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<table>
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<th>Author</th>
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<th>Description</th>
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<tbody>
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<td>30.03.2020</td>
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<td>Indeco Soft</td>
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<td>Aries Transilvania</td>
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<td>03</td>
<td>05.04.2020</td>
<td>Dorin MICLAUS</td>
<td>Baia Mare</td>
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</tr>
<tr>
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<td>Pietro ELISEI</td>
<td>Urbasofia</td>
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</tr>
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<td>21.04.2020</td>
<td>Sorin POP</td>
<td>Indeco Soft</td>
<td>Integrated version</td>
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<tr>
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<td>30.04.2020</td>
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<td>Urbasofia</td>
<td>Final draft revision and completion</td>
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<td>13.05.2020</td>
<td>Sorin POP</td>
<td>Indeco Soft</td>
<td>Public version</td>
</tr>
</tbody>
</table>

Table of Acronyms / Glossary

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>iLEU</td>
<td>Immaterial Local Environmental Utility</td>
</tr>
<tr>
<td>ICO</td>
<td>Initial Coin Offering</td>
</tr>
<tr>
<td>SIB</td>
<td>Social Impact Bonds</td>
</tr>
<tr>
<td>IOU</td>
<td>„I owe you“ (pronunciation): Signed document acknowledging a debt</td>
</tr>
<tr>
<td>NBS</td>
<td>Nature Based Solutions</td>
</tr>
</tbody>
</table>
1. EXECUTIVE ABSTRACT

The Immaterial Local Environmental Utility (iLEU) is Baia Mare’s response to stimulate a behavioural shift towards environmental awareness and climate change mitigation at both individual and organizational levels. Based on blockchain technologies, the iLEU represents a reward system for environmentally friendly actions and an enhancer for boosting green entrepreneurship and community involvement in turning the city in a climate change mitigation champion.

Baia Mare city’s ambition in transforming from a former mining center and heavily polluted city into a green, touristic, and modern urban center developing local innovation and stimulating entrepreneurship.

This document describes the city’s need to act towards solving environmental problems through a platform that stimulates community involvement, the development of the local economy and the creation of opportunities for eco-entrepreneurs and eco-innovators.

Based on a quadruple-helix model, iLEU Ambassadors motivate citizens, business, NOG’s and the local administration to use, adopt iLEU and maximize it’s potential benefits for their day-to-day life and organization.

How iLEU can be obtained is also described, including mining, payments and value.

The blockchain technology is based on advanced cryptography, also keeping in mind the social component and means of obtaining iLEU, while keeping a high degree of transparency, accountability and trust.
2. CONTENTS

Authors: 2
Revision History: .................................................................2
Table of Acronyms / Glossary ..................................................2
1. Executive abstract ............................................................3
3. Why? ...............................................................................5
3.1. Once Upon a Time ............................................................7
3.2. Blockchain to help solve environmental problems ..........8
3.3. iLEU Platform ...............................................................9
   3.3.1. Community Involvement, eco-entrepreneurship and eco-innovation ..........10
4. Who? ..............................................................................12
4.1. The iLEU quadruple helix .............................................12
4.2. iLEU Ambassadors ......................................................13
4.3. iLEU users ....................................................................13
   4.3.1. Citizens ..................................................................15
   4.3.2. Benefits for the local business and the community .........................16
   4.3.3. NGO’s ..................................................................18
   4.3.4. The local administration ...............................................19
5. How? ..............................................................................20
5.1. iLEU mining ...............................................................20
5.2. iLEU value .................................................................20
5.3. iLEU payments .........................................................21
6. What? .............................................................................22
6.1. iLEU technology .........................................................22
6.2. iLEU ICO .................................................................22
7. Next steps .......................................................................24
8. Glossary .........................................................................25
3. WHY?

Baia Mare joined the club of European Innovative Cities proposing a revolutionary approach to the reuse of heavy metal-contaminated land in the city, through adaptive phytoremediation and the creation of new urban ecosystems, as a long-term strategy for sustainable local economic development.

Baia Mare’s industrial past in the mining and metallurgical sector left circa 627 hectares of land polluted by heavy metals (up to 5 times the acceptable value) within the metropolitan area, which are now disconnected from the urban framework and a danger to the inhabitants and the environment. SPIRE’s challenge is to test an integrated, innovative strategy capable of:

- Co-creating new bio-based development models and novel solutions to pressing urban issues, like housing
- Finding alternatives to fossil fuel to foster sustainable energy transition
- Recovering contaminated land and starting a long-term phytoremediation and land revalorisation process
- Supporting participation and a behavioral shift, leveraging on novel digital solutions to reward environmentally friendly actions

iLEU, a local digital token system will reward civic environmental behavior, involvement and eco-entrepreneurship. Using it, SPIRE will stimulate awareness, knowledge and capacities related to environmental sustainability in order to actively engage and involve the citizenry and local stakeholders in the co-creation and embedding of a shared system of values aiming at a shift in the overall behavior, attitude, and relationships between actors, towards an eco-friendly culture and a widespread collective ownership of SPIRE’s goals and activities.
3.1. Once Upon a Time

In the early 1930s, the Great Depression was menacing the fragile economies of the world, causing unemployment and a general lack of service availability. Economists of the early 20th century came up with solutions to mitigate the effects of the economic contracture. One of the innovative ideas at the time, presented by economist Silvio Gesell, involved the concept of "free money" stimulating money velocity within local communities and thus increasing local wealth. Several experiments were carried out based on his theories, including the Worogl experiment in Austria, or the WIR in Switzerland.

The common problem all initiatives were trying to solve was that people were lacking the will to spend their economies on goods and services and were rather inclined to barter for what they needed. However, the barter model faced the "double coincidence of wants" problem (both participants needing what the other has to offer). Local currencies are seen as less valuable than national ones (even if they hold the same monetary value) as they are usable in a smaller circle.

During the Great Depression, numerous local coins emerged, supporting trade and service provisioning in small communities, highly affected by unemployment, lack of trust, lack of service provisioning and lack of willingness to pay for goods and services.

Both the Worogl Experiment and WIR (originally Wirtschaftsring — "Economic Circle") managed to boost the economics in the respective local communities. The Worogl Stamp Book implementing the local currency was so successful, that the French Prime Minister at the time used it as inspiration, while tens of cities in Austria wanted to replicate the model. Unfortunately, the Central Bank of Austria abruptly stopped the experiment two years later, but not before this experiment saved the local economy and boosted the city from economic recession to economic prosperity.

This short incursion into the past outlines that communities leveraging on local currencies have known periods of economic and social development, trust increase and great teamwork between citizens, business and local authorities.
3.2. Blockchain to help solve environmental problems

Some cryptocurrencies (such as Bitcoin) have a huge market share, potential, reach, value and provide important financial rewards for their miners. This, in turn, may have a negative impact on climate and even generate global warming due to important mining facilities (datacenters using huge amounts of energy - renewable or mostly non-renewable – to solve the difficult cryptographic challenges). Out of these considerations, iLEU decided not to further encourage the practice of wasting energy on irrelevant cryptographic challenges. The „traditional” crypto-mining has been replaced by an innovative way of obtaining iLEU.

Blockchain is used to ensure its transparency, decentralization, fairness, prevention of double spending, and ensuring a strong, safe and secure backbone for the iLEU. Thereby the iLEU blockchain can be replicated, copied, verified and its transactions can be validated by any interested party or user, but will not grant them any rewards or benefits for doing so. The main benefits of decentralized blockchain are transparency, accountability and prevention of double spending, as described from a technical point of view in chapter 8.

iLEU will support initiatives such as prioritizing investments, crowdfunding and sponsorship of environmental-friendly initiatives, weather they come from the public or private sector.

SPIRE aims to support eco-entrepreneurs and green-blue initiatives. iLEU will support from the financial and cashflow point of view. Putting an immaterial value on initiatives adds responsibility and accountability from entities cashing in iLEUs for such actions.

From an economic point of view, SPIRE will capitalise on underused local resources in order to stimulate the development of new green-economy activities. This will result in the generation of a bio-based energy supply and the start-up and incubation of new businesses dedicated to the prototyping and production of innovative construction materials, with the ultimate effect of reducing the overall GHG emissions in Baia Mare.

The iLEU is one of the innovative elements of SPIRE and will require a lot of agile management, as nothing similar has been done before in Europe. Existing cryptocurrencies, tokens or reward systems either tackle citizen actions (mining, performing civic actions, using alternative transport, recycling, reusing material, etc. – e.g. dovu, well), or business ecosystems (Sardex). Furthermore, most initiatives are domain-specific rather than local-community oriented.

SPIRE HUB is a dynamic tool, and the iLEU will have to adjust in order to be compliant and support the dynamics and activities of the HUB. Amounts of iLEUs for events would vary depending on involvement (actions where high interest from the public is shown will require less iLEU than the ones with small interactions. Furthermore, legislation on cryptocurrencies is scares in Europe, whilst the EU Central Bank and National Banks are planning measures in the forthcoming years. This requires sufficient agility from the consortium so that the iLEU can rapidly become legislation-compliant, should such legislation emerge.

3.3. iLEU Platform

iLEU will contribute to the project activities for the local community involvement as part of the co-creation concept inside the SPIRE HUB, in the phytoremediation sites and throughout the city (business, citizens, NGOs, service providers and local authorities). It iLEU will support project communication and dissemination events, where iLEU will become a reward system in a gamified process.

**iLEU is a mechanism for incentivizing local stakeholders to take action** for environmental protection, phytoremediation, reuse of polluted sites, development of green entrepreneurship, involvement in the SPIRE HUB and a general facilitator for community building, co-creation and citizen involvement.

**iLEU is designed as a living tool leveraging on blockchain technologies, both from the technical side and as a business model.** It is a mechanism of co-creation, whose dissemination implies two approaches: first, the dissemination of the tool itself, respectively building trust and creating momentum around it and second, using the tool to boost SPIRE’s actions and activities.

Create a community

The first will be achieved through events and stakeholder involvement (including indirect stakeholders such as local businesses as iLEU acceptors in the first place, besides the local authorities and subsidiaries), as well as through dissemination campaigns including the aforementioned ones.

Reward the community

The second implies prizes and rewards for civic actions tied to SPIRE’s activities (the HUB, phytoremediation, co-creation, events, campaigns, entrepreneurial initiatives, etc).

From this perspective, the iLEU is a dynamic tool meant to increase visibility and attractiveness of SPIRE supported actions, an agile tool that Baia Mare and its partners will adapt depending on the involvement of third parties. The iLEU ICO and amounts available for dissemination activities will be estimated as a subsidy of the baseline study and will be adjusted based on events occurring in the city (e.g. candidacy as European Youth Capital, Social Impact Bonds developments, participatory budgeting, etc).
3.3.1. Community Involvement, eco-entrepreneurship and eco-innovation

In the implementation of Nature Based Solutions (NBS), sustainable urban regeneration and new solutions challenging the status quo of resource use in cities, one of the biggest hurdles represents shifting the mindset of the citizens. Significant barriers to changing citizen or user behavior in what concerns, for example, patterns of urban traffic or the reduce-reuse-recycle approach to valuable natural and man-made resources stem from the lack of information and incentive to citizens. There is an overall low awareness in what concerns the cost-benefit of NBS, green entrepreneurship and sustainable resource use, due to multiple reasons:

1. Nature and environmental action are not often „translated” to costs and material benefits;
2. There are very few programs supporting green retrofitting;
3. Green solutions are perceived oftentimes as pricier without a clear-cut benefit on the individual investor side;
4. Lowering consumption of resources and changing the modal split in a city are hard to achieve without incentives, since the price point for utilities and fuel is still moderately low;
5. Finally, green action is still very fragmented, an individual action rather than a community approach: it is difficult to convince citizens of the scale impact without first reaching critical mass, and vice-versa.

iLEU is designed as a token system addressing the challenges above by simply giving an understandable and relatable value to environmental action in Baia Mare. iLEU can transform a purpose which is oftentimes perceived as abstract or independent of individual action (urban sustainability, quality of life and nature for renewal) into a clear, shared and financially endorsed goal of the City Hall and community of Baia Mare.
At community level, using the iLEU will lead to an enhanced awareness of SPIRE priorities and actions and to the strengthening of community cohesion, especially through the opportunity that the citizens will have to become involved in the project implementation actions: co-design processes for the on-site phytoremediation projects, plantathlons, reusing/recycling biomass for local energy production and other community events which are foreseen in the project.

Another important purpose of the iLEU beyond shifting the local behavior at community level is that of supporting both existing businesses, as well as the development of new eco-entrepreneurship initiatives, creation of green jobs in the Baia Mare city and metropolitan area, and a general redevelopment of local economy from the historical mining (of heavy metal ore) to a new „mining“, of ideas and initiatives aimed at greening the economy. iLEU will support the local economy by lowering the tax burden of affiliated businesses, which can pay a share of either city taxes, or goods and services procured from other private companies enrolled with iLEU, through the token. This alternative value stream at local level ensures not only the necessary incentive for green action and awareness, but also the strengthening of the local business ecosystem and, lastly, a more cooperative and thus resilient local economy.

In perspective, the up-scaling of SPIRE phytoremediation at Metropolitan level will open multiple opportunities for green jobs in several sectors. New eco-entrepreneurs are also supported and rewarded with iLEU during the SPIRE implementation, specifically for their green solutions that would advance the project efforts in ensuring:

1. A scalable biomass-to-energy value stream, from safely reusing energy coppice sourced from the remediation plots;
2. Alternative, cost-effective and locally-produced material which can be used as construction or insulation materials, in a safe way.

Furthermore, SPIRE is providing an incentive to further use the project technologies and know-how for local entrepreneurs after the completion of SPIRE and assisting the crystallization of a local community of practice, specifically around the SPIRE HUB.
4. WHO?

4.1. The iLEU quadruple helix

Over the last 7 millennia, cities evolved from the status of a defensive marketplace to industrial or research centers. Nowadays, European cities are considered to be the backbone of the Union’s societal development, alongside SME’s which are the economic strongpoint. Cities are shifting towards a service-based approach. Helsinki is Europe’s first CaaS is short for “City as a Service – an all-inclusive service bundle that unlocks the entire city. This platform-to-be is on a mission to motivate, guide and help international tech talent feel at home in Helsinki” [https://helsinkiasaservice.com/].

Aiming for sustainability, Baia Mare plans to import to develop a service-based approach to build a strong local ecosystem creating liaisons between local actors meant to develop and sustain the local economy.

Citizens, Business, NGO and the Administration form a quadruple-helix development ecosystem designed to innovate openly, create new products and services that support the civic-social-economic-governance development in the city.

Oversimplified, the iLEU quadruple helix stimulates citizen-centric services from the public and private sector, while empowering citizens, business and NGOs to support the co-creation of public services. The Business sector benefits from the iLEU as a local economy booster (iLEU can only be spent locally) while shaping itself according to specific local needs of citizens, NGO’s and authorities. NGOs’ actions are sponsored through iLEU, on condition they answer specific challenges within the city.

The iLEU works and shapes an ecosystem based on a Public Private People Partnership (PPPP).
4.2. iLEU Ambassadors

An iLEU Ambassador is a person or organization that contributes to the development of the SPIRE ecosystem based on iLEU. Its role is to publicly present the iLEU in a positive light to help increase iLEU’s users and acceptors pool. The ambassadors need to agree to SPIRE and iLEU’s values and ethics.

iLEU Ambassadors need to have a positive attitude and high moral conduct, benefit from a good network of partners, and, of course, be an iLEU user (or acceptor in the case of companies).

The most passionate users of iLEU will be invited to become iLEU Ambassadors, together with relevant city figures coming from business, education, social service and environmental protection organizations.

The title of iLEU Ambassador is honorary and sustained by a printed certificate of recognition for the ambassador’s role in co-creating the iLEU ecosystem.

iLEU Ambassadors will be acknowledged on SPIRE’s social media.

4.3. iLEU users

Everyone can use iLEU. Users just need a wallet that they can create using our mobile app.

3 types of users are envisaged. Citizens, companies, and the civil society. Depending on the user type, the application has different functionalities, in order to fulfill their role.

Private actors can decide rewards they grant on their own, out of the iLEU in their respective wallets. There is no restriction on using iLEU except for what is firmly stipulated in this whitepaper and the iLEU Terms of Use.

iLEU can be donated or transferred freely amongst iLEU users.
4.3.1. Citizens

Citizens create their accounts in the iLEU App. They can earn iLEU through environmental-friendly actions and behaviors. Earnings can be automatic (A) or awarded by third parties (M) – the city of Baia Mare or civil society organizations acting on its behalf.

iLEU can be obtained by using a bike or walking from home to work, or participating in actions

iLEU can also be obtained through:

- **Involvement inSPIRE Actions** = co-creation and co-design of the SPIRE Hub, participation in the SPIRE Hub activities, etc.
- **Performing civic actions** = volunteering.
4.3.2. Benefits for the local business and the community

Private companies and utility providers can become iLEU partners (acceptors and payment makers). They can sell their products or services and cash in iLEUs, according to the present document and the iLEU terms and conditions for companies, available on [www.spire.city](http://www.spire.city).

iLEU brings companies significant advantages in terms of customer share (due to the local specific), sales increase (by diversifying payment methods and being able to sell to iLEU users) cashflow (by combining the principles of direct compensation or supplier credit), and visibility (due to the co-creation of the iLEU business ecosystem).

Companies create their accounts in the iLEU App. They can also earn iLEUs through environmentally friendly actions and behaviors, or they can accept them as payment from their customers.

Start-ups using the SPIRE HUB and companies creating new, green and innovative products or services can be supported via iLEU, according to specific rules to be defined within the co-creation process.

Moreover, companies may use the iLEU to pay their suppliers, local taxes or make donations to their favorite local charity.

Companies can leverage on iLEU to provide discounts or vouchers for their customers, according to their own campaigns, as long as they comply with the iLEU terms of use described on the [www.spire.city](http://www.spire.city) website and in this whitepaper.
While creating their accounts, companies will provide their legal name, so that transactions and payments directed to them are traceable.

iLEU works both as a community binder and a cashflow support tool for entrepreneurs, startup communities, local businesses, etc.


Several concepts and models meant to solve local problems were integrated in the iLEU business model, to facilitate and support the creation of local value chains, „shop local” initiatives, circular economy models and customer discovery.

We invite local business owners to get involved in the co-creation of the iLEU ecosystem, by providing novel ideas and models.

Implementing iLEU for your business brings both financial and non-financial benefits. These benefits include an increased business visibility, new customers, support cashflow, help pay for local taxes or suppliers.

The level of the positive impact induced by these kind of reward systems on communities of reference is structural. The development of this exchange ecosystem driven economies provides a “financial lifesaver” in case of national or global crises. The benefits of switching to interest-free money and creating different and well-designed local monetary systems generates replicability on proximity territories, it scales up from the local to the metropolitan and regional dimensions. It consents to have more stable and safe local economies and decreases the gap between the rich and the poor.

- increased volume of money in the local community of reference,
- empowerment of the local market,
- creating conditions for replacing the import with local suppliers,
- relaunch of traditionally undervalued assets,
- enhancing local employment opportunities (especially for micro and small enterprises),
- promoting environmental protection (specific for the iLEU)
- strengthening of local socio-cultural and sporting events
- stabilization of the local economy with respect to global financial fluctuations

iLEU can be seen as a platform for community and business development. The platform enables trading goods and services locally.
Entrepreneurs can use the iLEU to reward their customers (and determine them to return) for purchasing different goods or types of goods (bio / organic for example), as they would use any other types of discount cards or vouchers.

Entrepreneurial creativity is encouraged and new, innovative ways to boost business using iLEU are desirable. Entrepreneurs developing eco-business in the SPIRE HUB will receive iLEU incentives (prizes, seed money, etc) that they can use to purchase supplies, pay for technical or business support, pay local taxes (property tax, urban planning, permits) or use municipality logistics (conference rooms, facilities, etc).

iLEU is meant to support local producers of bio-agriculture and companies leveraging on nature based solutions.

4.3.3. NGO’s

The civil society has not been forgotten in the iLEU ecosystem. They can both obtain iLEU as prizes for competitions, rewards for conducting environmental-friendly activities, supporting the city, entrepreneurs or the local community in greening their business or day-to-day life. Furthermore, NGO’s can receive iLEU donations and crowdfunding.

They can spend iLEU for payments to their suppliers, payments of local taxes, or transfers to volunteers.
4.3.4. The local administration

The City of Baia Mare is a facilitator of iLEU. It will put the system into place and make sure iLEU remains consistent with its initial purpose. The city’s main objective is to facilitate sustainable development, thus implement its sustainable development strategy. Through the usage of iLEU, several pillars of local development are consolidated:

<table>
<thead>
<tr>
<th>Smart Environment</th>
<th>Smart Economy</th>
<th>Improved mobility</th>
<th>Smart People</th>
<th>Governance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phitoremediation of polluted sites</td>
<td>Local value chains development</td>
<td>Reduced traffic thanks to alternative transport reward system</td>
<td>Education in Spire HUB</td>
<td>Increased community involvement</td>
</tr>
<tr>
<td>Pollution reduction through alternative mobility</td>
<td>Better tax collection using iLEU</td>
<td>iLEU payments for local transport</td>
<td>Healthier people due to bike usage</td>
<td>Participatory processes</td>
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<tr>
<td>Smart, natural building materials</td>
<td>Eco-entrepreneurship development</td>
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<td>Reward system for volunteering</td>
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<td>rewards for eco-friendly actions</td>
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<td>Co-creation of public spaces</td>
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5. HOW?

5.1. iLEU mining

Baia Mare has over 6 centuries of active mining for the most precious metals in the world: silver and gold. The collective memory still recalls mining as hard, risky and highly rewarding work, as the Baia Mare Mint has known its golden age since the early 1400, up to the late 1800, when pressing coin for the Habsburgs and Hungarian Empires. iLEU mining is just as important as it is difficult.  

iLEU is based on blockchain, and requires modern, cryptographic mining in order to validate transactions. However, iLEU mining is not conducted in the „traditional” way (solving cryptographic challenges and validating blocks for a reward), but through eco-friendly action.

5.2. iLEU value

iLEU’s value resides in building bridges between local actors, creating trust and rewarding civic actions.

iLEU has a fixed value of 1 iLEU = 1 leu (Romanian). All acceptants of iLEU will use it accordingly.

iLEU is not an official currency, a local currency or an electronic currency. iLEU is a reward system and an enhancer of the local economy in the Baia Mare city and Metropolitan Area.

iLEU cannot be purchased, sold for or directly transformed in real money. It can only be used for the purchase of goods, services, or payment towards the Baia Mare Municipality, at the exchange rate defined by this document.

The Baia Mare Municipality has the right, without prior notice, to modify in any way the fixed value for the iLEU. The modification enters into force 30 days after the day of publication of the updated version of this whitepaper.

iLEU works like a cryptocurrency. However, mining it will not produce more iLEU, and will not be rewarded in any way. Crypto mining, on a global scale was proven to be a huge energy consumer and thus generator of climate change. SPIRE is an Urban Innovative Action aiming at reducing the city’s environmental impact and reducing the city’s carbon footprint. Thereby, we cannot support actions that have negative impact on the environment. Mining has the sole purpose of validating transactions between participants.

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2 Mint-master: Bartolomeu Drágfi de Beltiug (Bertalan Drágffy de Béltek) - 1 oct 2013 (original upload date) by Nightsturm including original description., Domeniu public, https://commons.wikimedia.org/w/index.php?curid=28791029
5.3. **iLEU payments**

Every user (company, public or private actor) has a wallet identified by an address (a public cryptographic key). This address is presented as a QR code, for readability and usability purposes.

iLEU can be used as a commodity to pay for any goods or services. However, as a living organism, it is dependent on the actors accepting it. The list of accepting parties is constantly updated on [www.spire.city](http://www.spire.city).

The city of Baia Mare will accept iLEU for the following taxes:

- Local Property Tax, starting 01.09.2020
- Urban planning permits and building permits starting 01.09.2020
- Parking tax starting 10.09.2020
- Heavy transport tax starting 10.09.2020

URBIS (the local transport company) will accept iLEU payments for tickets starting 01.09.2020.
6. WHAT?

6.1. iLEU technology

The iLEU technology is highly similar to bitcoin. However, the iLEU Blockchain has no inflation and no transaction fees. There is no mining for rewards. Initially, the network relies on trusted Miners, to ensure that only valid transactions are added to blocks. The network will initially be supported by 4 validator nodes, and aims at increasing the number.

From the technical standpoint, an iLEU is a chain of cryptographic signatures, where every user transfers value to another user by signing a transaction using its private key (cryptographic). Pre-approved validators (miners) validate all transactions automatically, to prevent double spending and false transactions.

6.2. iLEU ICO

iLEU works on the principles of cryptocurrencies. Thereby, the maximum number of iLEUs in circulation is initially set to 20,000,000, to prevent inflation and increase stability. However, only 1,400,000 iLEU will be put into circulation during the initial year of SPIRE, to increase its velocity (speed of circulation). The decision of entering more iLEU in circulation belongs to the City of Baia Mare.

All iLEUs are available into the city’s wallet and can be used by the city according to this document and in the SPIRE project spirit and view.
Summarizing, the iLEU was inspired by most successful, worldwide, past experiences in terms of reward systems, local currencies, cryptocurrencies, so that it provides the mechanisms for community involvement in environmental friendly actions, participatory co-creation of public space, co-design of the SPIRE Hub and redesign of the Baia Mare business ecosystem. Its main qualities are trust, transparency, user friendliness, dynamics, and transformational opportunities. It is designed as a community enhancer and urban transformational tool.
7. **NEXT STEPS**

iLEU’s relevance is bound to the number of acceptors. Acceptors will be rewarded both through intrinsic and extrinsic means.

Getting users on board is conducted by a three-fold strategy. On one side, getting accepting parties on board is the main challenge, considering the pandemic-generated crisis. Initial acceptors of iLEU to be involved are:

<table>
<thead>
<tr>
<th>Baia Mare Municipality</th>
<th>Max amount</th>
<th>Special bonus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building and vehicle tax</td>
<td>Up to full amount</td>
<td></td>
</tr>
<tr>
<td>Parking pass (monthly, yearly)</td>
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<td></td>
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<tr>
<td>Heavy traffic</td>
<td></td>
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<tr>
<td>Urban Planning certificates</td>
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<td>Fines</td>
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<td>Functioning permit for companies</td>
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<td>Garbage tax</td>
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<td><strong>Service providers</strong></td>
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<td>SPAU – Children’s park train</td>
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<td>URBIS – buss transport tickets and passes</td>
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<td>Museums</td>
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<td>Baia Mare theatre</td>
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<td><strong>Private operators</strong></td>
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<td>Coffeeshops</td>
<td>iLEU partners will accept at least 25% of each bill payed in iLEU</td>
<td>Can use iLEU as vouchers for their users</td>
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<tr>
<td>Restaurants</td>
<td>iLEU partners will accept at least 25% of each bill payed in iLEU</td>
<td>Can use iLEU as vouchers for their users</td>
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<td>Other goods and service providers</td>
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Second, getting iLEU into the market is done by rewarding desirable actions, such as alternative mobility, participation in SPIRE Hub events, plantathons and competitions:

| Bike to work                                               | 1 iLEU / trip     | Only from home to work and back, at least 1,5 km, top speed 30 km/h, max. 2 trips/day |
| Walk to work                                               | 1,5 iLEU / trip   | Only from home to work and back, at least 1 km, top speed 15 km/h, max. 2 trips/day |
| Participation in SPIRE Hub events                          | 5-10 iLEU / event |                                                   |
| Plantathon prizes                                          | 500 ileu first prize 200 ileu 2nd prize 100 ileu 3rd prize |                                                   |
| Other events                                               | To be decided by Baia Mare city |                                                   |

The third, and most difficult is the transformation of iLEU into innovation and environmental vouchers, supporting entrepreneurs develop green business and processes, as well as use renewable energy and materials. Implementing cradle-to-cradle policies for their products or supporting environmental regeneration. For natural persons, this step coincides to vouchers for green business, selective garbage collection, energetic home enhancements, usage of ecologic materials for building, etc.
8. GLOSSARY

ICO – **Initial Coin Offering** is a method of fundraising using cryptocurrencies or a method to increase the initial number of users through a reward system.

SIB – **Social Impact Bonds** is a specific method of pay-for-success financing or outcome-based contracting aiming to develop partnerships amongst local stakeholders such as NGO, investors, entrepreneurs, citizens, in order to solve a societal problem using an entrepreneurial approach.

**Well** - **WELL** blockchain and app allow its users generate cryptocurrency through proof of “walk” and other wellness behaviour. All that is required is a smart phone with an internal step counter and commitment to be healthy by walking. Users earn cryptocurrency by walking, biking and other activities. Additionally, users can connect various devices to the app.

**DOVU** - A unified token, wallet and marketplace for earning and spending mobility related rewards.

**SARDEX** - **Sardex** is a regional business-to-business (B2B). In this project are involve several thousand small and medium-sized business on the Italian island of Sardinia so, the main objective is very simple, to give the opportunity to participate in a system of mutual credit and do business with other local companies.