Sara Triachini

KEY-WORDS:
SUSTAINABILITY · COFFEE VALUE CHAIN · BLOCKCHAIN

PROFILE
I am a second-year PhD student with a background in Food Safety and Food Risk Management. Currently, my main fields of research include sustainability and blockchain application in coffee value chain.

AFFILIATION
Department of Food Science and Technology for a Sustainable Food Supply Chain (DiSTAS)
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LANGUAGES

Mother language

Level B2

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PROJECT TITLE
Innovative food BLOCKchainS for the sustainable Italian food production (FOODBLOCKS)

Steps of the research
- Preliminary investigation of voluntary sustainability standards, multi-stakeholder initiatives and corporate accountability throughout the coffee chain.
- Focus on the specific sustainability choices made by Italian roasters: submission of a questionnaire to assess industries' commitment to corporate sustainability and accountability when purchasing coffee.
- Blockchain implementation by coffee roasting companies: potentialities and difficulties related to the adoption of this technology.
- Evaluation of blockchain technology as a reliable tool to guarantee traceability, transparency and food safety and to prove roasting companies' commitment to sustainability.

Main Results
- Best sustainability choices to be adopted by coffee roasters, which have an impact on the entire coffee chain.
- Potentialities of blockchain technology as an instrument to gurantee traceability and transparency of the coffee chain and to communicate coffee sustainability to consumers.

Research Contribution
This research has the objective of providing information to coffee roasting companies about policies, documents, initiatives and technologies (such as blockchain) they should adopt to positively influence the sustainability of the coffee value chain.

Why should you care?
Five traders handle 50% of green coffee export production and the first 10 companies for volume and revenue roast 35% of the world's coffee. All of them have publicly committed themselves to reduce their negative social and environmental impact, but producers in their 12.5 million farms continue to deal with many sustainability challenges. How can roasters act responsibly towards the community in which they operate and the community in which coffee is produced?