



# OSMOSE COLLECTIVE

Blockchain of Collective Interests

Crypto-currency at the service of the values of the Social and Solidarity  
Economy

*"Co-finance, Co-buy, Co-produce, Co-live, Co-operate"*

[www.osmosecollective.com](http://www.osmosecollective.com)

- Manifesto -  
July 1, 2018

*“ Nous sommes convaincus  
Qu’il est temps de créer les outils,  
D’acquérir les lieux,  
Et de battre la monnaie  
Des espaces communs  
Et des réseaux décentralisés  
Qui nous permettrons d’habiter, bâtir et coopérer  
Dans la suite du monde,  
Vers plus d’émancipation et d’autonomie  
Par et pour toutes et tous.*

*Nous développons les technologies  
Et tissons les liens  
Nécessaires à un financement  
Et à une gouvernance  
En osmose  
Avec notre vision,  
Et nos valeurs*

*Nous sommes la poussée,  
La force motrice,  
Le phénomène de diffusion,  
La solution hackeuse,  
Le passage de la Membrane,  
L’accroissement de l’entropie du système,  
Le transfert global,  
L’influence réciproque,  
L’interpénétration,  
Les échanges,  
L’harmonie,  
L’équilibre,*

*Nous sommes OSMOSE. ”*



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# Introduction

## Preamble

In full explosion for nearly 6 months with the major media, Blockchain technologies and cryptocurrency appeared on the internet in December 2009, with the publication of a pdf document signed by a mysterious Satoshi Nakamoto, presenting his invention: Bitcoin.

This document will travel around the world in a few weeks, first with technical circles, developers, hackers, and technology enthusiasts from around the world gradually reaching various backgrounds.

A few years later the revolutions that this technology brings to our societies are starting to reach the general public, with their diversity of applications that spare no sector, and no fields of society.

For some, we are "in 1990, at the pre-internet age" if we were to make an analogy of the advancement of its development, others say "stone age" Blockchain.

Still others compare this advance to the invention of printing, as it comes to offer a disruptive revolution that very few have been able to analyze with insight, lack of documentation and key resources to seriously apprehend it.

The "speculative" part of Bitcoin is probably the gateway for the general public as well as financial professionals . However, this speculative interest is giving way more and more to discovery of a much deeper revolution, which offers new perspectives for the future, cooperation, and the use of technologies...

## Social and Solidarity Economy

Taking its source in the economic and social concepts of the industrial revolution, the Social and Solidarity Economy in the 21st century is at the origin of innovative solutions and a major component of the new societal perspectives.

In essence, it is made up of men and women, who organize themselves collectively to set up concrete initiatives now recognized in the territories: solidarity savings, breakfast vouchers, social security, fair trade, insertion through economic activity, ...

ESS offers an alternative to the limits of the dominant economic model. It is also interesting to note that cooperative enterprises are statistically in full development (+ 7.6% between 2016 and 2017), and represent 57,700 jobs, and € 5 billion turnover.(Source: URSCOP)

The law of 31 July 2014 on the Social and Solidarity Economy (ESS) marks the recognition of "a different way of doing business".

By placing women, men and their territory at the heart of their entrepreneurial concerns, SSE companies carry projects that are useful to our society and are concerned about the sharing of power and the wealth they produce. The law brings together actors beyond the notions of statutes, around the fundamental principles of the ESS that are equality, sharing and democracy within the framework of a social and economic development creating wealth.

These principles now take shape through a rich cooperative ecosystem, and a fabric of strong local, regional, national and international networks.

However, these networks must reinvent themselves every day in order to cope with current and future economic constraints, changes in consumption patterns, and new technological uses.

The main objective of OSMOSE is to facilitate, streamline, support, and equip actors of change in the face of future societal challenges.

# The Work Transformation

## **Freelancers & Freelancers : Workers 2.0**

Whether they are graphic designers, developers, directors, editors, consultants, or even architects, they are together training a new generation of workers, seeking in this new form of status freedom, autonomy, and mobility. Some call them "digital nomads", there are about 10 million of them in Europe.

That is 700,000 freelancers just in France, whose growth is one of the largest on the continent. Indeed, far ahead of Italy or Germany (where freelancers have increased by only 12% and 43% respectively), France has seen an explosion in the number of self-employed workers: +85%. This is just behind Poland (+88%) and Holland (+93%). Compared to Europe as a whole, the increase was 45%.

Freelancers now represent 8% of the French working population between the ages of 25 and 49 (and 30% of the working population in the USA, where it is estimated that in 2020 they will represent 40% of the working population!) with a very high feminisation rate (almost 50%). *(Source: Insee)*

## **The underlying reasons for this choice**

When asked about the advantages of being freelancers, nearly 83% of them answered: the fact of being freer. For nearly 60% of self-employed people, it is to have no hierarchical relationship; for 41% of them, to have time to train and for 46%, to earn more.

These new forms of work allow a certain mobility to these mostly very connected profiles for whom working remotely has become intuitive. It can be seen that many people are looking for tools to assist them in their activity, while keeping total freedom of movement, on their activity and their personal life.

The digitalization of production, management and more generally work tools offers new perspectives, new methods and therefore new needs.

Among them, the one not to isolate oneself, and to reach places welcoming similar profiles.

## **Development of the co-working market:**

Born from this transformation of work, co-working spaces have developed all over the world over the past 5 to 7 years, and are trying to meet the needs of these new profiles, the friendliness of collaborative spaces, the sharing of tools and administrative services...

New so-called "collaborative" spaces are therefore emerging all over the world, enabling entrepreneurs, start-ups and freelancers to collectively respond to their specific needs.

In the medium and long term, OSMOSE wishes to develop a network of locations (TERAA) to meet all these needs, using the Blockchain in order not to centralize power within a single private company, which could gradually take over the entire market.

## The OSMOSE vision

OSMOSE Collective proposes a new approach to the Social and Solidarity Economy, enriched by the technological potential of the Blockchain and the open-source philosophy (free software). Our approach aims to respond to the environmental, economic and social challenges facing today's societies, starting with the transformation of work.

The OSMOSE Collective is an open and open-source project aimed at the general public. It aims to meet the new needs of a population sensitive to contemporary societal issues. From students to creative, passionate and curious developers and companies, start-ups and institutions, the OSMOSE project aims to create the opportunity to experiment, exchange, meet and connect, in order to take a step towards a more cooperative future together.

The value creation of OSMOSE is built through the use that is made by the community, and the whole ecosystem taking part in it, particularly within its different places.



# Blockchains: A revolution of exchanges

When we study the ecosystem of Blockchain technologies, we can observe a great diversity of projects.

These technologies, by their operation, call into question the very nature of trade, whether economic or financial. Armed with cryptography, the notion of peer-to-peer, and decentralized registry, Blockchains projects put the notion of transparency, traceability, immutability and openness (open source) at the heart of new services.

In essence, Blockchain technology is decentralized and open to all. It is therefore presented to users as a common protocol to bring together a number of actors with collective interests or needs, allowing them to cooperate securely without any intermediary other than the chosen protocol.

When we look at the possible use cases, we discover a multitude of cases where trusted third parties can be replaced by a decentralized system.

## Example: Remuneration of content creators

Today, 95% of Internet users' content is hosted by private companies that have become the preferred media for listening to music, viewing video media, files or simply information in the last ten years.

The user of these services has virtually no legitimacy to ask how the back office of this system for distributing works or content operates, and remains in the position of a passive consumer of the data. Monopolies have developed over the years, forcing creators to distribute their content on these centralized platforms to be accessible to the general public.

Through Blockchain technologies, we are now seeing the emergence of decentralized alternatives to these same services. The value chain is rethought with disintermediation, where the user/consumer of content directly remunerates the creator. Each consultation of content is therefore automatically remunerated for the various rights holders, in a secure way.

## Economic Model 3.0: Disintermediation

In the same way that a streaming service is an "intermediary" of the 2.0 economic model or "collaborative economy", a whole set of services can be redesigned in a decentralized way, and meet the need to connect its different actors.

A service to connect drivers and passengers can now be imagined using a blockchain connected to one or more service access platforms. These platforms serve as an interface between the user and the application running within the blockchain.

Only the operating costs are passed on to the users and if one of the access platforms to the Blockchain grants itself unjustified fees, then the users are free to change the access platform or create a new one that can benefit from the same ecosystem provided by the application running in the Blockchain.

It is likely that in the coming years we will see more and more open source projects democratized through decentralization. The actors will thus be able to work together on the development and improvement of a service by giving priority to the collective interest.

That is why the future belongs to individuals, communities and businesses that will be based on the 3.0 economic model, involving the community in their operation, financing and development in an efficient and transparent way.

## Communities take the "leadership"

Today many open source and community projects have shown that in the 21st century, the community is one of the main drivers in the development of a project. Indeed, it is the company that will test technological products and propose improvements while quickly eliminating inappropriate concepts. In addition, it is also through the community that the project's vision will be spread and strengthened. Through modern means of communication, such as slack, discord, telegram or medium, the team will be able to be in direct and permanent contact with users, recruit prominent members and help volunteer contributors to participate in the project.

In the context of a blockchain, the importance of the community is paramount because the consensus system gives users the opportunity to participate in the evolution and control of the blockchain. Especially since by definition no single entity has total control over a decentralized ecosystem. The responsibilities for the operation and evolution of a blockchain are therefore shared by all users.

An open source project is developed by a community of developers and contributors working together to meet the needs of the project. New forms of cooperative work can be observed on Blockchain technologies, allowing everyone to contribute according to their abilities and skills. This notion of community is essential and is an integral part of the Blockchain universe. It is the nerve centre of the operational part of a Blockchain project and its evolutions.

## **Bounty Program**

There are new forms of work relationships among contributors within community technology projects.

Developers contributing to the development of a Blockchain project are usually paid through "coins" (or tokens). In general, 5 to 10% of a fundraising event is devoted to this remuneration (bounty program).

The bounty program brings two main advantages to the project: First, it allows any contributor to actively participate in its evolution while being paid by the task. Secondly, it allows the team to identify talents who are passionate about the project in order to potentially integrate them into the team in a fluid and limited way in terms of risks. Indeed, the person has already contributed to the project and their skills have already been assessed by the team.

## **Protocols**

### **“Proof-of-work” (POW)**

The most widely used protocol to date (notably by Bitcoin) is called "Proof-of-work\*", or "Proof of work". It is composed of a decentralized network of nodes called "miners" providing the network with computing power.

In exchange for this contribution to the network, they receive "rewards" in the network currency, Bitcoin for this example.

This protocol (POW\*) has the particularity of using graphic cards or ASICs for their cryptographic calculations used to secure the network.

The purpose of these cards is to answer a complex equation and verify transactions. Once this equation is solved, the "miner" who has "mined" a block in the Blockchain receives the financial compensation for having participated in securing the network. This explains the emergence of many "mining farms" all over the world.

The problems raised by this protocol are of two kinds:

- The energy consumption generated by the explosion in the number of "miners"
- The emergence of a form of "centralization" of the benefits of network security, towards the largest miners.

## “Proof-of-Stake” (POS)

The "POS" or Proof-of-Stake is a protocol that appeared shortly after the Proof-of-Work and provides an alternative to it.

Indeed, this concept leaves aside the obligation of "work" (this is the enigma necessary to "forge a block") in favour of a notion of "proof of stake" or "detention". Cryptographic calculations in PoS are therefore easier to solve, and less energy consuming.

Each wallet can thus become a node of the network and contribute to the security of the ecosystem by "holding" even corners.

A rough analogy can be made with the principle of an A passbook, which will generate profits simply by holding funds.

The disadvantages of the POS are its operation only based on the capital contributed and the need for each user to run a node on a dedicated machine in order to be able to generate value in proportion to its capital.

## “Delegate Proof-of-Stake” (DPOS)

DPOS is a consensus that originates from the POS, and operates on the same network architecture basis.

However, one major difference is made: only elected delegates can validate the blocks. The community can thus "vote" for a delegate, who shares the benefits with his voters.

This network design allows "non-technical" profiles to generate profits on their capital by delegating responsibility for securing the network to a delegate they wish to support, without the need to transfer funds.

These delegated nodes formulate a project proposal, or a vision that they wish to defend within the network.

**Example :** A team of developers constitutes a delegated node dedicated to the development of applications for the network. They therefore apply for the position of "Delegated Node", including a project proposal, and for the distribution of the node's benefits. The ARK Ecosystem community (DPOS in place for 2 years) has seen a variety of proposals, ranging from 60% of remuneration to voters to 100%.

The advantage of this consensus protocol is that it can integrate different forms of profiles into the ecosystem, whether they are technological contributors or

not. The benefits generated by securing the network are therefore shared by the "forgers" with their voters, in proportion to their capital.

# Projet OSMOSE Collective

## *Unification Charter and Birth of an ecosystem*

*OSMOSE was born from a visceral and urgent need to respond to the challenges of our society.*

*It has become urgent to act.*

*Whether we are producers of vegetables or artistic and editorial content, business creators, artists, technicians, start-ups, associations, self-help networks, online services, official cultural sites, unofficial cultural sites, project leaders alone, or collective, independent labels or application developers...*

*We now want to work on a better future, without waiting for a political response to the major societal challenges of respect for the environment, social justice and cooperation.*

*We believe that civil society must organize a profound revolution.*

*To do so, it must have neutral, open and cooperative tools.*

*This revolution must not repeat the practices of political groups and parties, nor of state institutional organisation, since information and governance systems must themselves be fundamentally rethought by citizens to ensure truly democratic, transparent governance, and traceability and information security, allowing for the equality of its members.*

*In the face of lobbies, large bodies and the heavy and complex inertia of the old world, we focus on the development of local, regional, national and international initiatives in order to enable them to develop a framework for cooperation that really belongs to them and which, by its very nature, gives these entities a notion of a virtuous circle.*

*We wish to act through the operational, production and direct action of a paradigm shift in our approach to society, in order to lay a sound foundation for cooperation at all levels in a transparent and secure way.*

*Through OSMOSE, we aim to empower those who wish to rethink the conventional company from the decision-making of social organizations to the financing of common and public services, as well as their ability to create common tools and services, freely belonging to its users and its ecosystem.*

*OSMOSE wishes to "disrupt" with the system in place, and allow the emergence of a society of cooperation, respect for the human condition, and the environment.*

*The tool made available aims to enable the values of the Social and Solidarity Economy to massively accelerate the development of its projects, the promotion of initiatives, and the cooperation of the national and international soil of its actors.*

*OSMOSE wishes to emancipate all those who so wish from banking intermediaries, and state intermediaries who could go against the environment, and social justice. By creating a common currency based on the Blockchain, the ecosystem wishes to gain its independence from toxic and unfair trusted third parties.*

*Through this tool, we therefore wish to enable the financing of powerful and open cooperative tools that meet the needs of a generation that wishes to take action, and to cooperate dynamically to create a more cooperative, just and sustainable world.*

*The characteristics targeted by the very functioning of OSMOSE:*

- cooperative / open / egalitarian / democratic*
- independent / unstoppable / non-censurable*
- fundamentally useful / effective / practical*
- accessible to all and to all without distinction / open-source*
- environmentally friendly and pro-World Continuation*

*OSMOSE has no form of competition, no form of competition possible.*

*All initiatives, projects, movements, companies, associations, services, products, products, groups and individuals that share the values of OSMOSE can be freely integrated into the ecosystem. The technology is free, its code and updates are for eternity freely accessible to everyone.*

*It is also designed to be technically "connectable", and "interoperable" with initiatives that can match its values, whether they are local currencies, crypto-currencies, basic income projects, and specific independent currencies.*

*Everyone can take advantage of the tools provided, integrate the ecosystem in any way they wish, draw on common resources, connect their application to OSMOSE, or benefit from the financial and technical support of the ecosystem. Depending on his skills and desires, he can also put his strength and energy into the development of the ecosystem, through technical or non-technical contributions.*

*Each individual has the same rights, regardless of their social status, geographical position, capital, or skin colour.*

*Through OSMOSE, we wish to promote new methods of production, consumption and interaction between citizens and social organisations, whether commercial or not, and to establish a balance of power in favour of the values of the Social and Solidarity Economy.*

*Welcome to OSMOSE....*

*<http://www.osmosecollective.com>*

## **Vision**

OSMOSE is a digital tool for networks and actors in the cooperative world. This currency is intended to promote and develop the ecosystem of the Social and Solidarity Economy through tools.

During the first 2 years, OSMOSE will focus its energy on the development of software and digital tools, and will develop an inclusive ecosystem for both French and international players.

The OSMOSE project consists of several development phases:

Initially, OSMOSE will aim to build and develop a strong cooperative ecosystem, with a multitude of uses, services and products at its disposal.

This period, called "Coop 3.0", is intended to enable the integration of Social and Solidarity Economy actors into the ecosystem, through the use of software tools.

The creation of these digital tools is the fundamental basis for each of them to have new opportunities for cooperation and to develop new perspectives for economic development.

The OSMOSE Ecosystem

In a second step, OSMOSE will aim to develop a network of physical places.

From the simple "consumer" to the merchant, via laboratories, local or national companies, OSMOSE Collective offers cooperative and innovative places, and a technical system accessible to all, and open to all forms of cooperation.



# OSMOSE Blockchain

## Democratize the use of the Blockchain

OSMOSE Collective wishes to go beyond the framework of Blockchain technicians and specialists in new technologies to address professionals and the general public.

The use of a cryptocurrency dedicated to the project makes it possible to facilitate exchanges of value, limit intermediaries and set up participatory financing of the ecosystem by DPOS (see detailed explanation below).

Whether purely commercial exchanges (purchase of services or products) or exchanges of values related to a data (use, consultation of content, or documentation), the very use of "OSMOSE" cryptography (OSMOSE) by the various actors generates added value that can be allocated to the various projects through the delegates.

The share previously captured by intermediaries (payment services, various third parties, services, etc.) is now reintegrated into the ecosystem.

The notion of inclusiveness is an essential basis of the OSMOSE Blockchain. The protocol is intended to be "inclusive" in that everyone can freely benefit from a portfolio and join the community. The inclusive aspect also extends to the notion of open technical contribution, linked to the open source notion of technology.

For the deployment of this network and the acculturation of the general public to Blockchain technologies, several tools are made available, allowing the emergence of new uses and empowerment by future generations.

Among the tools deployed, some are digital, based on the blockchain (applications, platforms, online services...), others are physical and at the service of the community, allowing the encounter between digital and real life (places, events, meetings...).

An innovative, inclusive and cooperative environment:

- A secure and transparent protocol
- A technology that optimizes the energy consumption of the Blockchain
- Decentralized and democratic governance
- Open source technology

## **ARK technology and ARK Ecosystem Community**

OSMOSE is based on the Blockchain ARK.io technology, itself based in France and incorporated as a Société Coopérative d'Intérêt Collectif.

This technology, developed by an international team, has proven its technical robustness, effective decentralization and rapid evolution.

Developed since 2016, it has the particularity of carrying a vision of interoperability with the entire Blockchain ecosystem and other cryptocurrencies.

A sentence summarizes this vision, supported by the ARK community and its team:

"ARK has no competitors, only future partners."

The proximity of the OSMOSE team to the founding technical team of the KRG made it possible to study in detail the evolution of the ecosystem, both on the technical and community and human sides, and then to work on the modelling of this project for the benefit of the Social and Solidarity Economy.

With a proactive international community, the founding team of this technology, now 2 years old, is consolidating from year to year with a strong notion of decentralization. It corresponds in every respect to the values that OSMOSE wishes to defend with a technological vision of interoperability between Blockchains.

Currently composed of more than 14,000 people on their internal communication channels, the ARK community constitutes a pool of diverse contributors, able to participate in the evolution of OSMOSE tools.

The ARK community will obviously be fully integrated into OSMOSE, and the richness of its ecosystem is a natural force for proposing its evolution.

For all these reasons, we have chosen to use ARK technology in the implementation of the OSMOSE blockchain.

## **The OSMOSE Blockchain**

Rooted in the values of the Social and Solidarity Economy, the OSMOSE Blockchain aims to bring together both actors of digital innovation, but also the actors of tomorrow's world, for a more just, cooperative future, and respectful of both the human condition and the environment.

Through this approach, OSMOSE aims to provide a favourable context for cooperative values in an inclusive consensus.

The use of Blockchain technology is a powerful and strategic lever to free oneself from current constraints in the exchange of values, services, and products (intermediation fees, deadlines, etc.).

Co-constructed and managed for a diversified ecosystem, OSMOSE allows the integration of local authorities, institutions, entrepreneurship actors, agricultural circles, technological actors, large companies, VSEs and SMEs, content producers, start-ups, independent developers, grandes écoles, or various funders, associations.

Each stakeholder may see it as an interest of its own. From the merchant to the investor, via the developer, everyone can freely take their place in the ecosystem, and make it evolve according to their desires or needs.

The OSMOSE blockchain will allow for example :

- To experiment with the possibilities of peer-to-peer payments within the ecosystem (between individuals, groups, companies, cooperatives, associations...) without intermediaries.
- To book, and pay for space rentals (studios, workshops, coworking, rent on a campsite...).
- To pay for services & services within the ecosystem.
- To ensure democratic management of the place and spaces with transparency.
- To invent new forms of decentralized cooperation at all levels (internal, ultra-local, up to international level).
- Promote and help finance various projects in accordance with the values of users and cooperators.
- To remunerate content creators (tutorials, videos, clips, articles, manuals...).

Our common & cooperative services :

- Identity (encryption of personal data).
- Sending & receiving transactions by mobile phone & office portfolio.
- Messaging & group management (end-to-end encryption).
- Smart contract.
- Voting rating system: DPOS delegation.
- Map, site information, network condition, and financial condition.
- Social network and management of a democratic social organization.
- Timestamping (certification & time stamping of documents, works).
- Directory of cooperative initiatives, projects, tools, and resources.
- Cooperative events highlighting the ecosystem.
- Audiovisual content to promote the ecosystem.
- Event ticketing (festivals, events, etc.).

- Decentralized audio and video streaming service.

#### Uses

- Open or manage a place or project (housing, co-working, agricultural land, offices, fab-lab, factory, workshop...).
- Join an initiative or project.
- Vote and support a project.
- Support community initiatives and projects, participate in their co-financing, simply through a single vote, while keeping its OSM capital intact.
- Have open source resources at your disposal.
- Benefit from common tools, methodologies, and resources. (Cooperative statutes, budget models, organizational assistance...).
- Rent, sell, lend, buy, exchange all types of places, tools, services.
- Become a delegate and actively participate in the development of the ecosystem.
- Benefit from a Budget, a team, and common tools to develop an initiative and promote it within an open ecosystem.

#### **Technical specifications**

**Premine** : Assuming that the premature amount is 10,000,000,000,000 OSM, here are the technical characteristics of the OSMOSE blockchain. The final pre-mined amount will depend on the ICO and we will adjust the technical characteristics to keep inflation and value creation rates similar.

**Blocktime** : A block forged every 20 seconds.

**Block reward** : 2000 OSM reward for each block forged in the first year, then 1500 OSM in the second year, 1000 OSM in the third year, 750 OSM in the fourth year and finally 500 OSM from the fifth year.

**Transaction fee** : 1 OSM fee per transaction.

**Vote** : 10 OSM fees per vote.

**Delegate registral** : 4000 OSM to register an address as a delegate node.

**Inflation** : Assuming that there will be 10,000,000,000,000 pre-mined OSMs, the inflation rates will be as follows: 23.98% in the first year, 15.24% in the second year, 9.22% in the third year, 6.47% in the fourth year, 4.13% in the fifth year. At the end of the ninth year, it will be 3.55% and the total amount on the market will be approximately 22,000,000,000,000 OSM.

## **Financing by the DPOS protocol**

We have chosen the DPOS consensus system (Delegate Proof-of-Stake, see above) because it is environmentally friendly and allows value creation through the delegation process.

There is therefore a system of delegates who are elected to secure the network. In exchange for this security, delegates receive a fee. This remuneration can thus be used for projects in the service of the ecosystem or redistributed.

**Note :** the more funds a user has in OSMOSE, the more his vote reinforces the opportunity for the delegate to secure the network and thus benefit from the remuneration. However, each user remains the owner of his funds regardless of what happens and can decide to change his vote at any time.

The choice of a delegate allows the user to decide which projects he or she wants the ecosystem to develop first.

As a user, I can therefore decide to vote for a specific node in order to support its approach, or even to benefit from advantages on its service, its value offer, or the skills it makes available. In return, I also receive a portion of the compensation from the delegated node.

DPOS funding therefore paves the way for participatory funding based on the value created by securing the blockchain. Instead of this value being captured by mining farms that are very costly in terms of financial and energy resources, this value is democratically redistributed by the community to future projects in accordance with ecosystem values.

Our goal is to offer a viable alternative to public and private funding, which is within the reach of any member of the community provided that his project is supported by enough people with funds in cryptocurrency OSM.



Delegate nodes can be hosted by individuals or organizations from the community. They start forging for OSM Network as soon as they gather enough votes to be in top 51.



Anyone can submit a proposal of Delegate Forging Node, with his own profits sharing rules. Vote for a Delegate costs 1 OSM.



**USER**  
Holding 5,000 OSM



PROPOSAL

**LAMBDA DELEGATE**

**MISSIONS :**

- DEVELOPMENT OF NEW TOOLS
- ORGANISE MEET-UPS IN PARIS

**SHARING PROPOSAL :**

- 80% OF REWARDS FOR VOTERS
- 10% FOR DEVELOPMENT
- 8% FOR MEET-UPS ORGANIZATION
- 2% FOR FORGING NODE

SHARING PROFITS EVERY WEEK-END  
CONTACT ME ON SLACK  
@LAMBDA\_DELEGATE

VOTE COSTS : 1 OSM

80% REWARDS

BENEFITS FROM DELEGATE  
80% OF SHARE AMOUNT GOES TO VOTERS.

## Tools

A number of tools will make it possible to use the OSM cryptocurrency as a simple and secure payment system for companies, individuals, self-employed workers and merchants.

We will rely in particular on the open source tools made available by the ARK community, already compatible with the OSMOSE blockchain that you can find at: <https://github.com/ArkEcosystem>

In addition, the tools developed by the OSMOSE collective are already available at the following address: <https://github.com/osmose-collective>

# Articles of Association of the company

OSMOSE Collective is constituted as a Cooperative Society of Collective Interest.

Based in France in a very dynamic territory, it benefits from legal, fiscal and legal support from leading players in the Blockchain universe, and from specific support from French institutions.

Trained in the Paris Saclay region, after nearly 3 years of work on the technological aspect, a diagnostic study of the French cooperative sector, the company benefits from a strong territorial base and an institutional and economic ecosystem that is attentive to its needs.

The cooperative society has a democratic governance system specific to cooperative societies. Indeed, the different forms of actors are integrated into governance:

- Founder's College
- Employees College
- Users Colleges

## **France and Institutions**

With a breeding ground of researchers, mathematicians and engineers of excellence, France represents a host territory perfectly adapted to the deployment of an innovative international project.

The year 2018 seems to represent a key year in the development of the Blockchain actors on French territory, through the consultation carried out by deputies and government actors to propose an appropriate framework.

We observe the creation of study groups, associations bringing together all the actors, resource events involving institutions and entrepreneurs, but also investment funds and grandes écoles.

It now seems natural to the founding team to develop this project under a cooperative structure based in France, in order to represent the actors of the Social and Solidarity Economy within the Blockchain ecosystem, on the one hand, but also to allow traditional institutions to take possession of the tool we constitute at their service.

The Autorité des Marchés Financiers setting up a "visa label" to identify ICOs (cryptocurrency fundraising) insured as legal, the OSMOSE team and the specialised law firm accompanying it in its approach does not conceive of starting ICO OSMOSE without obtaining this label.

## Cooperatives and Blockchains

France is a historically leading territory in the field of social innovation, and has a strong and structured cooperative network of key players.

Moreover, with the current multi-national trend of African business development and investment, Osmose aims to be pioneers in African commerce, collaboration and blockchain initiatives with a strong African node (BeAfrica).

Listening to these different networks, both institutional and independent, the OSMOSE team tries to contribute to the federation of various actors with similar constraints and problems. Through its approach of openness and social and technological innovation, OSMOSE Collective wishes to offer the French territory an opportunity to promote the values of the Social and Solidarity Economy internationally.

## Founding Team

### Founders

- Antoine Breuil (CEO & Founder)
- Fabien Palazo (CTO & Founder)

### Founders Africa Ecosystem (BeAfrica)

- Taoufik Mousselmal
- Basson Engelbrecht

### Team

- Guillaume Toresa (Lead Developer)
- Etienne Bouché (SysAdmin & Network Analyst - P2P.legal)
- Jérémy Sintès (Consultant Transformation Digitale Entreprises)
- Tarik Badeff (Graphiste, Motion Designer & UX)
- Yohann Grignou (Video Director)
- Edson Borelli (Security & Infrastructure Officer)
- Till Kosiol (Infrastructure & Admin Sys)
- Xu Wanking (Chinese Community Manager)

### Board Members :

- Nicolas Voisin  
(Conseiller Écosystème Peri-Urbain- SAS La Suite du Monde)
- Adrien Lafourcade  
(Conseiller Écosystème Rural - SAS La Suite du Monde)
- Nicolas Loubet  
(Conseiller Tiers-Lieux & Communs - SAS La Suite du Monde)
- Jean-Etienne Durand (Conseiller Écosystème Blockchain - Fusion.xyz)

### External Advisors



- Oben AYYILDIZ (Rec Innovation)
- Yohann Merran (Blockchain Analyst & Founder @ Joynr)
- Pierre-Adrien Cossé (Financial - Supervisor @KPMG)
- Mathieu Castaings (Account Expert & Founder @ Finacoop)
- Denis Palazo (IT Executive Manager @ Orange Business Services)

## Partners

### Potential partners

- ARK (Technologie Blockchain)
- Samourai Coop (réalisation vidéo, événements)
- Accenture
- Blockchain Legal
- Scoping (Travaux & Réhabilitation Immobilière)
- France Active (Financement Solidaires)
- France Innovation (Réseaux Fintech)
- Caisse des Dépôts
- Chambre du commerce et de l'Industrie (CCI)
- URSCOP
- Centrale Supélec
- Journal du Coin
- Cagette.net
- Ledger
- Archos
- Chain Accelerator
- Ticoon
- Blockchain Partner
- CRESS - Chambre Régionale de l'Économie Sociale et Solidaire
- Ministère de l'Écologie, du Développement Durable et de l'Économie Sociale et Solidaire
- Musicoin
- Chaintech

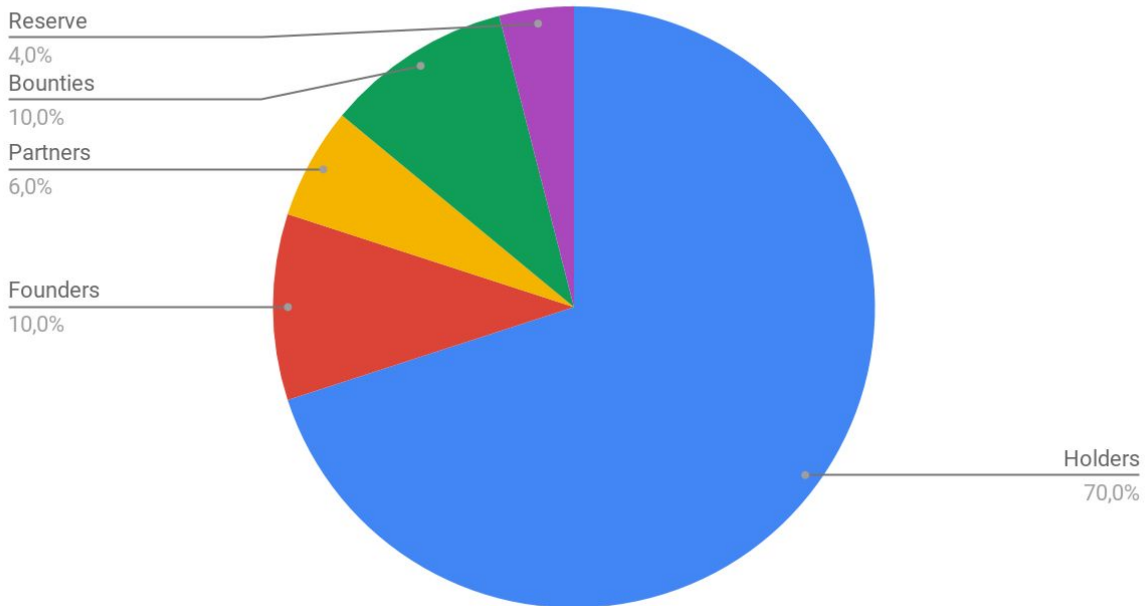
# ICO

An ICO aims to finance the project through its blockchain component and will make it possible to enhance the value of the OSMOSE cryptocurrency (OSM) so that it can be used in local or international exchanges.

The idea is to aim for a minimum amount that, if reached, will make it possible to carry out the project. If the minimum amount is exceeded, the funds will be exclusively dedicated to the development of the network, applications, events and places in the ecosystem.

The funds will come from traditional public and private institutions, in the form of fiduciary currencies, and from other private investors in the form of cryptocurrencies (Bitcoin, Ether, Bitcoin Cash, ARK, etc.).

## Token Sharing



The distribution of the corners will be as follows:

- The share of investors will represent 70%.
- The founders (OSMOSE Collective) will own 10% of the shares
- Partners will receive 6%.
- The bounty program will consist of 10%.
- The reserves will consist of 4%

**Mathematical & Economic Simulation on a hypothesis called "Genesis":**  
[Click here.](#)

## ROADMAP

**The main stages in the development of OSMOSE:**

OSMOSE will aim to develop the following tools within its application (Wallet\*, portfolio), in order of priority :



**The exchange of monetary value.**

The OSM cryptocurrency, which allows exchanges within the ecosystem.  
Development of portfolios (Mac, Win, and mobile) allowing transactions.

*Level of progress : 100%*

**Financing by DPOS :**

The OSMOSE ecosystem allows the financing of projects through the Currency Security Process (DPOS), including a democratic voting system.

*Level of progress : 100%*

**The development of a directory / map of ecosystem contacts :**

*Level of progress : 10%*

**Management of a social organization & its democratic governance.**

OSMOSE will allow the creation & administration of groups within its wallet. Integrating a voting system secured by Blockchain, the governance of these groups will be facilitated, and encouraged by a dedicated tool, allowing common decision-making, co-investment, and co-management of the revenues of an activity, event, or place.

*Level of progress : 10%*

### **Checkout tool (Shops, Places, Hotels, Campsites, Bar, Festivals...)**

We want to create the common tool adapted to this growing need of structures across the French territory, and frontally attack a very expensive need of these structures with an open source solution, integrating the possible payment in OSM.

*Interoperability with Cagette.net*

*Level of progress : 10%*

### **Tickets:**

Development of a solution for managing an event ticketing system without intermediaries.

*Level of progress : 0%*

### **Transport :**

Integration of the OSM into a driver application, incorporated as a cooperative.

*Level of progress : 0%*

### **Financing of cooperative sites :**

OSMOSE aims to create places of cooperation, financed entirely by the benefits of network security, and partner cooperative funds.

... *The complete updated [ROADMAP is available by clicking on this link.](#)*

### **The structuring of independent companies with specific objectives:**

**SAS La Suite du Monde** : Purchase of agricultural land & campsites (15% of the French territory).

This team will be responsible for the acquisition of Land & the establishment of a rural network of places, kampings, and agricultural land suitable for organic & permaculture farming. Rents will be payable in OSMOSE.

**BeAfrica** : Marketplace to defend and promote the African economy.

**Cagette** : Cash register software for AMAPs, Biocoops, various associations.

**Berty** : Encrypted communication software for individuals and groups.

**France Active** : Historical entity of solidarity financing, it supports the creation of cooperatives and associations from the structuring to its financing.

**Samourai Coop** : A cooperative production company, it is committed to defending the independent production of content (films, documentaries, clips, albums, etc.) and cultural events (events, festivals, hackathons, etc.) while

gradually supporting an ever-increasing number of artists in the development of their activities.

**PeerFy** : A cooperative company dedicated to the distribution of artistic content (music & video) through a decentralized and profitable channel.

*The list of partners being infinite, the projects already started in the summer of 2018 are named here. It does not take into account any recent discussions.*

## **ROADMAP**

- **January to August 2018 :**
  - Setting up partnerships with stakeholders (AMAP, etc.)
  - Launching the devnet
  - Deployment of Genesis nodes
  - Events (Meet-up, Afterworks,...)
  - ICO preparation
  - Development of the national and international community
  - Selection of investors & partners
  
- **October: OSMOSIS Pre-sale**
  - Pre-sale: from Monday 1 October to 30 November 2018
  - Community development & partners
  
- **Public Sale - ICO: December 1 to December 20, 2018**
  - Initial Coin Offering: \$0.005
  
- **October to December 2018**
  - Events (Meet-up, Afterworks...)
  - Production of audiovisual content and promotion
  - Community development
  - Token on Exchange
  
- **January 2019**
  - Launch of the net hand: January 7, 2018
  - OSMOSE-related community events
  - Start work on Festivals / E-sport / Cultural events
  - Expansion of the partner network on the OSMOSE platform



## Official communication channels

Website : [www.osmosecollective.com](http://www.osmosecollective.com)

Slack : [Slack OSMOSE](#)

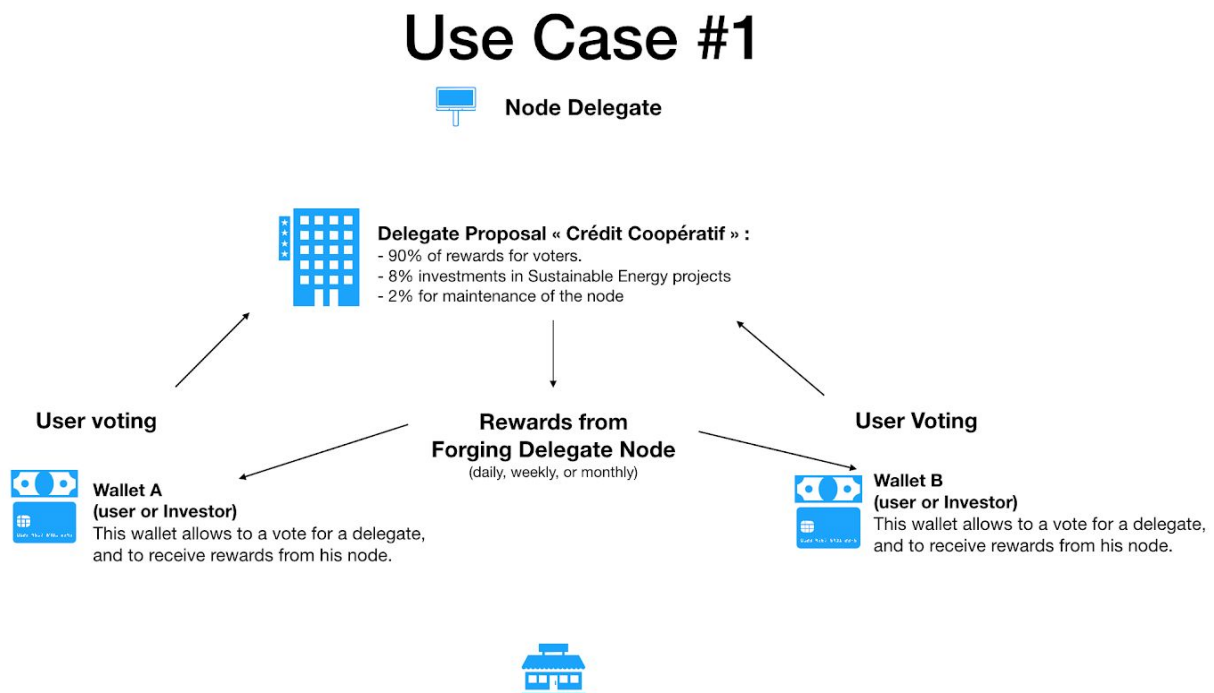
Telegram : <https://t.me/joinchat/FQtyOxBK-Xcux4OcfWcRuQ>

Discord : <https://discord.gg/V8eECg7>

Original Facebook group : [facebook private group link](#)

# Appendices

## Examples of delegate proposals



### Use Case #1: Coworking

Coworking areas have been booming for half a dozen years now.

Meeting the needs of freelancers and small structures, these premises provide users with premises to host their economic activity and enable them to manage shared charges.

As soon as a delegated node is hosted by a third party, or a coworking space, it can propose to its members to vote for it, and thus to generate a profit allowing to contribute to the payment of the rent.

For the user voting, this represents a saving on his rent or even the full rent depending on the amount he invests in OSM.



## **Use Case #2: Festivals**

In France, we can count on a good number of music festivals founded by young associations.

They have similar needs for equipment, funding, and skills.

By creating a delegated node called "Festivals", for example, all the organizing associations can generate added value that will be shared in proportion to the capital between the associations, members and festival-goers.

Everyone can thus "co-finance" the tools necessary for holding events (equipment, cryptocurrency payment system, advertising, various services, etc.), potentially representing an alternative to public and private subsidies.

## **Use Case #3 - BioCoop**

If a Peasant Agriculture Maintenance Association (or BioCoop) decides, for example, to submit an application for a delegated node, it could take the following form:

We propose to our customers to vote for our delegate node on the basis of this distribution:

- 80% donated to our customers (corresponding in some way to vouchers, or loyalty points)
- 10% devoted to the organisation of a BioCoop end-of-year event
- 8% generated for BioCoop
- 2% kept for the maintenance of the delegated node and its administration.

The customer will therefore generate a profit by voting with his portfolio for his BioCoop.

When he votes for a node with his wallet, he remains the full owner of his funds.

Let us assume that he has 10,000 OSMs in his portfolio. The vote will cost him 1 OSM.

With its remaining 9999 OSMs, it will generate a daily profit of a few additional OSMs by the "DPOS".

## **Use Case #4 - Bank**

We propose to our customers to vote for our delegate node on the basis of this distribution:

- 90% donated to our customers (corresponding in some way to vouchers, or loyalty points)
- 8% generated for an investment fund of innovative entrepreneurs
- 2% kept for the maintenance of the delegated node and its administration.

### **Use Case #5 - Start-up**

We propose to our customers to vote for our delegate node on the basis of this distribution:

- 70% donated to our customers (corresponding in some way to vouchers, or loyalty points)
- 28% generated for the development of the start-up's application
- 2% kept for the maintenance of the delegated node and its administration.

### **Use Case #6 - Restaurant**

We propose to our customers to vote for our delegate node on the basis of this distribution:

- 70% donated to our customers (corresponding in some way to vouchers, or loyalty points)
- 20% generated for the financing of a restaurant's goodwill
- 8% generated for the opening night of the restaurant
- 2% kept for the maintenance of the delegated node and its administration.

### **Use Case #7 - Event Producers**

We propose to our customers to vote for our delegate node on the basis of this distribution:

- 80% donated to our customers (corresponding in some way to vouchers, or loyalty points)
- 18% generated to finance an OSMOSE Collective event
- 2% kept for the maintenance of the delegated node and its administration.

### **Use Case #8 - Local Media**

We propose to our customers to vote for our delegate node on the basis of this distribution:

- 80% donated to our voting readers (corresponding in a way to purchase vouchers for the following publications)
- 18% generated for the financing of the local newspaper
- 2% kept for the maintenance of the delegated node and its administration.

### **Use Case #9 - Independent Developer**

I propose that the community vote for my delegate node on the basis of this distribution:

- 80% donated to our voting readers (rewards, node profits)
- 18% generated for the development of my application dedicated to music
- 2% kept for the maintenance of the delegated node and its administration.

Use cases are given as examples, and the community can freely imagine the use cases it wishes to see developed within the ecosystem. The official technical teams or open source contributors will work to implement them according to the needs of the ecosystem.

**"ROAD MAP": Long-term vision**

## **TERAA Network: Places of cooperative innovation**

TERAA, which means "Temple" in Japanese, is divided into two distinct and complementary parts:

1. A physical place (audiovisual production tools, workspaces, workshops, gardens, datacenter, mining...)
2. A digital temple (resource platform, videos, documents, tutorials, articles, diy...)

The complementarity of these two "temples" is explained by very simple observations: In an image-based society, it is necessary to create resources for education, awareness and self-training that allow everyone to open new perceptions, to freely access and even contribute to content.

Moreover, to enter the "real" and reach the general public, Blockchains will need physical places to put faces, and tangible tools at the disposal of the general public as well as professionals.

TERAA aims to become a global network of innovative and decentralized cooperative places around OSMOSE technologies, and at the service of its actors:

- A network of international and P2P (Peer-to-Peer) cooperation sites.
- Blockchain-Friendly, Blockchain Lab locations open to the general public.
- Resource and information centres for institutions, the general public and entrepreneurs.

The first physical location called "TERAA Genesis" is the starting point of this network.

### **TERAA Genesis**

Located in the heart of the strategic Paris Saclay region, TERAA Genesis is ideally positioned within an economic and technological centre composed of

prestigious schools, companies and institutional players. Accessible by all possible means of transport (TGV station, RER B/C, Motorways, Airports...), the place is an innovative meeting hub.

Paris Saclay is one of the levers of the economic development of the Ile de France region. This cluster must therefore have a place dedicated to innovation both on the subject of Blockchain technologies and on the social and solidarity economy.

TERAA Genesis has a viable and autonomous economic model, allowing its independence and a long-term development strategy. It is intended to enable the development of the local economy, by hosting companies, projects (R&D, start-ups, associations...), and cultural activities. (see financing section below)

The subjects that we are passionate about and the themes that we integrate into TERAA:

- Innovation and technology in general
- Cultural and artistic self-production as well as publishing
- Environmentally friendly energy (Photovoltaic, innovative energies...)
- Assistance and support for cooperative, entrepreneurial and associative projects
- Blockchain technology
- Permaculture: innovative farms, urban farms and food autonomy
- Health: Kinesitherapy, Meditation, Well-being and Martial Arts

TERAA Genesis is one of the first initiatives where the Blockchain has a dedicated experimental area and is confronted with the reality of usage.

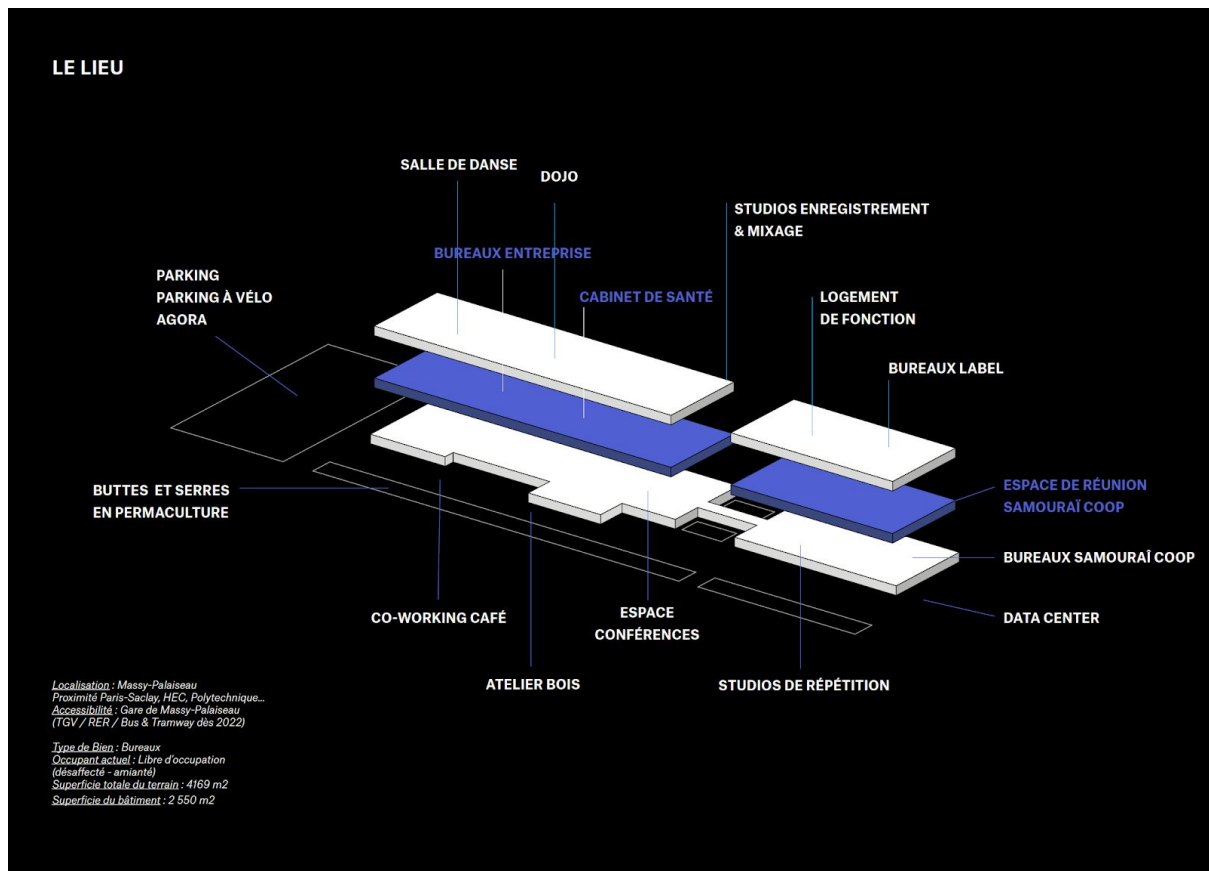
### **Main economic hubs**

1. Rental of professional spaces  
Adapted rental spaces (offices for young companies, associations but also health professionals and firms).
2. Audiovisual and event production  
Artistic direction, (multimedia media design, advertising, filming, editing, mixing, recording) and event organization.

The organization of diversified events aims to promote the OSMOSE project in all its aspects (opening to the general public, raising awareness of the challenges of the blockchain, building a sustainable ecosystem).

Cultural events, conferences serving the local economy (such as hackathons), or eSport events for gaming communities, and many others, offer a variety of meeting opportunities.

3. Data Center with Blockchain Consulting Service  
Assistance to SMEs, associations, project leaders, digital transition and Blockchain expertise.
4. Restauration coworking Café  
In the form of an open space with free access for freelancers, graphic designers, developers, architects, etc., it is a friendly reception area where people will have the opportunity to eat all day long.



## Development strategy for other TERAAs sites

This strategy is based on a gradual deployment of the network of locations. The first step is the implementation of TERAAs Genesis presented above, which is the spearhead.

In a second phase, a series of partnerships with existing sites in France will be established.

At the same time, the OSMOSE team is working since July 2018 to build a network of international partner sites, in order to approach international development step by step, with a prudent strategy.

The process of establishing a partnership consists of 3 steps:

- The meeting / discovery of a place or a team wishing to join the network.
- Study and diagnosis of the economic model, values, and team of this place
- As soon as the compatibility of this location with the OSMOSE network is effective, it is supported by the OSMOSE Collective team in the deployment of the tools, and the constitution of a delegated proposal. If elected by the community, this site will receive funds through its delegate node to help finance its activities.

Within each country, OSMOSE Collective has contacts in charge of meeting cooperative places, and potential ecosystem actors (cooperatives, places, project leaders, etc.) in order to establish a human relationship with individuals.

These community members are responsible for reporting back on the exchanges with the rest of the ecosystem, and for giving their opinion on the interest of a delegated node.

This exchange is necessary to help the ecosystem assess the coherence of the partnership, the seriousness of the project team, and the strength of their project.

To date, about ten entities (companies, associations, foundations) have been identified as potential partners, and will propose a delegated node as soon as the OSMOSE Blockchain is deployed at the end of September 2018.

- France (Paris Saclay + autres)
- Europe (Londres, Berlin, Munich, Lisboa,, ...)
- Worldwide (São Paulo, Santiago, San Francisco, New York, SEA, China, Korea...)

## **OSMOSE Digital Temple**

A Community platform is designed to help cooperation between ecosystem stakeholders, whether they are internal to the TERAA site or from other territories.

This platform is composed of an open forum, resource spaces, and technological tools allowing the exchange of skills and services at the service of the community.

Tutorials, moocs, training courses are provided free of charge. Contributors can be paid in OSMOSE, and thus capitalize "credits" to pay office rent, a creative space, or a service within the TERAA Genesis location.