

"Innovation Districts, Blockchain and City Coins"

Blockchain (BC) as a General Purpose Technology can protect innovators while incentivizing innovation¹. BC can help with patent registry and publication, but, beyond that, it can provide overall transparency and accountability to transactions in an Innovation District (ID)².

Crypto Currencies can foster markets of holistic values within the perimeters of such districts.

Special DAO, or Decentralized Autonomous Organizations, can help run ID by encoding their operational rules in Smart Contracts to improve efficacy and governance.

Seratio Coins are a new Crypto Currency to facilitate exchange of tangible and non-tangible values with measurable social impact. They are based on Seratio³, the Social Earnings Ratio developed by CCEG, Center for Citizenship, Enterprise and Governance, to help comply with UK's Public Services (Social Value) Act 2012⁴ that "require public authorities to have regard to social, economic and environmental well-being in connection with public service contracts".

City Coins (CC) can facilitate the exchange of these social earnings within the confines of public and private space of a particular Place. Developed jointly by DigitalCivix and CCEG, CC can help create an inner economy of values pertinent to achieve the goals of each ID, and become relevant instruments for their "Place Management" operation.

As a complement to traditional measurement of the three main assets of an **Innovation District: Physical, Economical and Networking**⁵, CC can measure, capture and trade values of key interactions between these three assets.

My first suggestion is to consider the values of **Proximity, Innovation Revenue**, and **Connectivity** in a crypto-currency-based exchange of risks and rewards to induce ID Goals⁶:

- To facilitate idea generation and accelerate commercialization,
- To co-invent and co-produce new discoveries for the market,
- To expand equal employment and educational opportunities,
- To promote compact, inclusive, integrated and connected urban environments⁷.

CC can link location, revenue and connectivity capital into a medium of payment, a unit of measurement, a standard and a store of value⁸, to capture, translate, transact, and report interactions between ID subcomponents⁹: Innovation drivers, Innovation cultivators, Neighborhood-building amenities; Physical assets in the public and private realm, Physical assets that knit ID together and/or tie it to the broader metropolis; Networking assets that build strong ties within similar fields, and weak ties that build new relationships of knowledge.

New funding opportunities and financial instruments can emerge from this exchange. Let this Concept Note be the beginning of a collaboration to explore them together.

¹ Boucher, P. (2017). How Blockchain Technology could change our lives. EPRS, European Parliamentary Research Service, PE 581.948, STOA, Brussels. pags. 10-11

² Katz, B., Wagner, J. (2014). The Rise of Innovation Districts: A New Geography of Innovation in America. Metropolitan Policy Program. Brookings. Washington.

³ Taghiyeva, M., Abdu, S., Melish, B., Ta'eed, O. (2017) IMPACTING WITH VALUE: Capture-Translate-Transact-Report *Proof-of-Impact Transaction Platform*. Seratio Blockchain White Paper 3.05, Center for Citizenship, Enterprise and Governance, Northampton University, UK

⁴ Public Services (Social Value) Act 2012, last downloaded July 23, 2017 at <http://www.legislation.gov.uk/ukpga/2012/3/enacted>

⁵ Katz, B., Wagner, J., op.cit. pag 3

⁶ Ibid. pag 2

⁷ UN-Habitat (2016), New Urban Agenda

⁸ Historic Rhyme of William Stanley: "Money is a matter of function Four: a medium, a measure, a standart, a store"

⁹ Katz, B., Wagner, J., op.cit. pags. 4-8