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SUSTAINABLE AGRIBUSINESS FROM SPACE

Abstract

SUSTAINABLE AGRIBUSINESS FROM SPACE.

SUMMARY Sustainability has been a tireless search for science to achieve the non-exhaustion of natural resources for the future. While the financial factor is also essential for the health and maintenance of economic development. And space technology and blockchain technology have brought the two factors together so that everything becomes possible.

Keywords: Space technology; Blockchain; Sustainability; Business model; Agribusiness.

Agribusiness is a global business network that generates five trillion dollars a year and still finds ways to expand. The question is how to guarantee this exponential and inevitable growth in a sustainable way and without losing profitability. Food is a basic need for human beings and also a means of obtaining wealth. This work presents space technology and blockchain technology as solutions for tackling the issue of food security in an extremely profitable and at the same time sustainable business proposal. Satellite data technology has become an increasingly important source of information for farmers. Using data, you can have a broad view land scale, from uniform fertilization management to monitoring livestock and economical use of water, for example. Space data has empowered the agriculture sector, ensuring the adoption of best practices, preservation of the environment, increased production efficiency, quality of products, reducing the number of intermediaries and waste. It's precision agriculture.

It also makes it easier for small to large producers to maintain the agroecological system. The Effatha technology, which is based on the transmission of vibrational frequencies through a satellite, is another space technology tool for the benefit of agribusiness.

Another way of using space technology is to satellite communication. Including machine-to-machine communication. And also the recording of information and contracts by blockchain technology. And asset tokenization.