

Blockchain for humanitarian aid

RESEARCH QUESTION

What are the implications and challenges of blockchain-based Self- Sovereign Identity for humanitarian aid?

PROBLEM

**1.1 billion
unidentified persons**

No access to health care and financial services

Imprecise and ineffective aid distribution

Significant obstacle for asylum-seeking process

Increased vulnerability to human trafficking

PROPOSED SOLUTION

**Self Sovereign
Identity**

CHARACTERISTICS

Decentralized

Universally trusted

Portable

Permanent

WHY BLOCKCHAIN?

Peer-to-peer record-keeping

Cryptographic protection

Immutable and permanent

RESULTS BASED ON CASE STUDIES



Highly reduced number of unidentified refugees (*Building Blocks project*)

Efficient cash and food distribution to refugees

(*AID: Tech and Building Blocks projects*)

Supported by supranational institutions and aid networks (*ID2020 initiative*)



Sensitive data can be used for political persecution

Negative correlation between decentralisation and reliability

Experimental technology use on vulnerable populations is morally dubious

Legal difficulties in creating a universally accepted identity

SOURCES

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