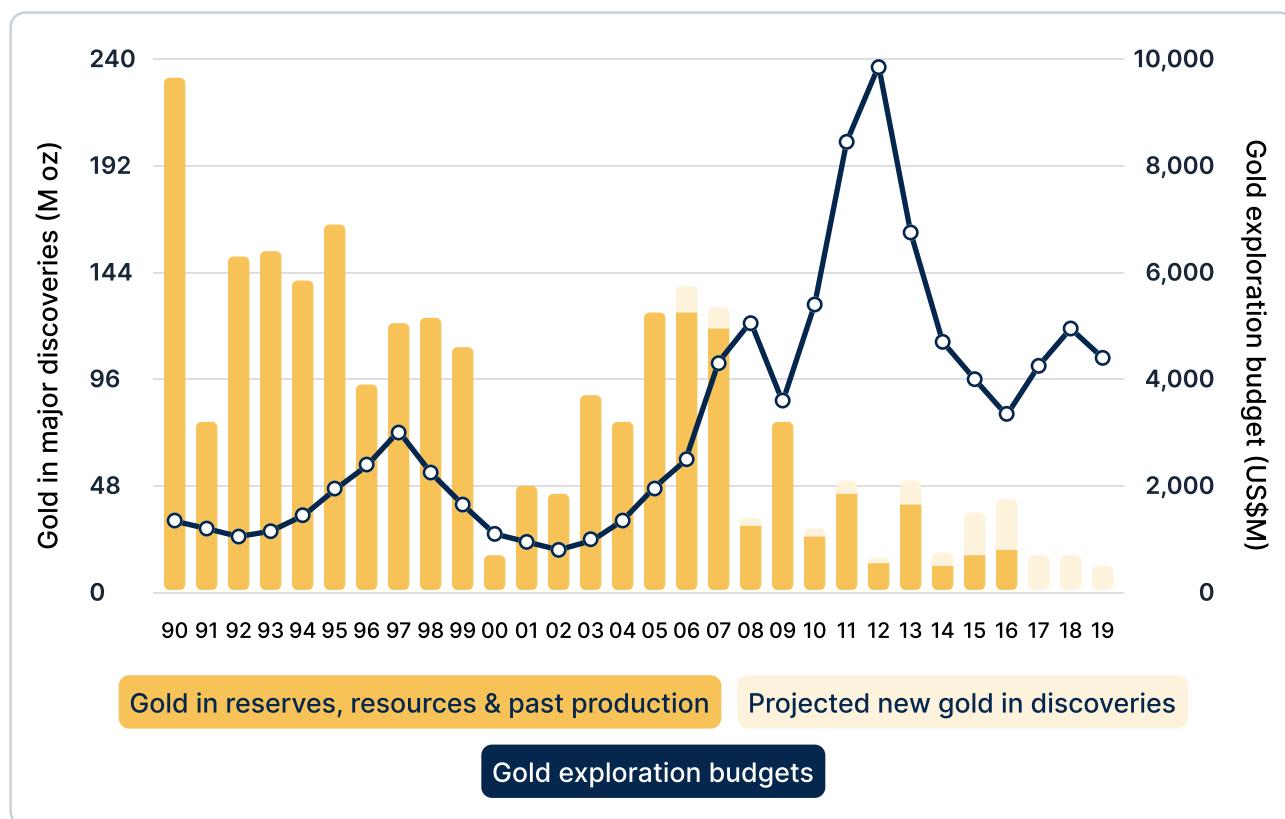
The global precious metal market size was valued at USD 182.1 billion in 2019 and is expected to grow at a compound annual growth rate (CAGR) of 9.0% in terms of revenue from 2020 to 2027.



Commodities bonanza: Commodities-related revenues at the world's ten biggest investment banks boomed in 2021 as the COVID-19 roiled markets. Quarterly revenues data in millions of US dollars. Source: Reuters & McKinsey CiB Insights

Among others, gold has always been the preferred commodity within the precious metals sector. What is more, its use cases in multiple manufacturing industries due to its chemical properties have further contributed toward the demand for the metal and its increasing price. Gold demand worldwide was the highest in the investment sector, which overtook the jewelry industry in 2020 — in part because investors considered gold to be a reliable investment during the health crisis.

Natural resources are a limited commodity - the rate at which new reserves are discovered is decreasing, even with the improved technology we have today for scanning and excavating. As a result, the last decade has been deemed as the “Decade of Underperformance for Gold Discoveries”. Gold mining is flattening out and reversing its growth into a steady but sure decline in the foreseeable future.



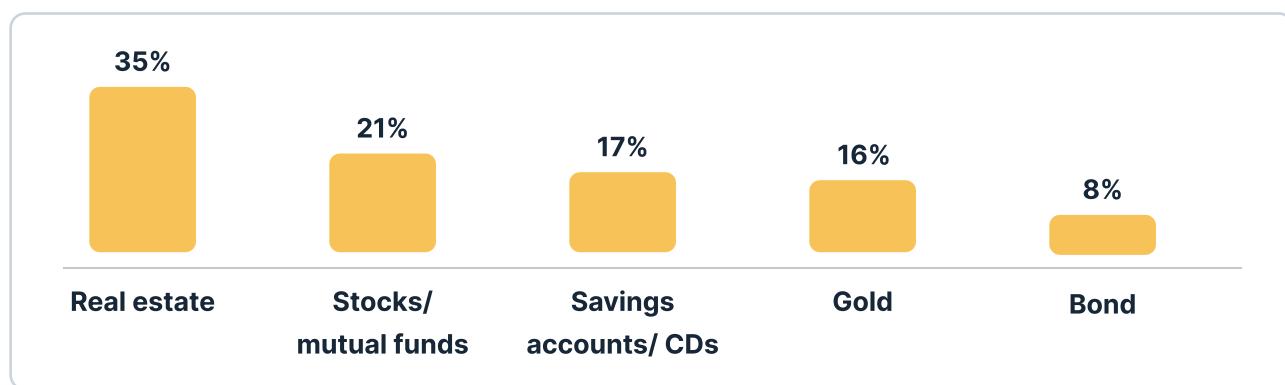
Despite exploration budgets rising to record highs, the projected new gold in discoveries over the last decade has been decreasing. The cost for gold mining compared to the output is thus increasing.

Both of these factors are bound to influence the price of the precious metal in the future, as scarcity at a constant or increasing demand combined with increasing costs of mining will make gold more expensive and potentially bring it to new all time highs.

The Apraemio project will utilize the polymetallic territory that potentially has significant gold reserves in its mine in Mali with a forecasted 100 to 500 tons of gold, significant lithium and other precious metals such as silver in the vicinity to support the APRA token and its surrounding ecosystem.

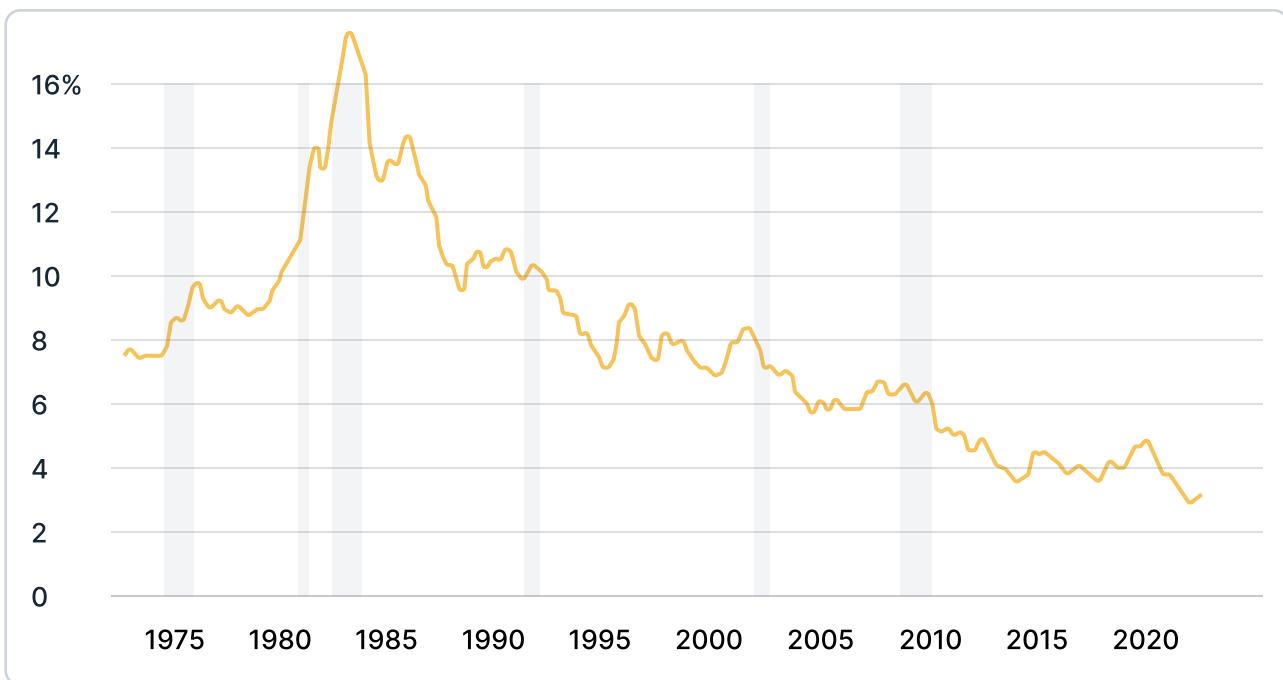
Real estate: an alternative

Next to precious metals and specifically gold, real estate has always been one of the most preferred choices as a secure way to hedge against inflation. Lately, it has been growing even more in popularity due to rising inflation levels, historically low mortgage rates and rapidly increasing demand for housing.



According to Americans, real estate is the best long-term investment.

One considerable factor that plays a decisive role in the rising interest in real estate investment are the record low mortgage interest rates: in 2020, they went down to just 3%. This has been a continuous trend - since 2010, rates have been always below the 5% mark.



30-Year Fixed Rate Mortgage Average in the U.S. A continuous decline signifies that affording a home becomes a more and more realistic scenario.

Still, the real estate market remains largely inaccessible to the smaller investors due to the high entry barriers. For one, purchasing a property requires substantial investments, and only a few can afford it without taking a bank loan. Albeit low, the interest rates still somewhat increase the risks for the investor.

What is more, investing in real estate is not without its dangers, especially when the investor is not experienced:

- The possibility to acquire a property during its early stages of construction offers an attractive price, but also carries the risk of the project never fully going operational due to issues with the construction or legal problems. Some projects fail to get the necessary approvals and lose more than 50% of their value, leaving investors at a loss.
- Many investors are using the services of real estate brokers that charge a percentage of the total purchase price as a commission, putting further pressure on the break-even threshold.

Blockchain technology has offered the possibility of real estate tokenization, which allows smaller investors to participate in real estate investments at much lower entry barriers compared to traditional methods except REITs. Multiple projects within the cryptocurrency space have offered various innovative solutions for the market, and Apraemio plans on becoming one of them.

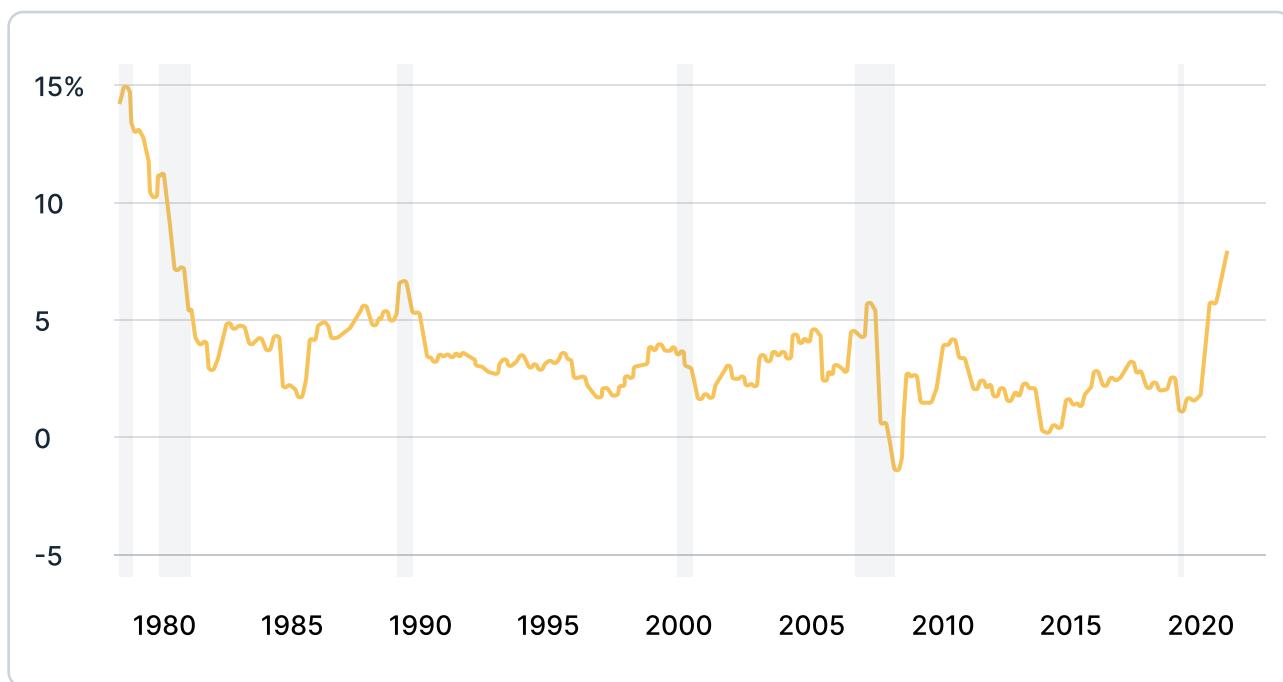
One of the subsidiary companies behind the Apraemio project called Art Property is already selling real estate assets for Bitcoin and Ethereum. The joint project D72 Residence between Apraemio and Art Property will further introduce the APRA token as a payment method, as well as additional use cases for real estate industry stakeholders in the future.

Inflation: a cause for concern

We mentioned the factors for the increased inflation levels in the first chapter of this whitepaper. Among others, these are, but not limited to:

- The COVID-19 pandemic and its devastating effects on multiple sectors where demand decreased dramatically, supply chains were disrupted and the economy started shrinking rapidly.
- The monetary policies that were aimed at supporting the world's economy during the pandemic, which were mostly focused on bringing new currency in the economy in the form of stimulus programs.
- The energy and fuel crisis developing in Europe.
- Geopolitical conflicts resulting in further supply shortages, increased fuel and energy prices - all of which further impacted manufacturing and consumer price indexes.

The results are now at hand:



Consumer price index, percent change from a year ago. The shaded areas indicate U.S. recessions - it is evident that the current levels surpass even the recession during 2008.

More recently, the FED has ramped up the interest rates in order to combat the rising inflation levels. Historic data shows that the interest rates will continue to increase as they did during past recessions, and perhaps even at higher rates. This naturally brings the financial markets to a decline, as money is pulled away and invested in other, more stable assets.

As a result, investors are increasingly looking for investment opportunities that would allow them to protect their savings against inflation. However, with the current volatility and uncertainty in regards to the future monetary politics, as well as the world's political and economic situation, many are reluctant to undertake the risk. Even assets that are allegedly secure against inflation such as gold have suffered over the last several months. Real estate prices have ramped up amidst uncertainty of supply chains for construction companies and whether they will be able to complete their projects in time. Rising interest rates could further impact the real estate market and cause the prices to drop because most investors rely on bank loans.

The APRA token is designed to strike an all-round balance between ROI and risk. The token will further provide multiple use cases within a growing ecosystem of services and products that can be obtained for crypto in the future. We are also planning on introducing a debit card, which will allow APRA holders to directly pay for products and services at the point of interaction as the Apraemio ecosystem expands.

Cryptocurrencies and how they changed financial and investment landscape

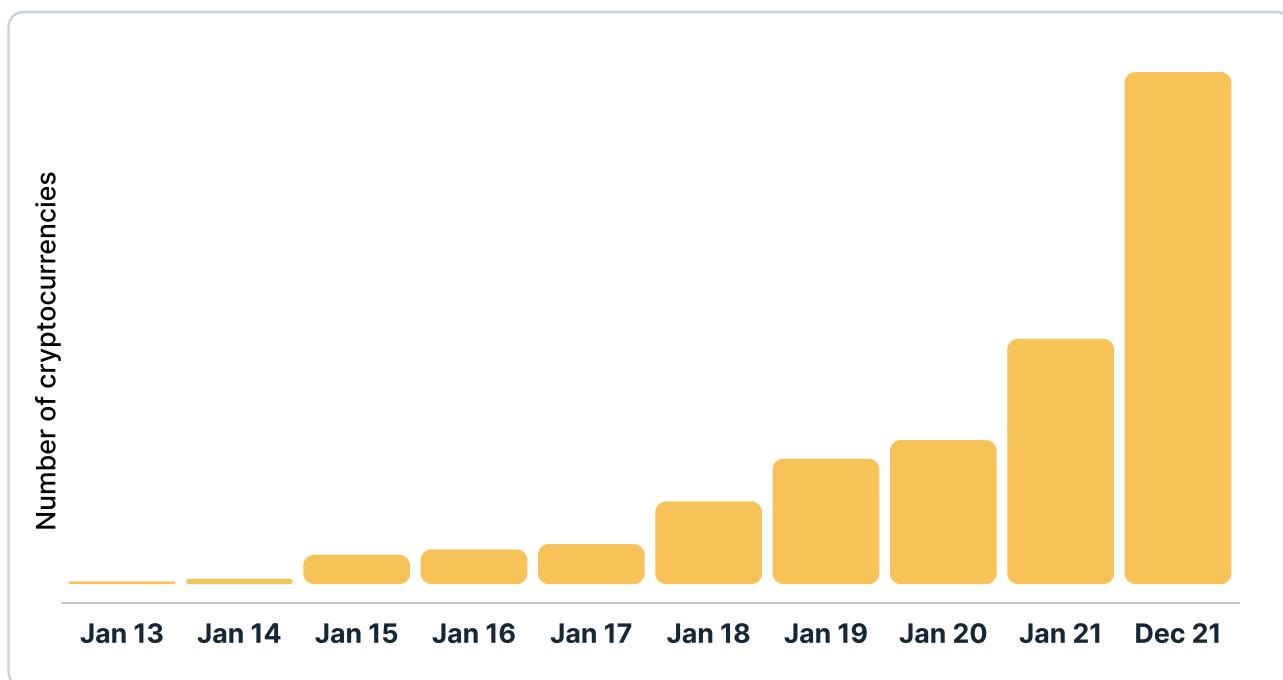
Cryptocurrencies and blockchain technology introduced multiple revolutionary solutions for a variety of industries and opened a new world of possibilities for the financial industry with the advent of Decentralized Finance (DeFi). As a result, their adoption has skyrocketed over the last several years and this trend is bound to develop further in the foreseeable future.

Accessibility to cryptocurrencies as a method of investment has increased greatly as well. Multiple centralized exchanges offer a very easy way for everyone to start investing, with restrictions as little as any other online brokerage platform. New ways of generating income with cryptocurrencies have emerged as well - yield farming through staking, lending and borrowing, providing liquidity on a Decentralized Exchange (DEX), swap farming and many others.

What is more, cryptocurrency project creators have never found it easier to bring their own token to the market - with smart contract templates and the option to provide immediate liquidity for the token via DEX, new tokens are emerging every day at an increasing rate:

There are upwards of 300 million cryptocurrency users across the globe and approximately 18,000 businesses now accept a form of crypto as payment. As of March, there are 18,465 cryptocurrencies in existence.

Growth of cryptocurrency over time:



Growth of cryptocurrencies over time from 2013 to December 2021. Just in 2021, the total number of cryptocurrencies has more than doubled.

However, this leads to the issue with the success rates of cryptocurrencies. Out of the nearly 19,000 cryptocurrencies today, only about 10,000 are actually operational. What is more, the leaders such as BTC and ETH make up the majority of the total market cap of the cryptocurrency sector.

Together, Bitcoin and Ethereum have a market cap of almost 3x the size of the rest of the top 20 cryptocurrencies combined

Cryptocurrencies, as with all other investment assets, hide some risks for inexperienced investors. Profitable decisions in crypto trading and investing require a high level of experience - not only in macroeconomic, financial and technical analysis, but also in terms of blockchain knowledge and the cryptocurrency market. Investors should be able to conduct a thorough fundamental analysis and decide whether the project offers an innovative solution, whether the tokenomics of the project are sustainable and many others. Furthermore, it is also important to have some technical knowledge — being able to spot projects that have implemented dubious back doors in their

contracts allows investors to stay away from so-called “rug pulls”. This has been especially important recently, as rug pulls became much easier to pull off due to the wide accessibility offered to such projects through DEX platforms.

More recently, the cryptocurrency market has been shaken by the crash of one of the four leading stablecoins, Terra USD (UST). The token lost its peg to the dollar, resulting in sudden price decrease of an allegedly stable asset and the loss of billions of dollars in value over the course of a few days.

Stablecoins are an important foundation of the cryptocurrency market as a whole, and the case of UST raised many red flags, especially concerning algorithmic stablecoins that rely on programming rules for supply correction. This has also caused policy makers to call for more sharp regulations regarding stablecoins, which will inevitably serve as a learning point for the whole industry, hopefully resulting in a higher security for investors in the future but without harming the degree of decentralization within the market.

It is evident that choosing the right investment opportunities on the cryptocurrency market can be difficult. One important factor is whether the cryptocurrency or token has a tangible asset behind it that can secure some degree of price flooring even during turbulent market times. Further factors include the level of variety in the use cases, as well as the foundation behind the project in the face of the project's company. Last but not least, the token economy of the project will become more important than ever, favoring deflationary over inflationary tokens.

APRA is a deflationary utility token with a solid foundation of a growing reserve of precious metals, as well as comprehensive tokenomics aimed at making the token sustainable in the long run. The token will further offer multiple use cases across several sectors.

Problems at a glance

Problem

Turbulent market conditions making it difficult for inexperienced investors to come up with an entry and exit strategy, as well as to select the right investment opportunities. The results are at hand — merely 5% of retail investors on the stock and cryptocurrency markets make money in the long term.

Problem

Even stable investment vehicles that are supposed to protect against inflation have become volatile and are thus to be approached carefully by non-experienced investors. Assets like gold and real estate have formed bubbles that, if bought into, can result in the adverse effect of inflation hedge for investors after a market price correction.

Problem

There is a decreasing success rate of cryptocurrencies at a rapidly rising total number of new projects launched every day. The expertise required by investors continues to rise and the depths of the knowledge required to make profitable decisions expands.

The solution: Apraemio



APRA is a deflationary utility token with a growing backing basket of precious metals and a variety of use cases. We plan on establishing APRA not only as an all-round, low risk investment asset with high potential ROI, but also on offering a variety of innovative complementary use cases to its holders through the creation of a cutting-edge, blockchain-based web platform in Version 2 of the project development. We intend to introduce various community rewards and a growing set of multiple use cases that will be unique to the APRA token.

Our mission is to create a next-generation cryptocurrency that lays out the foundation of universal crypto payments, while remaining an investment asset with a solid price floor and great ROI potential.

The Apraemio ecosystem will combine the following concepts under one roof:

Version 1

- Gold mine exploration and The gold redemption programme (redeeming APRA tokens for physical gold)
- Various use cases such as the acquisition of services and products paid in APRA: car sales, APRA debit card, physical gold, real estate, beauty services and more.

Version 2

- The Apraemio web-based, blockchain platform (facilitating all utility token use cases)
- The community rewards (the gamification program, fee cashbacks and discounts).

One of the core use cases of the APRA token and the main backbone of the Apraemio ecosystem in its initial version will be the possibility for token holders to exchange their tokens for physical gold. The gold will be derived from the exploration project that one of the companies behind the Apraemio project has acquired. The exploration site covers a 65 km² perimeter situated in South-Mali (Komassala). We have also been granted the full exploitation rights on the basis of the Convention signed 2015 with the Government of the Republic of Mali and renewed in accordance with the new Mining Code in 2020.

After conducting several geological surveys using advanced satellite technology, between 100 and 500 tons of gold and other valuable precious metals were estimated to be on the site. Even in the conservative scenario, in which a total of 100 tons of raw gold will be mined in total, the total market value of the asset will amount to about 5,5b EUR, which is much higher than the planned funding goal of APRA.

To reward token holders for supporting us in gaining the required funds to conduct the drilling and mining operations, we will distribute 50% of the total

gold mined among the full supply of 1 billion APRA tokens and will allow every investor to exchange their tokens for real gold as soon as we have generated output from the mining operations. One APRA token will be initially equal to 0,1g of raw gold based on the forecasts, which can be subject to change depending on the total gold that is mined. If more or less gold is mined, this quantity will be multiplied by the respective factor.

The Apraemio ecosystem will roll out in two major versions. In Version 1, the APRA token will offer much more than the gold redemption mechanism, which is designed as a way to secure a solid price floor for the token and support the facilitation of our cryptocurrency ecosystem. Thanks to our expertise in multiple markets, our established connections, as well as the large number of companies behind the Apraemio project, we have the possibility to offer a wide variety of services to token holders. Some of these services are, but not limited to:

Version 1

- Purchasing physical gold
- Apraemio debit card
- Car purchasing
- Purchases of real estate assets
- Beauty services
- Various other services and products

In Version 2, we are planning on introducing a blockchain-based web platform where users will have access to these products and services at discounted prices. The APRA token will further offer various incentive mechanisms enabled by the gamification program. Token holders will have access to fee cashbacks from the specifically dedicated community pool of APRA and other rewards such as additional discounts on services and products. Spending APRA tokens or exchanging them for gold will yield points to community members and allow them to advance in the ranks within the Apraemio ecosystem.

Last but not least, we are planning to dedicate a percentage of the revenue generated within the Apraemio ecosystem to charity initiatives. Initially focused on the region where our exploration project is situated, we plan on expanding the scope of our campaigns beyond the local area and throughout Africa.

The Apraemio ecosystem is planned to become one of the most comprehensive solutions on the cryptocurrency market powered by a multi-purpose, next-gen utility token that has a solid price floor and a wide array of mechanisms for rewarding its holders.

Problems and solutions by APRA

Problem

Gold investing, albeit historically profitable and considered one of the best inflation hedges, is still complex for the inexperienced investors. Furthermore, multiple cryptocurrencies based around gold turned out not to be sustainable.

Solution

The company behind the Apraemio project has already conducted a geological survey with high tech satellite imaging technology that creates a 3D map of the ground. Large reserves of gold, lithium and other precious metals were suggested to be on the site that the company currently operates in a report that has been constructed in compliance with the JORC Code (a professional code of practice that sets minimum standards for Public Reporting of minerals Exploration Results, Mineral Resources and Ore Reserves). This can potentially greatly reduce the risk for APRA investors by removing the insecurity of the exploration phase.

APRA token holders will be able to exchange their tokens for 50% of the total amount of gold that has been mined, regardless of the current market price of APRA. This means that investors are essentially immune to gold price fluctuations and will eventually be eligible to redeem their tokens for physical gold that will have much higher value than the initial launch price of APRA. The growing reserve basket of precious metals will be proven and publicly disclosed, ensuring full transparency for investors.

Problem

High competition on the financial and cryptocurrency markets that require a considerable degree of experience and knowledge from the investors. Furthermore, many cryptocurrencies on the market are lacking a sustainable mechanism to support their price. Even stablecoins, especially algorithmic stablecoins, are known to sometimes lose their peg. This could undermine the whole cryptocurrency market, as most transactions are done precisely in stablecoins, and result in catastrophic losses for many who are relying on storing their crypto wealth in an allegedly stable asset.

Solution

APRA tokens are the perfect solution for both experienced and inexperienced investors who are looking for a well-balanced reliable investment. By essentially backing the token with the precious metals, we are ensuring a solid price floor for the token, allowing a higher degree of security and lower chance of high volatility through price fluctuations. Our Gold redemption programme will offer investors a secure and reliable way of hedging against inflation and the potential to gain an outstanding ROI on their APRA tokens.

Problem

Many projects with utility tokens are focused on one or few token use cases. This makes them limited to a great extent.

Solution

The APRA token will offer access to multiple services from various industries. What is more, in Version 2 of the Apraemio ecosystem development, we will introduce the blockchain platform which will allow us to continuously expand the use cases of the token and include more services and products that can be conveniently connected to crypto payments as the ecosystem develops.

Problem

Only a few projects on the cryptocurrency market are currently offering sustainable incentive mechanisms to reward a continuously flourishing token economy through increased spending motivation.

Solution

In Version 2 we will implement a gamification program that will not only reward users with increasing discount rates on all services and products on the platform, but also with a higher fee cashback and token rewards from the specifically dedicated community pool. These tokens can also be redeemed for gold, as the total supply of APRA is tied to 50% of the value of gold mined by the project.

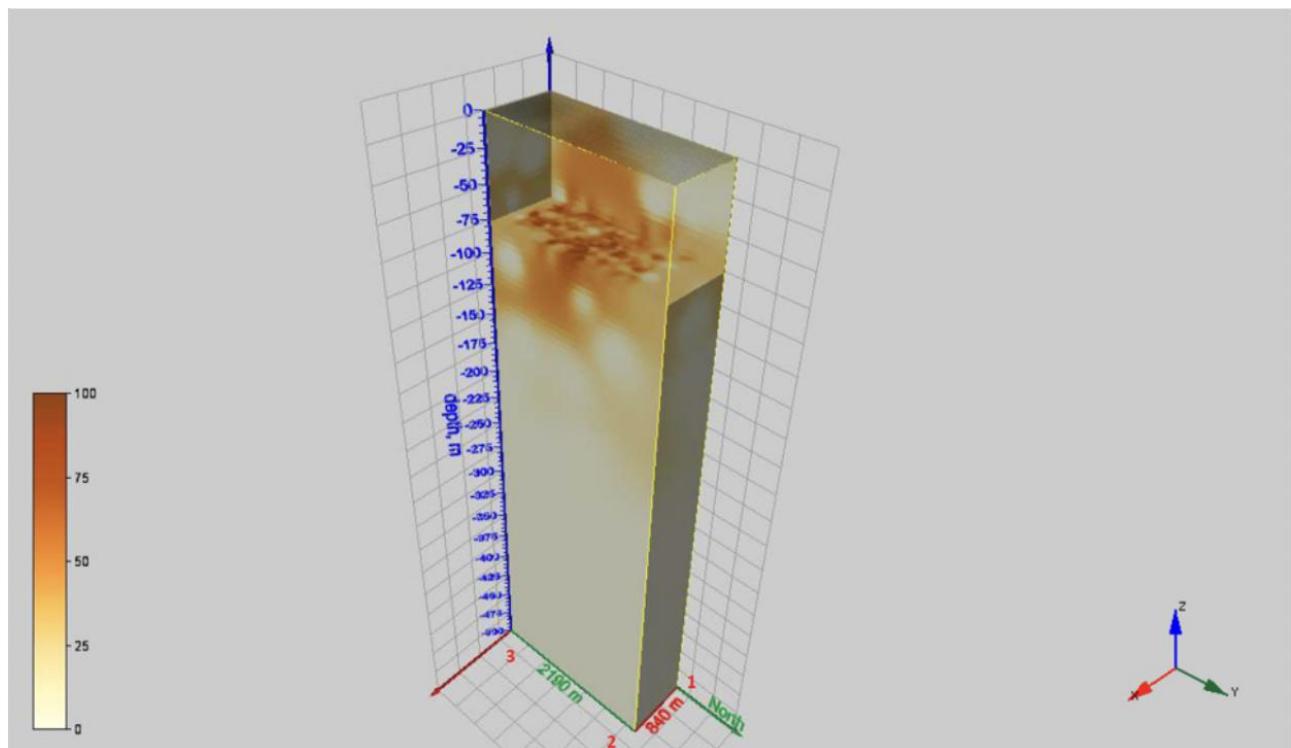
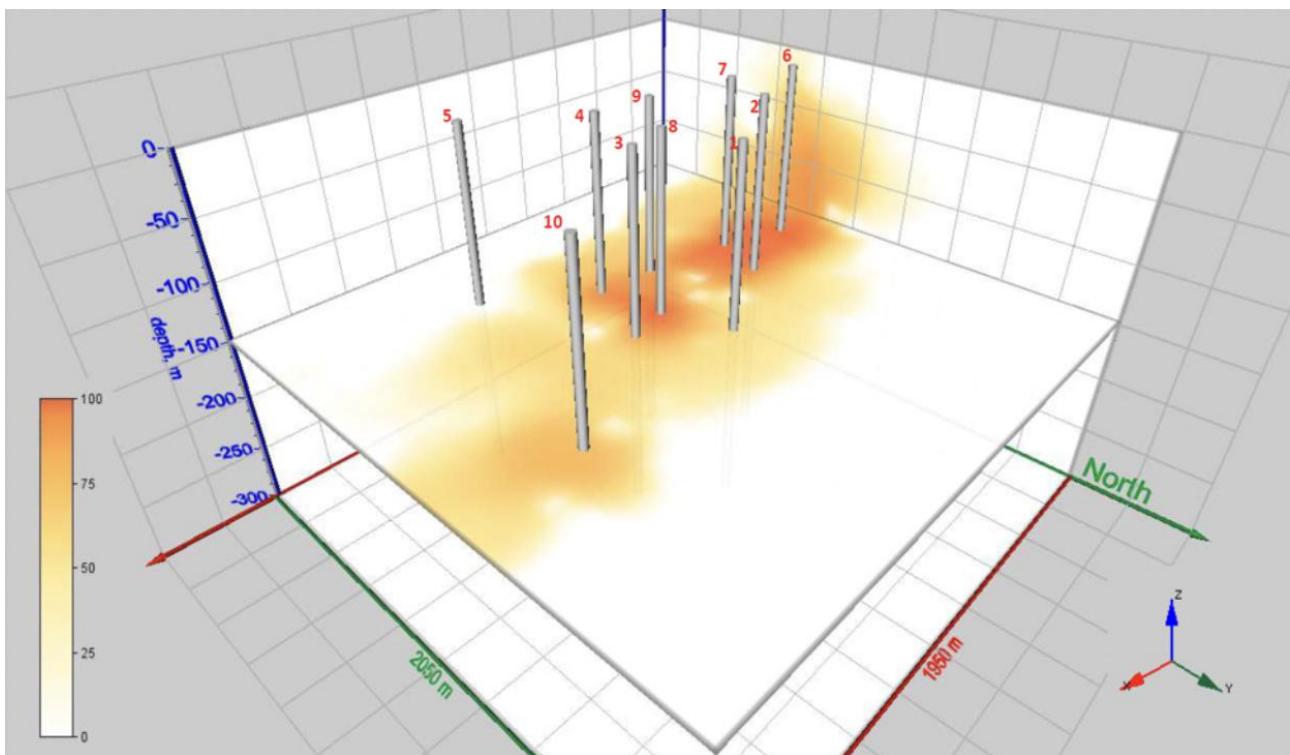
The Apraemio ecosystem: Version 1

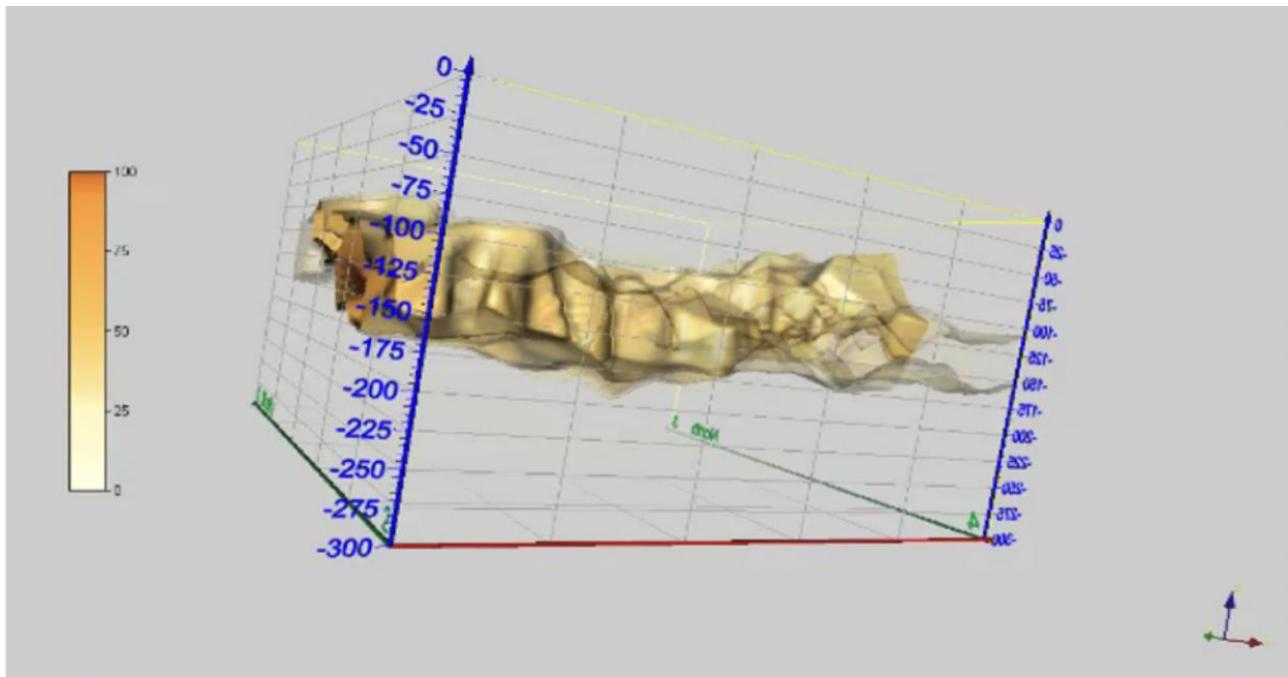
The gold exploration

At the core of the Apraemio ecosystem will be the gold exploration and redemption mechanisms that will support the token and provide investors with a high degree of security by tying every APRA of the total supply to a percentage of the gold mined by the project. 50% of the proceedings collected via the crowdsale will be dedicated towards funding the operational activities related to the drilling and gold mining.

Through its two subsidiaries — Green Gold System Europe SARL and Apesco Holdings Limited - the company behind the Apraemio project received the exploitation permit for a 65 km² perimeter situated in South-Mali (Komassala). The permit has been granted on the basis of the Convention signed 2015 with the Government of the Republic of Mali and renewed in accordance with the new Mining Code in 2020. After conducting multiple geological surveys using advanced satellite imaging technology, we prepared a report on the possible outcome of the mining endeavors. It has been estimated that a total of 100 to 500 tons of gold and precious metals are on the mine's premises.

Here are some images with the results from the survey. The highlighted areas signify the concentration of gold, while the columns indicate the depth.





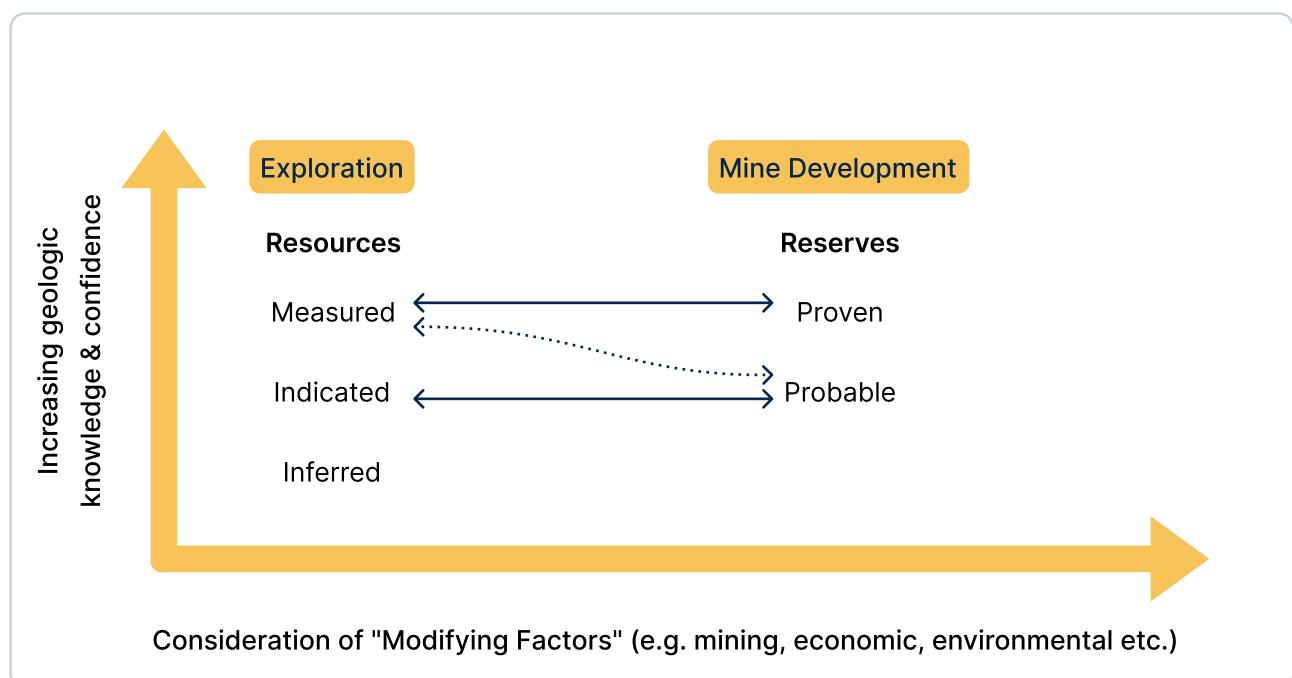
Satellite imaging technology has taken the multiple sectors that heavily rely on exploration by storm. These include petroleum exploration, miners and precious metals, archeological investigations, groundwater exploration and other sectors.

Apraemio has conducted a survey in conjunction with VMF Exploration Technology and Special Scientific Mathematical Algorithms. The companies perform advanced geological surveys using the latest 3D imaging technology and are among the leaders in this sector. The methodology used focuses on detecting specific properties of chemical elements up to 8 kilometers depth in the ground and sorting the results using special algorithms that have been tested and optimized through numerous tests.

- The technology can analyze virtually any area regardless of size and location
- Analysis is possible up to 8 kilometers depth
- The estimation of reserves offers 98% accuracy
- The technology can analyze up to 100 square kilometers in just 2 months
- The results are reported via an interactive 3D model
- The process is environmentally friendly

The technology uses advanced mathematical analysis based on equations for vector potentials and analytical and statistical analysis. It detects electromagnetic radiation of different elements in the ground with its unique amplitude and frequency and uses mathematical algorithms to distinguish between their nature. The electromagnetic radiation can be captured above the surface and is analyzed to filter out the electromagnetic field, generated by the substance of interest.

The below illustration depicts the two main phases of gaining the precious metals through the mining endeavors - the Exploration (first phase) and Mine Development (Second Phase).



The phases are initiated from bottom to top and increase with the additional mining effort that is invested into drillings.

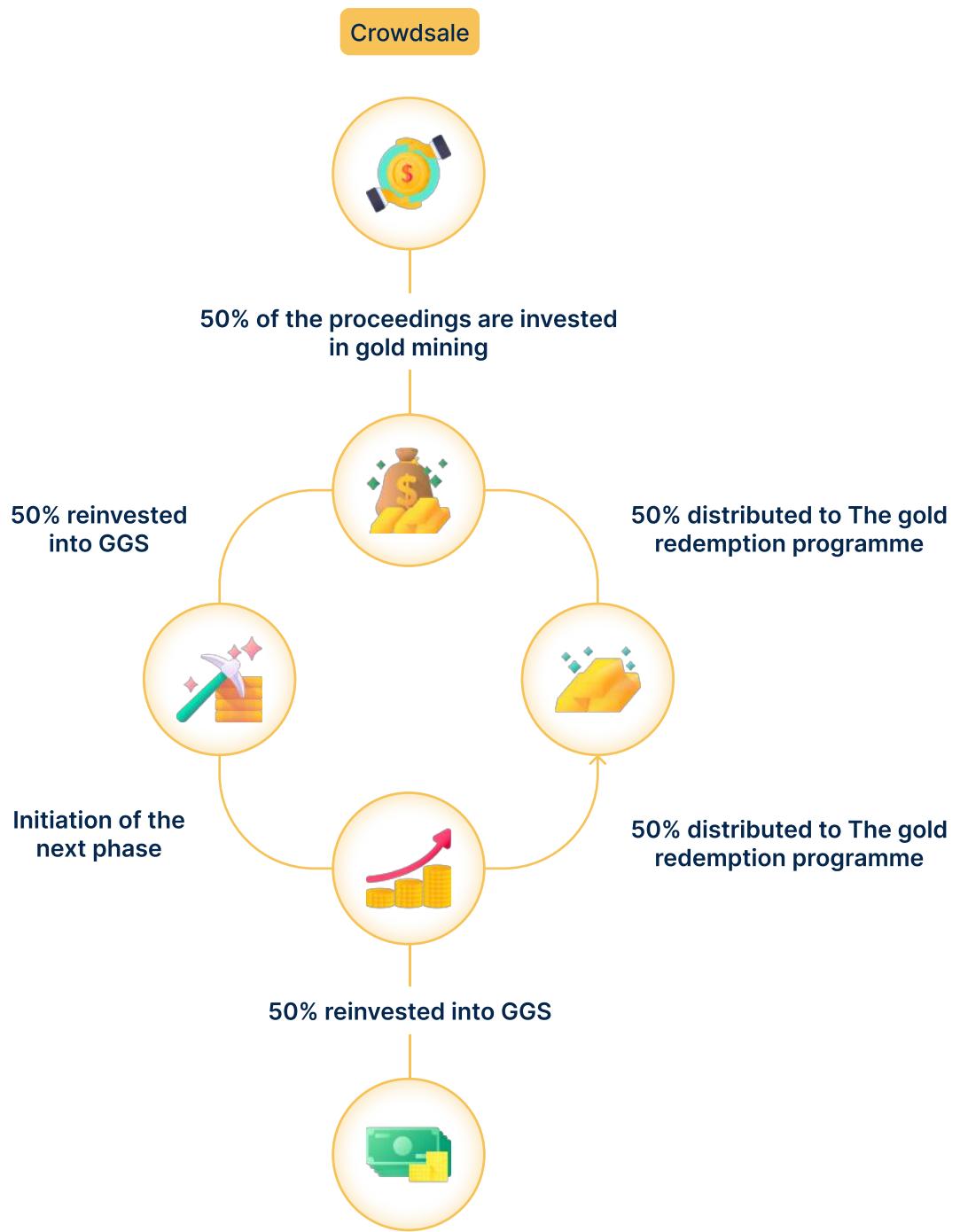
Tons of gold	100	200	300	400	500
Measured — 100 %	100	200	300	400	500
Indicated — 60%	60	120	180	240	300
Inferred — 25%	25	50	75	100	125

The table above depicts the assessment types of the mine exploration. This table is specifically focused on the exploration side. Inferred, Indicated, and measured resources are different types of certainty. These categorizations depend on the number of drillings and the density of the holes.

In simple terms, initiating only the first phase (inferred) means that there is a certainty of 25% that the total amount of gold that is currently on the site. Initiating the next phases will further result in 60% and 100% certainty respectively.

50% of the gold gained through the mining endeavors will be reinvested into funding the operational costs for initiating the next phases, making sure that we will continue with the drilling and mining operations. The other 50% will be reserved for The gold redemption programme (more on that in the next chapter).

Here is an overview of The gold exploration and The gold redemption programme. The graph shows the split between the gold mined that is reinvested into further drillings and dedicated to The gold redemption programme.



The first step is the crowdfund, 50% of which is dedicated towards covering the operational costs of drilling plus mining and initiates the first step. The reinvested amount in further drillings will cover the operational costs, with the rest kept as revenue for the Apraemio project. After each phase, the required operational costs are covered by the revenue from the previous one. The gold redemption programme receives another 50% of the gold that is mined in every phase.

Even in the most pessimistic scenario, in which there are 100 tons of gold in the ground, we will still be able to initiate all three phases, as the proceedings collected through the 12.5 tons of gold (50% of 25 tons) will be enough to fund our operational activities for the next phase.

Apraemio is committed towards transparent reporting of the total amount of gold mined and disclosing the results of each phase publicly on the website. An additional audit by an independent third party will also be requested to essentially decentralize the reporting process. Live cameras will be installed on the site and the operations will be streamed 24/7, allowing every investor to track our progress and be assured that we are continuously working on conducting the operational activities.

Last but not least, we have been present in Mali where the exploration project is situated for over 8 years now and have established good relationships with local businesses and the population in the area. This will ensure that we are less likely to encounter regulatory or other issues that sometimes can impair mining operations.

It would further allow us to expand our exploration, drilling and mining endeavors in the future and acquire additional territories in the close vicinity. We have already selected a nearby site as a potential expansion territory. The funding required to initiate the exploration project will be secured through the revenue generated from the first project, as well as from the Apraemio ecosystem and the APRA token.

The gold redemption programme

One of the core use cases of the APRA token and the main backbone of the Apraemio ecosystem will be the possibility for token holders to exchange their tokens for real gold.

Gold redemption will be one of the unique use cases of the APRA token that is directly connected to the main activity and source of revenue of the company — gold mining. Every of the 1,000,000,000 APRA tokens will be tied

to 50% of the gold acquired and will be redeemable for APRA tokens in proportionate amounts based on the current stake of the investor in the total supply of APRA. The stake will be measured on a percentile basis.

The gold mined will be securely stored in our vaults in Vienna. Since the process of gold exploration, drilling and mining will be continuous, new physical gold will be continuously added to the storage and will increase the gold reserves and thus the rewards that investors are eligible for from the Gold redemption programme.

Here is a table with the different scenarios we discussed in the previous chapter with the calculation for the Gold redemption programme.

Gold mined	Gold distributed among APRA (50%)	APRA to gold equivalent based on the current market price of gold
100	50	1 APRA = 0,05g of gold = 3,00 USD
200	100	1 APRA = 0,10g of gold = 6,00 USD
300	150	1 APRA = 0,15g of gold = 9,00 USD
400	200	1 APRA = 0,20g of gold = 12,00 USD
500	250	1 APRA = 0,25g of gold = 15,00 USD

The initial gold that will be distributed will be based on the JORC compatible report. We will send a report every month to the token holders with the monthly accounting data that shows the amount of gold the holders are entitled to.

Here is the basic formula based on which we will determine the exact amount of gold every investor is entitled to. X is the amount of gold each APRA token carries for the investor:

$$X = (\text{Stake in APRA in \% * Total gold to be distributed}) / \text{Stake in APRA in tokens}$$

In order to clarify this, we will use a practical example:

1. Assuming a balanced scenario of 200 tons of gold mined after all three phases as explained in the previous chapter, 50% thereof (100 tons) will be distributed among APRA investors. We will change the tons to grams so that we can perform a calculation allowing us to determine the value of 1 APRA in grams of gold. 100 tons are 100 000 000 grams.
2. Investor John holds 1% of the total supply of APRA in circulation. Since the total supply is 1 000 000 000, this means that John holds 10,000,000 APRA tokens.

$$X = (1\% * 100\ 000\ 000) / 10\ 000\ 000$$

OR

$$X = 0,1g$$

This means that 1 APRA token equals 0,1g of gold. The current market price of gold per gram at the time of writing is around 60 USD, which means that 1 APRA will entitle the holder to a gold valued at around 6 USD. As we also conveyed in our industry analysis chapter, the price of gold is likely to increase in future, but since we are unable to forecast it, we will keep it constant.

Even in the pessimistic scenario in which only 50 tons of gold will be distributed among token holders and the price of gold remains constant, this still results in 0,05g of gold per APRA or 3 USD per token in monetary value, which is 300% higher than the ICO launch price of 0.75 USD.

As we mentioned earlier, the total supply of gold that the APRA token is tied to will increase over time with further progress of our exploration, drilling and mining endeavors. This provides a natural incentive for APRA holders to not redeem their APRA tokens in the earlier stages, during which the total amount of gold mined will be a fraction of the full potential of the mine.

Using the example above, investor John has chosen to not redeem his APRA tokens and instead to wait out for more gold to enter the reserves. A year later the reserve has doubled to 200 tons, which results in the following recalculation:

$$X = (1\% * 200\ 000\ 000) / 10\ 000\ 000$$

OR

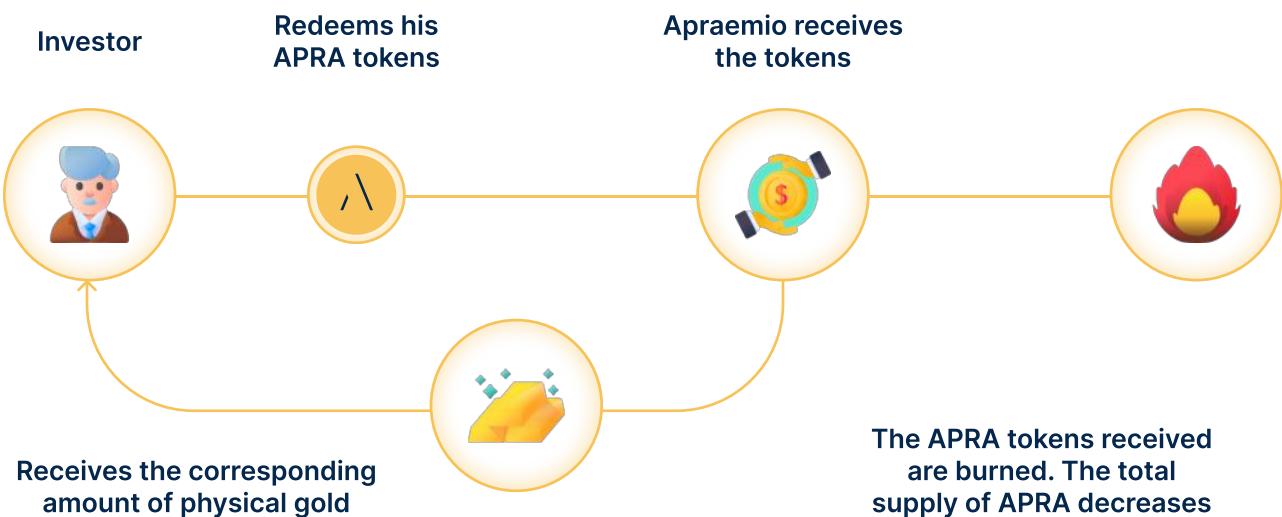
$$X = 0,2g$$

Had he chosen to redeem his APRA for gold earlier, investor John would have gotten just half of what he is entitled to one year later. This encourages APRA holders to not redeem their tokens right away and instead to wait out later stages of the gold reserve formation.

At the end of each month, after the reserve reporting is out, the stake every holder currently holds in the total supply of APRA will be calculated and the corresponding amount of gold to 1 APRA will be calculated.

1. We will take a snapshot of every wallet at a previously defined date to determine the current stake of every investor in the total supply of APRA.
2. We will calculate the amount of gold that has been mined for that period, disclose it publicly and dedicate 50% to the Gold redemption programme
3. We will calculate the stake every investor is eligible to redeem their tokens for
4. The gold will be distributed across all holders who wish to do so
5. The reserves will increase continuously as new gold enters the reserve

All APRA tokens that are redeemed in the Gold redemption programme will be burned after the Apraemio project receives them. This will ensure a steadily decreasing supply of APRA and a deflationary token.



Additional use cases of the APRA token

Beyond The gold redemption programme, the APRA token will have many different use cases that holders will be able to access. While each of these services can be obtained with fiat through traditional channels, using the APRA token through the Apraemio blockchain platform will yield variable discounts to all holders that can also be increased by advancing in the gamification ranks.

The gold redemption programme

As previously mentioned, APRA token holders will be able to exchange their tokens directly for gold based on the explained formula.

Gold purchasing

One of the main companies behind the Apraemio project, Arteus Capital GmbH, has been involved in the sale and distribution of investment gold bars and coins for almost 15 years. APRA token holders will be able to directly purchase physical gold with their tokens.

Car selling

One of the companies behind the Apraemio project, Cartis Flottakezelő Kft., offers car fleet management services for small and medium-sized enterprises. The company is situated in Budapest, Hungary and has a client portfolio of nearly 200 customers. APRA token holders will be able to get access to all services of the company with the APRA tokens at lower prices.

Real estate services

APRA token holders will get access to the real estate portfolio of Art Property, a company that is already accepting Bitcoin and Ethereum for real estate purchases. The company already has the required infrastructure for cryptocurrency payments, which will allow for a seamless and cost-efficient integration of APRA as a payment method.

The Apraemio ecosystem: Version 2

The Apraemio blockchain platform

The Apraemio blockchain platform will be a web-based application with an integrated dashboard for cryptocurrency payments that will also serve as a listing platform of the variety of aforementioned services and products offered by the companies behind the Apraemio project. The platform will be at the heart of the project's ecosystem in its second version and will facilitate all utility use cases of the APRA token including The gold redemption programme.

The platform will allow users to integrate their accounts with the leading wallet providers on the market such as Metamask and Trustwallet. Token holders will be able to connect their favorite wallet directly and execute payments at the point of interaction. The transactions will be automated and verified through the dashboard. Users will have an overview of all of their past purchases, as well as gold redemption rounds. Users will further have the overview of their ranks from the gamification program, allowing them to see their current levels, discounts they are eligible to receive, as well as fee cashbacks.

The platform will be a step-up in the user experience of APRA holders in their interaction with the Apraemio ecosystem from its initial form.

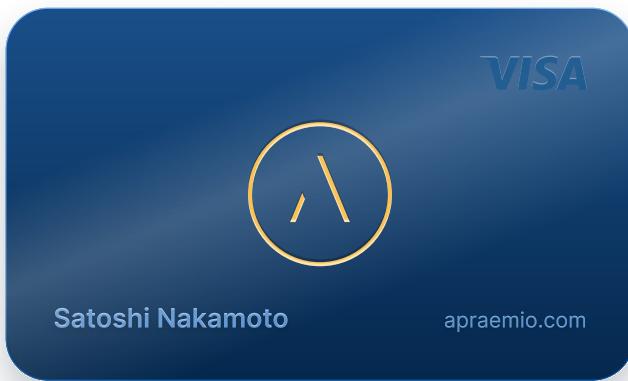


APRA token holders will get access to the real estate portfolio of Art Property, a company that is already accepting Bitcoin and Ethereum for real estate purchases. The company already has the required infrastructure for cryptocurrency payments, which will allow for a seamless and cost-efficient integration of APRA as a payment method.

- Access to all listings of services and products on the platform
- Current balance of APRA, all past APRA transactions, list of all services / products acquired, including gold redemption rounds through the programme
- Current gamification rank and discount levels, as well as the fee cash back percentage the user is entitled to and the amount of APRA received through the fee cash back
- Information about important updates, next gold redemption rounds and announcements
- Voting panel on charity initiatives

The Apraemio debit card

We will introduce a debit card in order to allow APRA holders to directly pay for products and services at the point of interaction as the Apraemio ecosystem expands.



Community rewards

The Apraemio project will implement a comprehensive gamification system that will reward community members for their contribution to the Apraemio ecosystem. Users will receive points for spending APRA tokens or redeeming them for gold.

Rank hierarchy

	<p>The user has spent at least 5,000 APRA tokens</p> <p>Rewards:</p> <ul style="list-style-type: none">• Additional discount on all products and services acquired with the APRA token• Fee cash back from the community pool plus transaction fees: the total amount split among Observer ranks will be 10% in equal shares
APRA Supporter	<p>The user has spent at least 10,000 APRA tokens</p> <p>Rewards:</p> <ul style="list-style-type: none">• Additional discount on all products and services acquired with the APRA token, higher than Supporter rank• Fee cash back from the community pool plus transaction fees: the total amount split among Contributor ranks will be 15% in equal shares
APRA Investor	<p>The user has spent at least 15,000 APRA tokens</p> <p>Rewards:</p> <ul style="list-style-type: none">• Additional discount on all products and services acquired with the APRA token, higher than Investor rank• Fee cash back from the community pool plus transaction fees: the total amount split among Professional ranks will be 25% in equal shares
APRA Pro	

APRA VIP

The user has spent at least 20,000 APRA tokens

Rewards:

- Additional discount on all products and services acquired with the APRA token, higher than Pro rank
- Fee cash back from the community pool plus transaction fees: the total amount split among VIP ranks will be 50% in equal shares

All community members who have a rank in the gamification program will also receive periodic token drops of APRA from the community pool.

Initiation of additional exploration projects

Throughout Version 2 of the ecosystem development and beyond, we are planning on reinvesting the revenue generated through our first exploration project in the acquisition of additional territories in Mali. We will initiate several geological surveys on several nearby territories we have already selected to determine those with the highest potential reserves.

Next to reinvesting the profit from our first project, we are planning to fund the further exploration, drilling and mining endeavors through the additional second sale of APRA, for which we have dedicated 12% of the total supply.

All ongoing activities such as The gold redemption programme and services acquired with the APRA token will continue to be offered and will further expand their scope in accordance with results from the additional exploration projects. The incentive programs for APRA token holders will also add additional rewards for token holders.

The APRA token

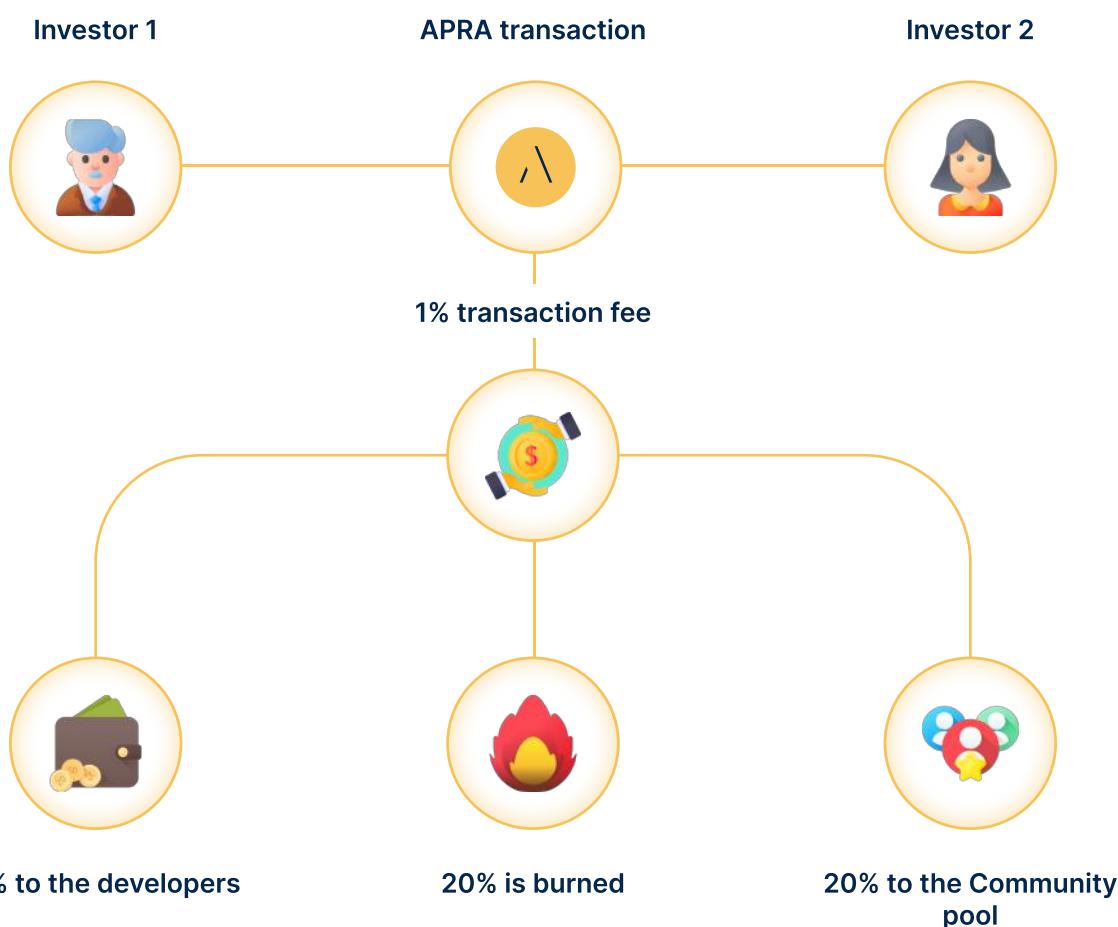
The APRA utility token will allow holders to participate in The gold redemption programme. The token will additionally be used for payments within the Apraemio ecosystem, give holders the possibility to acquire all

aforementioned services and will further act as an incentive mechanism.

The token will also be deflationary through several mechanisms such as burning all unsold tokens at the crowdsale phases, a percentage of the transaction fees, as well as all APRA that were redeemed in The gold redemption programme. This will steadily reduce the total supply of APRA over time and introduce scarcity, potentially influencing the price of the token positively in the long-term.

The APRA token will implement a transaction fee of 1% that will be split into several wallets:

- 20% to the burn wallet - the amount there is burned periodically
- 20% flow to the community pool. From there, they are distributed as community rewards in the form of token cashbacks.
- 60% of the fee will flow to the developers of the project



The Apraemio charity initiatives

The Apraemio project is planning to run a variety of charity initiatives, starting with the surrounding area of the exploration site and the region of Mali. All charity campaigns will be published on the website and, once the Apraemio platform has been developed, they will also be available in a separate section there dedicated only to charity initiatives and updates. We will further dedicate 5% of the total token distribution for charity campaigns.

We will introduce the possibility for APRA holders to vote on which initiatives will be undertaken by the project. Every holder can cast a vote through the platform as long as they are registered and approved APRA holders.

In 2015, the United Nations General Assembly created a set of environmental, social and economic goals that were designed to become the "blueprint to achieve a better and more sustainable future for all". The Sustainable Development Goals, also called the 17 SDGs, address some of the biggest issues humanity and our planet is facing. These include poverty, inequality, climate change, environmental degradation, peace and justice.



We are initially going to target the following goals:

Goal 1 (No poverty), Goal 2 (Zero hunger), Goal 6 (Clean water and sanitation)

The African region is unfortunately suffering from poverty, lack of food and access to clean water - all of which are at the basis of the hierarchy of needs and essential for having a healthy, long life. We will commit towards the resolution of these goals starting with the area of our operational activities and further expanding throughout other regions in Mali and West Africa.

Goal 9 (Industry innovation and infrastructure)

The lack of infrastructure in many regions in West Africa is an issue that, albeit not of the utmost priority, can bring considerable life quality changes to the inhabitants. It can further help in our operational activities and allow us to reach a better overall efficiency.

Goal 13 (Climate action)

We are aware that drilling and mining activities can damage the environment unless it is conducted in a sustainable manner. Next to keeping our mining activities up to the highest sustainability standards, we will further run charity campaigns particularly focused on preventing climate change in order to offset our negative footprint on the environment. Our plan is to become a zero-net environmental project as soon as possible and even expand to climate positive in the future by providing more sustainability value related to climate change than the harm our operational activities will cause.

Goal 15 (Life on land)

During our drilling and mining activities, we could impair animal life in the vicinity. We are committed towards keeping the impact of our activities on the surrounding life to a minimum and to reverse its effects through investments in its preservation.

We are planning on expanding the scope of the charity initiatives outside Mali and throughout Africa in the foreseeable future and focus on some of the most pressing UN's 17 SDGs we believe we can contribute to.

The Apraemio company

The organization behind the Apraemio project is a group of multiple companies across various industries, many of which are working in conjunction..

Here is an overview of the companies behind Apraemio with a short description of their activity and role in the Apraemio ecosystem.

- **Green Gold System Europe SARL** was established in 2014 in Bamako, Mali. The main activities of the company are mining exploration and exploitation, as well as export of gold and other precious metals. The company received — on the basis of the Convention signed 2015 with the Government of the Republic of Mali and renewed in accordance with the new Mining Code in 2020 — a research (and potentially exploitation) permit for a 65 km² perimeter situated in South-Mali (Komassala).
- **Arteus Capital Holding Zrt.** was established in 2008 in Budapest, Hungary with the aim to set up and manage companies.
- **Arteus Capital GmbH** was established in 2009 in Vienna, Austria. Its major business activities are related to sale and distribution of investment gold bars and coins. The company has over 7.000 clients in eight countries.
- **Cartis Flottakezelő Kft.** was established in 2015 in Budapest, Hungary. The company offers car fleet management services for small and medium-sized enterprises. It now has approximately 180 clients and manages a portfolio of two billion HUF, equivalent to approx. 5.5 million EUR.
- **Art Property** was established in 2021 and soon became one of the world's first real estate companies to accept Bitcoin and Ethereum as payment for real estate assets. We will further introduce APRA as a payment method in a joint project with Art Property, which will add a further real-life use case for our token.

Token sale

APRA is a Utility token released on the Binance Smart Chain according to the BEP20 standard.

The token sale will be carried out in three stages: Private sale, Pre-sale and Main Sale.

General terms

APRA Token name	1,000,000,000 APRA Total supply
10% of the total issue of tokens (10,000,000 APRA) Total for sale	USD, EUR Fiat currencies accepted
Bitcoin (BTC), Ethereum (ETH) Cryptocurrencies accepted	51,800,000 USD Hard cap

Private sale

Date	15.11.2022
Hard cap in APRA	24,000,000 APRA
Hard cap in EUR	6,000,000 USD
Price	0.25 USD
Discount	66,7%

Pre sale

Dates	15.02.2023
Hard cap in APRA	28,000,000 APRA
Hard cap in USD	9,800,000 USD
Price	0.35 USD
Discount	53,3%

Main sale

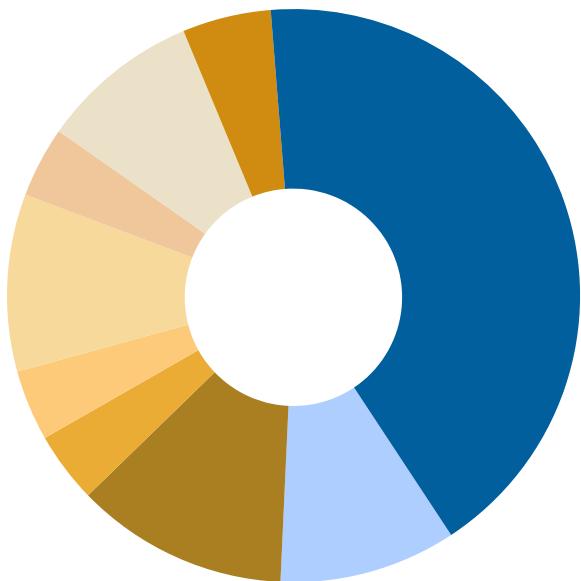
Dates	15.04.2023
Hard cap in APRA	48,000,000 APRA
Hard cap in EUR	36,000,000 USD
Price	0.75 USD

The unsold tokens from each phase will flow to the next sale phase. All unsold tokens from the last phase are sent to the custody wallet, which is subjective to the oversight of our Escrow partner.

The crowdsale will be performed in accordance with the token purchase agreement as published and available on our website. Crowdsale participants will have to undergo the KYC procedure. Investments over \$10,000 are subjective to AML laws. Moreover, certain restrictions will apply for participants from various countries.

Token and funds distribution

A total of **1,000,000,000 APRA** tokens will be issued and they will be distributed as follows:



First sale (ICO)	10%
Second sale	12%
Community reward pool	4%
Team & Advisory board	4%
Liquidity	10%
Marketing	4%
Staking	9%
Charity	5%
Reserve	42%

Token sale distribution of APRA

Here is a breakdown of the token distribution:

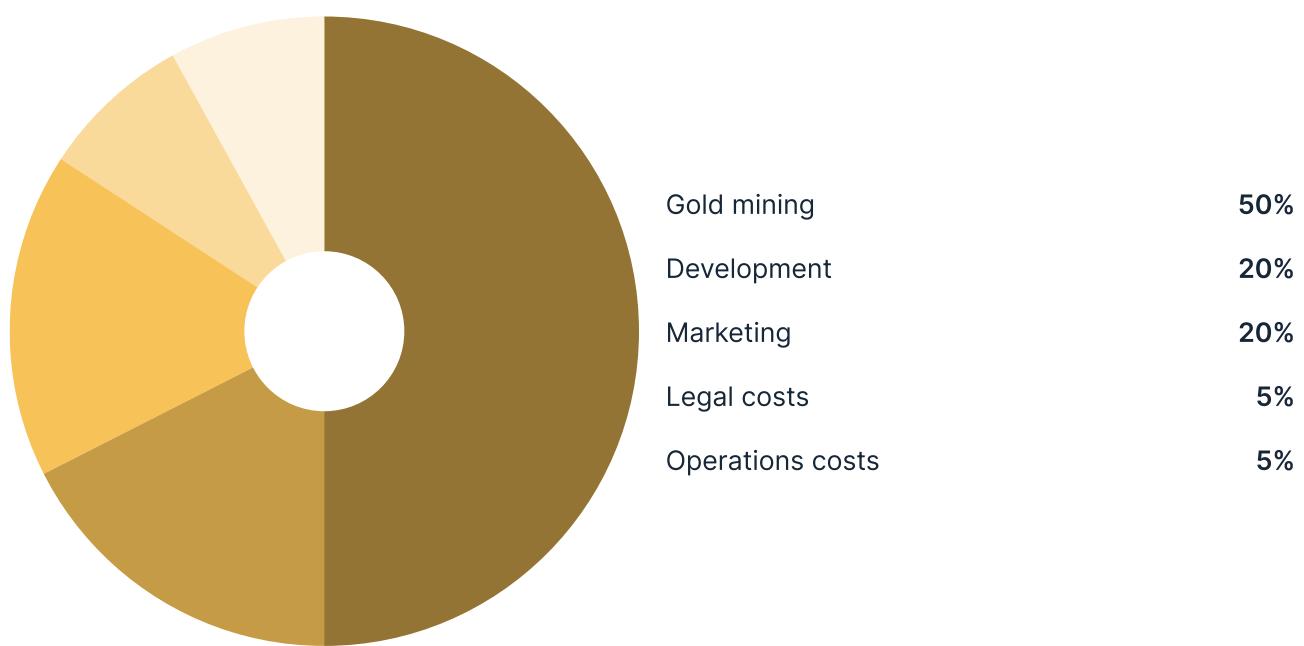
- **First sale (ICO):** 10%. The initial ICO phase is planned to distribute 10% of APRA tokens. We will guarantee that the total supply of APRA is managed transparently and will not enter the market unless the predefined conditions mentioned in this Whitepaper are met.
- **Second sale:** up to 12%. The tokens in this wallet will be kept by the custodian party and will only be released at a future point if the Apraemio project will acquire additional exploration projects. The funds raised through any further sales will be invested exclusively in covering the operational costs, as well as in further development of the Apraemio ecosystem.

- **Community reward pool:** 4%. The community reward pool will be exclusively reserved for rewards for token holders. Part of the transaction fees will also flow there and be distributed among our community based on their rank. Contributors from the last rank will enjoy high passive rewards in APRA, which they can either spend directly within the ecosystem or hold and exchange for the mined gold.
- **Liquidity:** 4%. We will reserve 4% of the tokens in the liquidity pool, which will be exclusively used to secure the needed amount of APRA for all negotiated CEX listings. If more APRA are required, the Reserve pool will be used in a transparent procedure with the involvement of the Escrow party.
- **Team & Advisory board:** 4%. These tokens will be reserved for the management, partners and advisors of Apraemio. 3% of the 4% dedicated to the Team & Advisory board will be vested for 12 months.
- **Charity:** 5%. We will dedicate 5% of APRA for charity initiatives that will be aimed at improving the environmental, social and economic conditions of the region of Mali, West Africa and beyond.
- **Marketing:** 4%: These tokens will be used for a variety of promotional schemes including but not limited to: giveaways on social media, influencers, promotional events, marketing expenses.
- **Reserve:** 42%: All tokens in the reserve are locked and kept away from the circulating supply for 6 months. The team reviews the necessity of new tokens in the system after each 6 month period. To support the systematic stabilization the reserve might remain locked for additional periods.
- **Staking:** 9%: The token system is designed to reward the investors, who are willing to lock their assets for a set period of time. Investors can lock their tokens for a maximum of 5 years and the reward for their support is 15% in APRA tokens for the first 3 years.

Year 1	15%	Reward in staking
Year 2	15%	Reward in staking
Year 3	15%	Reward in staking
Year 4	12%	Reward in staking
Year 5	10%	Reward in staking

Vesting: Apraemio has a built-in mechanism to manage price fluctuations and project stability. We provide the investors with 40% of their purchased tokens at the moment of purchase. The rest of the purchased tokens are liberated on a monthly basis by 10% after the ICO.

From the initial distribution of 10% (ICO), the funding acquired will be distributed as following



Funds distribution of APRA

Here is a breakdown of the distribution of the funds that we will raise via the first sale (ICO):

Here is a breakdown of the distribution of the funds that we will raise via the first sale (ICO):

- **Gold mining:** 50%. We will dedicate half of the funds raised in the ICO to finance the drilling and mining operations. This will include all costs related to maximizing the returns of the currently available gold mine, as well as legal costs related to the aforementioned activities.
- **Blockchain development:** 20%. 20% will be dedicated to the development of the Apraemio platform in Version 2 and setting up the technical infrastructure for the APRA token use cases, as well as the incorporation of the token into all existing businesses and introducing the token payment methods. We are planning to further offer the option to pay with credit / debit card to accommodate the ecosystem for people unfamiliar with cryptocurrencies.
- **Marketing:** 20%. We will dedicate 20% of the funds to ongoing marketing activities that will be aimed at increasing the popularity of the Apraemio ecosystem, as well as to expanding the possible use cases for our token holders.
- **Operational costs:** 5%. The operational costs will cover all needed expenses for managing the Apraemio project.
- **Legal costs:** 5%. 5% of the proceedings will be dedicated to the legal expenditures that are related to the Apraemio ecosystem except the legal costs related to the mining operations.

Roadmap



The Team



Dr. Zoltán Varga
CEO



Mihály Tóth
Deputy CEO



Tamás Kis
COO Chief Operating
Officer



Gábor Batiz
Marketing and Sales
Manager



László Szenthe
Senior Developer



Roland Gál
Marketing Specialist



Márton Szabó
Content Strategist