What Features Should Have a Cryptocurrency to Promote Sustainable Development?

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Why Do We Need a CryptoCurrency to Promote Sustainable Development?
- Do Not Depend of Current Financial System (which is Unsustainable)

- Take Advantage of the Fast Transition Period to Other Types of Money
We Are Living in a Fast Transition Period to New Types of Money

Central Banks

Other Banks (Commercial, Investment, Shadow Banks)

Criptocurrencies such as,

Bitcoin, Ethereum, SolarCoin, Others

Obsolete Models

Models in Evolution
Evolution of the International Monetary Systems (IMS)

1900 - 1950 - 2000 - 2008

- 1944: Bretton Woods
- 1973: Dollar Standard
- 2016: Hybrid IMS

1 oz = US$ 35

Dollar Pegged to Gold at Fixed Exchange Rate
Dollar Backed with Anything. Financed with Credit
Bitcoin

Source: Paiva Sobrinho et al. (submitted) Towards an hybrid international monetary system: a path to solve socioecological problems.
Some Facts
Japanese Banking Giant Reveals Plans for a Digital Currency

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Altcoin News, Bitcoin Technology, FinTech News, News
Blockchain Tech Will Make Banks Disappear in 10 Years, Says VP of Russia’s Biggest Bank

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Bitcoin Technology, Blockchain News, News
Virtual currencies and their underlying technologies can provide faster and cheaper financial services, and can become a powerful tool for deepening financial inclusion in the developing world. The challenge will be how to reap all these benefits and at the same time prevent illegal uses.

Christine Lagarde, the director of the International Monetary Fund (IMF)
“This bill requires the state treasurer, in consultation with the commissioner of the department of revenue administration and the commissioner of the department of administrative services, to develop an implementation plan for the state to accept bitcoin as payment for taxes and fees.”

Japan eyes treating bitcoins the same as real money
Gov. Brown signs bills legalizing Bitcoins use, other legislation
Obsolete Laws Are Being Repealed.

Assembly Bill No. 129

CHAPTER 74

An act to repeal Section 107 of the Corporations Code, relating to business associations.

[Approved by Governor June 28, 2014. Filed with Secretary of State June 28, 2014.]

LEGISLATIVE COUNSEL’S DIGEST

AB 129, Dickinson. Lawful money. Existing law prohibits a corporation, flexible purpose corporation, association, or individual from issuing or putting in circulation, as money, anything but the lawful money of the United States. This bill would repeal that provision.

The people of the State of California do enact as follows:

SECTION 1. Section 107 of the Corporations Code is repealed.

http://www.leginfo.ca.gov/pub/13-14/bill/asm/ab_0101-0150/ab_129_bill_20140628_chaptered.htm
To Benefit Ourselves of This Fast Transition Period We Need an Unbiased Definition of Money
What Is Fruit? (Biased definition)

“Fruit Today Is a Type of Banana”

“There Are Three Main Types of Fruit: Apple Banana, Cavendish Banana, Cooking Banana”

This definition favors the banana farmers.
What Is Money (Biased Definition)

“Money Today Is a Type of IOU (I Owe You)”

“There are three main types of money: currency, bank deposits and central bank reserves”


This definition favors the current obsolete financial system and its participants.
What Is Money? (Unbiased Definition)

“Money is an agreement made by a community to use a standardized item that serves, at least, as medium of exchange”

What Is a CryptoCurrency?

It is a Type of Money Created Making Use of Cryptographic and Other Sciences
Cryptographic Hash Function

- **Input**: ‘String’ any size
- **H( )**: Cryptographic Hash Function SHA256
- **Digest**: 256 bit
Hash Pointers

It is a Pointer to Where Some Information Is Stored Together with a Cryptographic Hash of the Information.

Blockchain = Paparazzi
How Bitcoin Is Created?

When Someone Solve a Crypto-Math Puzzle

1 Bitcoin =~ USD 700 dollars
What About to Have a Cryptocurrency Similar to the Oxygen?

Oxygen Is:

- Vital to Us
- Abundant (Except in High Altitudes)
- Created in a Decentralized Way
- Accessible to All of Us
How a Cryptocurrency Unit to Promote Sustainable Development Should Be Created?

When Someone Make an Action that Is Verifiable and Helps to Achieve Sustainable Development Objectives

Local, Regional, National, International Scale
Cryptocurrency to Promote SD Should Promote Group Actions
Peer to Peer Pressure
Consensus Protocol

Hybrid

Proof of Work (PoW)

Proof of Stake (PoS)

Other
Expiration Date  (Negative Interest Rate)

• Promote the Circulation of the Currency in the System
Re-Issuance of the Cryptocurrency in the Next Period

- Year After Year Currency Will Be Re-Created (Write the Code)
Thanks!

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