

Real Coin BDRS: A Decentralized Justice System Based on Phi Economics

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[Blockchain Dispute Resolutions – deius.io]

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ABSTRACT.

The world in which we live today, in the midst of various crises, is experiencing two major problems: "distrust and lack of transparency".

Western democracies, traditional banking and the economy as we know it are plunged into a serious problem from which it seems difficult to escape. The pillars of globalization are beginning to crumble. In addition, we are mired in a very serious economic recession, brought about by the confluence of the Covid19 pandemic and the debt problem.

RC ∞ Coin, from the basis of exponential technologies and the principles of Phi Economy, is presented as a disruptive solution to disintermediate the sector of judicial conflicts that have their place in the Alternative Dispute Resolution (SARD), through a token adapted to the Sustainable Development Goal No. 16 (Peace and Justice), framed in the UN Agenda 2030.

It is a bet to promote a self-financed and therefore free, self-compositive and decentralized Justice through BDRS (Blockchain Dispute Resolutions) technology platforms, or dispute resolution on distributed information technology (DLT) and Artificial Intelligence (AI) platforms.

1.- FUNDAMENTALS

General Objective:

Facilitate a culture of Peace free and fast for the protagonists of the conflict, which saves costs to the traditional system of social and judicial organization in force for the resolution of disputes.

We frame RC ∞ (Real Coin) in the SDG No. 16 of the UN Agenda 2030, promoting peaceful and inclusive societies for sustainable development, facilitating access to justice for all and creating effective and accountable institutions at a global level for all citizens, companies or SMEs.

Therefore, a new social and economic value is created for the Community and the State, from the perspective of budget savings, since the cases resolved through the culture of peace (SARD/BDRS) will never be referred to the traditional justice system.

Specific Objectives:

1.- Create a token (digital asset) based on Phi Economy Purposes. There is no evolution or revolution without a change of currency. From bronze to gold, from gold to metal, from metal to paper, from paper to digital assets.

Every material that has been used as a security from salt to the present day has the strength of trust. A security is powerful because of the TRUST it generates.

Promissory notes are in disuse today, when a decade ago they circulated and were the most powerful source of payment for financing. Today they are worthless.

Generating TRUST was the monopoly of God, the King, the Republic and the State. Today trust can also be generated by a COMMUNITY with the same purpose.

Accepting a token only depends on the TRUST OF A COMMUNITY. If millions of people want to create wealth from conflict, we will do it, because all progress needs social and economic peace.

The monetary issue will depend, together with the TRUST, on the VALUE generated by a Community. Therefore, as a previous and essential step, Community and Trust will be the attributes of the TITLE VALUE that we are going to generate.

It will be a SOCIAL VALUE THAT IMPROVES COEXISTENCE AND THE COMMON GOOD THROUGH THE CULTURE OF PEACE, using Blockchain technology and Phi principles, merged in the Online Dispute Resolution methods (ODRs) and its digital platforms BDRS.

2. Establish a new paradigm on the usefulness of conflict.

In recent years, there have been many who have bet on conflict as a generator of change. What happens is that the changes that a conflict generates can be traumatic, dramatic and catastrophic, generating CHAOS. An energy in which the human race does not yet know how to manage with ease.

From chaos we will obtain a utility, because the Community Trust will generate the energy, which we call VALUE, that will sustain a new paradigm when approaching the conflict.

Conflict as a transformer of a society via SARD / BDRS is what all Mediators / Negotiators in the world aspire to, but of course, societies change and are transformed over time, as it has been since human beings exist, we have evolved and reinvented with the passage of time. We are approaching a new era, that of VALUE.

But the concept of time has been renewed because we have a factor, so far non-existent, and I am referring to Exponential Technologies such as Blockchain, AI, IOT, etc., which added to a VALUE - CONFLICT, seen from the perspective of Phi Economics, could shorten the time of transformation of a society. The formula would be something like this, (Social Transformation): APhi Algorithm:

Note: The Real Coin BDRS Project will be open source and open source once we have the prototype in beta and testing phase, at that time all developments will be published in its repositories. We align ourselves with the Bitcoin philosophy as a free code protocol and open source license.

3.- To generate an economic sector based on the Solutions-Agreements-Purposes.

With a COMMUNITY, TRUST, VALUE, MONETARY ISSUANCE and the energy (processes/budgets) that will be released to achieve the purpose, an economic sector different from the current one will be generated based on the Cryptoeconomy. In this objective we do not create anything, the monopolistic sector of the traditional resolution of disputes by the judiciary is transformed. A self-compositive Justice is empowered, in which people are the protagonists and generators of surplus value by making Peace: signing agreements cryptographically through our consensus protocols.

If first the King and then the State have generated an economic sector around the conflict that moves millions of dollars and/or euros in the world, our project will make this sector evolve towards a democratization and a greater equidistribution of the resources it generates and that are now managed by the absolute protagonists (lawyers-judges), since we are the founders, jurists & practicing economists.

A Community focused on solutions as generators of wealth, would mean orienting the whole strategy towards the achievement of agreements, which would be materialized thanks to the Smart Agreement and Smart Contract that will have to be created together with the BDRs platforms.

Legal Framework: There is no regulation, however, an informative link will have to be created with the CNMV - Comisión Nacional del Mercado de Valores for the purpose of token audits and compliance with anti-money laundering regulations. The project would be submitted to a regulatory Sandbox.

Digital Revolution:

"As a paradigm of these advances we can cite two examples, which transcend what we do today with premium or enterprise telework software:

Kleros . Decentralized Courts or Ethereum Blockchain Dispute Resolution. Fast, open and accessible justice for all according to the advertising on their website: www.kleros.io/es

Decentralization in these platforms is intrinsically related to the properties provided by Blockchain technology, which is the technology with which the first cryptocurrency, Bitcoin or virtual money, was created in January 2009 on the Californian coast, by anonymous author/s so far.

Singularity Adr Coin . As specified in its White Paper, it is an AI-ADR ecosystem distributed on Blockchain with the objective of facilitating disintermediation of disputes occurring in electronic commerce, to increase trust and, therefore, contribute to the development of the most innovative wholesale banking services".

Exponential Technologies in Online Dispute Resolution

At Real Coin BDRS, following what we learned in ODRS (Online Dispute Resolutions), we implemented Smart Contract and Smart Agreements to create a series of consensus protocols that we call A. PC/IA, B. PC/10/O and C. PC/24/7. They will offer the conflicting parties three different routes (depending on the complexity of the conflict) to reach a consensual agreement, which once signed by the parties and the conflict resolution professional with cryptographic keys, will trigger the APhi token issuing algorithm. That is to say, we connect the "value issuing fact" through the token or cryptoassets, to a Consensus Protocol that upon obtaining an expected result: "agreement signature". If the agreement is not signed, the issuance does not exist.

The project must be carried out on blockchain technology, being for us preferential the RSK technology. The Root Stock platform created with the purpose of enabling the creation of smart contracts within the Bitcoin blockchain.

Privacy, security and decentralized nature are for us the main premises that guide our decisions. We are devising a free, fast, decentralized and self-composing peer-to-peer (or party) justice model for the 21st century that can even be implemented in the Metaverse.

ESSENTIAL PRINCIPLES OF PHI (FI) ECONOMICS

The PHI Economics theory of value provides a new intellectual scaffolding that allows us to make a structural change, configuring a new global Economy, based on new technologies of exponential growth -such as blockchain, renewable energies, artificial intelligence and others- that give way to an inclusive and sustainable system; that equitably distributes the fruit of the value that is being co-created as a global society, restoring the social bonds in all of us.

It is a vision of an Economy that places the Human Being at the center of the value equation, putting technology at the service of man -and not vice versa-, under a human perspective.

It is an inclusive economy, since all those who participate are assigned the same "specific weight" and are considered equal, without losing their individuality and respecting the rights of each one to have a dignified and similar standard of living.

2.- THEMATIC AXES

1. The disintermediation of out-of-court dispute resolution:

The use of Blockchain technology makes it possible to create <DAOs, DApps, DEFI or BDRs >, creating a new social, financial and technological ecosystem. This added to the principles of Phi Economy brings us the innovation and disruption necessary to create a new ecosystem of decentralized social and human justice, which we call Self-Compositive Justice, as it adds the fundamentals of ADR-ODR, or alternative dispute resolution in its online version.

2. Wealth creation from a Common Good perspective.

Once there is a Global Community whose purpose is to turn to our model of creating social and self-compositive justice, there will be a parallel monetary issuance (in the act of agreeing and consensus), the RC ∞ Coin token. With this issuance we intend two purposes: the first one is to self-finance the operation of the model once started and secondly, to redistribute among the Phi community the capital gains of the new cryptocurrency. Thus, we create savings for the States and tangible wealth for the communities.

3.- SUSTAINABLE DEVELOPMENT GOALS

As we are working in the context of the Economy of Purpose, this places us directly in the UN Agenda 2030, which aims to achieve a series of Sustainable Development Goals at a global level. For this purpose, an awareness campaign has been carried out among all the States of the World to support this Agenda.

Phi Economy is proposed as global purposes to conquer any of the SDGs of the 2030 Agenda. Therefore, we frame the RC ∞ Coin project among these purposes, corresponding to SDG N° 16 and 17.

Promote just, peaceful and inclusive societies.

16.3 Promote the rule of law at the national and international levels and ensure equal access to justice for all.

16.6 To create effective and transparent institutions at all levels that are accountable.

16.8 Broaden and strengthen the participation of developing countries in the institutions of global governance.

16.10 Guarantee public access to information and protect fundamental freedoms, in accordance with national laws and international agreements.

16.a Strengthen relevant national institutions, including through international cooperation, to build capacity at all levels, particularly in developing countries, to prevent violence and to combat terrorism and crime.

16.b Promote and implement non-discriminatory laws and policies for sustainable development.

Pursue beneficial strategic partnerships for Real Coin to achieve other SDGs.

4.- THE PRACTICAL REALITY

A Path to the tokenization of conflict. Creating value from chaos.

Gold is a mineral, a stone that we can throw at our heads, but which, because of its beauty, we have decided to give it a higher value than the natural one. We have idealized it as a currency of exchange.

The RC ∞ Coin is the Silver of the 21st century (Bitcoin is the digital Gold), because we will be millions of people who so decide in the collaborative and cooperative economy that is coming.

It will not be the States that will have the monopoly of the currency. It will be the people and institutions that will be able to issue digital securities associated with the development of diverse initiatives in the economy of purpose.

At the same time, Nation States are losing the possibility of offering legal certainty and protection of justice to all those citizens who demand it. Online commercial relations across borders require processes capable of providing a quick and

agile response. The speed of e-commerce and online conflicts cannot wait for the ordinary justice system, which is always collapsed.

Moreover, we are thinking about the conflictology of the future in the Metaverse, and it is there where these platforms will be able to offer all their capacity for conflict resolution in Cyberspace.

5.- BENEFITS FOR THE STATES

Initial calculation of costs to be saved

Dispute Resolution costs Spain each year, not only the amount shown in the General State Budget, which for the last budget was 1,869 million euros, but also the amount obtained by adding the budgets of the Departments of the Autonomous Communities that have transferred the competences. The real cost to the pockets of the Spanish people of the money involved in hiring the professionals that, by law, they are obliged to hire, such as lawyers and solicitors, and the time they invest of their lives in preparing and coordinating all kinds of personal, family, work and professional activities... to provide the necessary means of proof to the judicial mechanism in force, is also added.

Your personal enrichment.

Imagine now that all these costs disappear and it is possible to reach Fair Solutions through a system that, in addition, enriches you for three reasons:

I am happy for having reached a solution with which I totally agree.

I have contributed to generate a fairer society by contributing a Value in the Purpose of having a better Administration of the Fair Solutions.

I have contributed to generate a monetary value to support other Phi Economy, Social Token or Purpose Token projects; Ex. Curecoin, Solarcoin or Gqualcoin.

All totally free of charge.

Savings to the State

The average cost for a person in the West, of the service of resolution of their conflicts and problems, when they have to go to a third party, is 500 euros per year.

The people who usually face this type of situation are those over 35 years of age.

In 2020 the population of the European Union was 448 million people. Approximately 60% of the population is over 35 years old, the age at which people begin to face responsibilities and manage conflicts throughout their lives.

Let's see what experts say in an article published by EXPANSIÓN/AGENCIAS MADRID ON 01/21/2016:

Mediation allows the parties in conflict to be part of the solution, not just the problem, and if it were "R&D in Justice", its use would save more than 500 million a year in Spain, according to what Judge Juan Francisco Mejías, coordinator of the General Council of the Judiciary (CGPJ) in mediation matters, explains to Efe. According to this expert, "a trial costs more than 3,000 euros to the State coffers, while a mediation process costs an average of 300".

Recent studies conclude that if 10% of the cases were referred to mediation, a saving of 177 million Euros could be obtained at national level, and if 30% were achieved, the saving would exceed 530 million Euros, according to the coordinator of the CGPJ.

Very interesting this article of LegalToday/2019 commenting on a study of the European Parliament called, "Quantification of the costs of not using mediation".

Reaching the following conclusions as provided in the article: "as an example, the study points out that with a 75% success rate of mediation in Belgium you can save approximately 330 days (almost a year) and 5,000 euros per dispute, and in Italy you can save approximately 860 days (more than two years) and more than 7.000 euros per dispute".

6.- RC[∞] COIN DECALOGUE

The present Decalogue of the Founders of RC[∞]Coin BDRS summarizes the purposes of the project:

1. we want to contribute to the implementation of a modern system of Conflict Resolution at a global level, Reliable and Transparent.
2. Citizens and businesses need quick, balanced and effective dispute solutions to create prosperity.
3. We believe in a Self-compositive Justice in the hands of the citizen, sustainable and humane.
4. We have the technology that allows us to offer availability, agility and the efficiency that 21st century societies require.
5. We firmly believe in the interaction of Technology with the Distributed, Redistributive and Restorative Economy as pillars of RC[∞] BDRS.
6. We align ourselves with the Principles of the Purpose Economy (PHI) and make SDG #16 of the UN Agenda 2030 the purpose to pursue: Peace and Justice
7. All economic benefits of RC[∞]ODRS must contribute to creating a purpose-based Economy of the Common Good
8. The advancement of digitalization, and consequently of disputes between citizens from different territories, over low-cost economic issues; equally require mechanisms to be able to resolve them, a situation that currently cannot be met
9. We seek to activate the social responsibility of citizens, through the search for solutions to the conflicts that arise, without the need to go to institutions -eliminating centralized intermediation- to reach resolutions.
10. Generating a new type of income for offenders, offended parties and facilitators, mediators to reach agreements, implies focusing the value of a currency <and its backing> on an intangible such as the daily construction of Peace.

7.-INVITATION TO PARTICIPATE (Companies, Institutions, Organizations and States)

We want to make you participate in an initiative that can change the course of Peace.

Can you imagine being a member of the first expedition to the North Pole, or being an astronaut on the first trip to the Moon? Both were adventures and both required the audacity to carry them out.

For our part, we want to propose you the next adventure and make you feel like a pioneer:

We have designed a simple process, accessible to everyone, that allows you to find JUST SOLUTIONS to any problem.

By FAIR SOLUTIONS we understand those that the parties themselves give them such character without the need of a third party's (a Judge's) declaration of fairness.

With the intervention or help of a professional third party (mediator/facilitator) and the RC[∞]BDR platform, reaching FAIR SOLUTIONS is within reach.

We invite you to be part of this expedition and live this experience of giving back to human beings, to each one of them, the power over their conflicts and help them to find fair solutions.

8.- EMISSION PROTOCOL. RC[∞] DEVELOPMENT

- Actors. Roles:

1. RC ∞ Foundation. Founding institution of Real Coin BDRS, which will be composed of the founding partners, the founding advisors and the persons or institutions that the founders decide to invite. All the competences of the Foundation will be transferred along the road map, to the creation of a DAO (Decentralized Autonomous Organization).

2. Parties in Conflict. It can be any natural or legal person who encounters a problem or conflict between parties that can be solved in the field of SARD/SARD, outside the traditional and online justice.

3. Conflict Resolution Professionals. It may be any professional certified in SARD/ODRS by virtue of the requirements demanded by the regulations of the country to which he/she belongs. To be included in the CR ∞ registry, the degree must be validated and certified by the corresponding authority. They have the main function of signing any Agreement to give executive character to the Minutes issued. They are the third party mediator in the protocol is consensus C. PC/24/7 offchain.

4. Validators. All active legal professionals who can prove it with a valid professional card, both from legal and academic institutions, may register in RC ∞ as validators of the system. They shall validate various system processes.

5. Miners. Any validator registered in the validator registry may register in RC ∞ as system miners. They will be in charge of sealing and adding the blocks to the chain. Our mining option is POW (proof of work).

- Definitions. Glossary:

Rewards. It is the percentage of CRs that the actors receive for their role within the system and can be seen in the attached table.

Gas Fees. Amount of CRs that must be paid to execute a given process, according to the attached table. A fee should be imposed to avoid corrupt or ill-intentioned actors. When the Agreement occurs the deposited Fees will be returned to the parties automatically.

Token burning. This occurs after the deposit of the Fees by the parties to initiate the settlement protocol. The destruction of Fees corresponds to two basic objectives: the failure to find an Agreement results in the burning of the deposited tokens (in order not to accumulate supply if the APhi issuing event does not occur) and on the other hand it slows down the achievement of the mining of the total market capitalization providing the deflationary characteristic to the token.

Phi Economy Support. The parties once they obtain their deposit by signing the agreement, will be able to select from a list the destination of a determined percentage in CRs (2% of the emission) to support other community projects that comply with the principles of Phi Economy or decarbonization of the planet with selected carbon tokens and other social or purpose tokens.

Phi algorithm. It is the series of instructions that issues the real coin tokens after the "purpose determined as an emitting fact", called APhi.

Issuing Fact. Whenever the parties sign with their cryptographic key together with a Professional RC (2) an Agreement, the APhi algorithm will be deployed.

Token. It is a standard ERC20 utility (or similar depending on the chosen chain) by its acronym RC ∞ or Real Coin with the infinity symbol, symbolizing the abundance of Phi Economy. The design of what would be a physical token-currency is attached to this document. The minimum unit of RC ∞ is the JAT (initials) divisible 1/10: 0.00000001.

Consensus Protocols. They are the set of rules that tend to seek a consensual agreement with the system resources, we have designed three:

A- Onchain using Artificial Intelligence software Smartsettle ONE. We call it AI consensus protocol (PC/IA).

B - Mixed protocol exiting the blockchain to query an Oracle from which 10 proposals are received is solution. Called 10/O consensus protocol (PC10/O).

C- Offchain protocol through a negotiation process with the intervention of a 3rd RC professional, which we call 24/7 consensus protocol (PC24/7).

Note: The selection of one protocol automatically excludes the others. Each protocol will be chosen according to the recommendations of the system and the difficulty of the conflict.

- Digital Identity verification. - As any algorithm the first thing we propose is to solve the Digital Identity of the applicants, for this we chose DiDi software, a self-sovereign Digital Identity project on blockchain. Open source and free to use innovation project, developed on RSK (sidechain second layer of Bitcoin) + RIF (smart contract infrastructure on this blockchain).

- RC ∞ Protocol Startup. Documentary Submission - the conflicting parties to start the protocol -> will upload and validate their documents on the Realcoin platform, which will be verified by the validators registered in the system registry.

The document to be provided is the Certificate of validation and authenticity of the dispute issued by a registered validator from the list of Real Coin validators, the purpose of which is to verify that the dispute really exists and is not artificial, charging its validation.

- Possibility to validate the Agreement with the signature of the participants (Offender, Offended and Professional RC).

The parties must make a deposit fees in RC ∞ (avoid dishonest cases) that in those cases where there is no Agreement will be burned.

There is the manifestation of the will to agree of each person with his signature. The 3 signatures that allow us to validate the consensus create the Issuing Fact giving way to the issuing algorithm.

- The parties and RC professionals must have wallets/wallets to sign with cryptographic private key and make the guarantee deposit, which will be returned to them when they reach an agreement. Before each agreement and RC ∞ issuance, the destination of the Phi Economy support issuance (RC-Phi) must be chosen.

- Form of issue, by 50, 75 and 100 RC ∞ tranches.

DAO Foundation: Receives 28% of the issue which is allocated to the payment of validators and miners as reflected in the attached table.

Conflict Resolution Process #BDR: 68% distributed as reflected in the attached table under the type of consensus protocol chosen: A, B and C and respectively the issuance of 50, 75 and 100 real coins.

Phi Economy Support Process decided by the parties. 2% of each issuance will go to projects with environmental purposes that comply with Phi principles.

Verification Processes: has 3 components of verifications x each block. Verification of initiation documentation; verification of the mediation process itself (on-chain and off-chain) and verification of mediation closure (agreement or non-agreement). Reward -> Rewards are drawn to a single miner as a prize.

In other words, the issuance will be given by the creation of each block, where 50/75/100 realcoins will be issued x the validation processes themselves and each mediation process with Agreement according to the consensus protocol chosen by the parties A, B or C.

A reduction by half every 3 years is set up.

A Supply (issue amount) is decided: 50 Millions

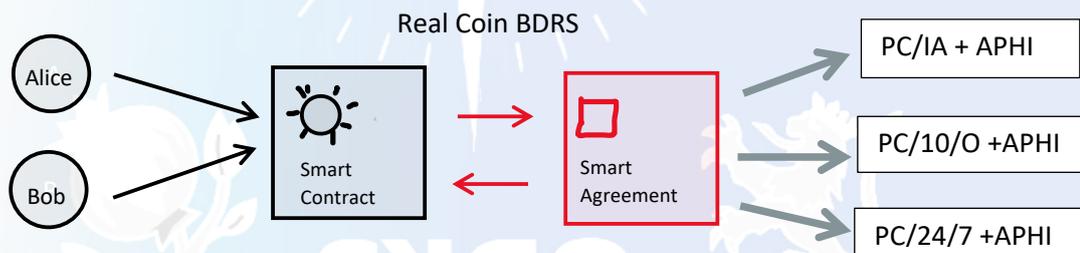
Gas Fee and Rewards Table:

Proceso	68%				28%			2%	Emisión Total	FEE/Querr
	Recompensas Partes	Recompensas Mediador/a	Recompensas IA	Recompensas Oráculo	Fundación	Validadores	Mineros	Apoyo RC-Phi		
A	20	7	7	0	6	4	4	1,4+0,6=2	50	20
B	25	7	0	20	8	6,5	6,5	2	75	25
C	30	40	0	0	10	9	9	2	100	30

DESARROLLO DE LOS PROTOCOLOS DE CONSENSO Y CONEXIÓN CON ALGORITMO DE EMISIÓN APhi



Esquema:



Backing of RC ∞ issuance and Savings for the State.

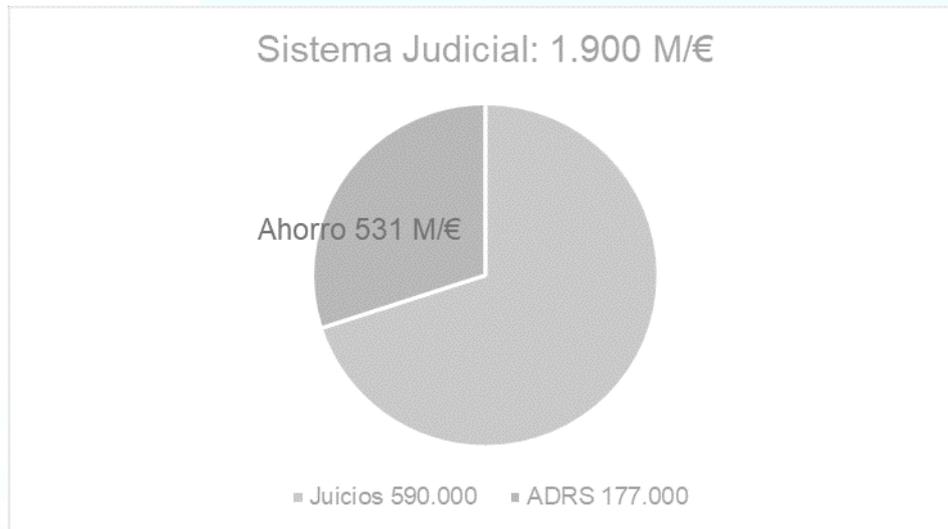
From the data we previously provided in this White Paper, the following conclusions are drawn:

According to the link to an article in which an expert speaks, in Spain there are about 590,000 lawsuits of which 30 % could go to Mediation -target audience of the platform-.

That 30% would be 177,000 cases mediated per year, of which, the platform has three forms of issuance, according to the complexity of each conflict and the option they decide to take the parties in question. According to the forms of issuance, it is estimated that the annual Realcoin issuance could reach a maximum in the future: $177,000 \times 75rcs = 13,275,000$ RCs.

If the average cost of a trial is 3,000 euros and taking that value as a basis, the mediations on the platform of reaching the annual maximum possible, which is 177,000 cases, could generate a maximum annual saving for the State of: $177,000 \times 3000 = 531$ million euros. And this only taking as an example and where the platform will be launched, in the country of Spain. Then, as interest arises in other countries, it will be expanded and deployed to other geographies.

It is important to highlight that the savings to the States guarantee a part of the backing of each RC[∞] with <the possibility of tax reduction, or the use of those budget items for other public purposes>; but at the same time, they are based on the implicit value of each conflict, which is enabled to be injected back into the real economy.



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Diseño del token en formato imagen:

- ✓ Idea de Tomás Prieto y Julio de la Torre encargada al diseñador gráfico Xisco Martínez
- ✓ Su creación física sería: con el cuerpo de la moneda en grafeno y el borde en fibra de carbono
- ✓ El anverso está dedicado a la Justicia y a Economía Phi que aporta la Abundancia
- ✓ El reverso contiene las iniciales de los creadores, las iniciales de todos los conocimientos que han sido necesarios para su ensamblaje y fechas conmemorativas de los papers de Bitcoin y Real Coin en su versión 1.0. Existe un recordatorio a los orígenes de cada uno con la granada y el león y una brújula que simboliza la globalidad

