

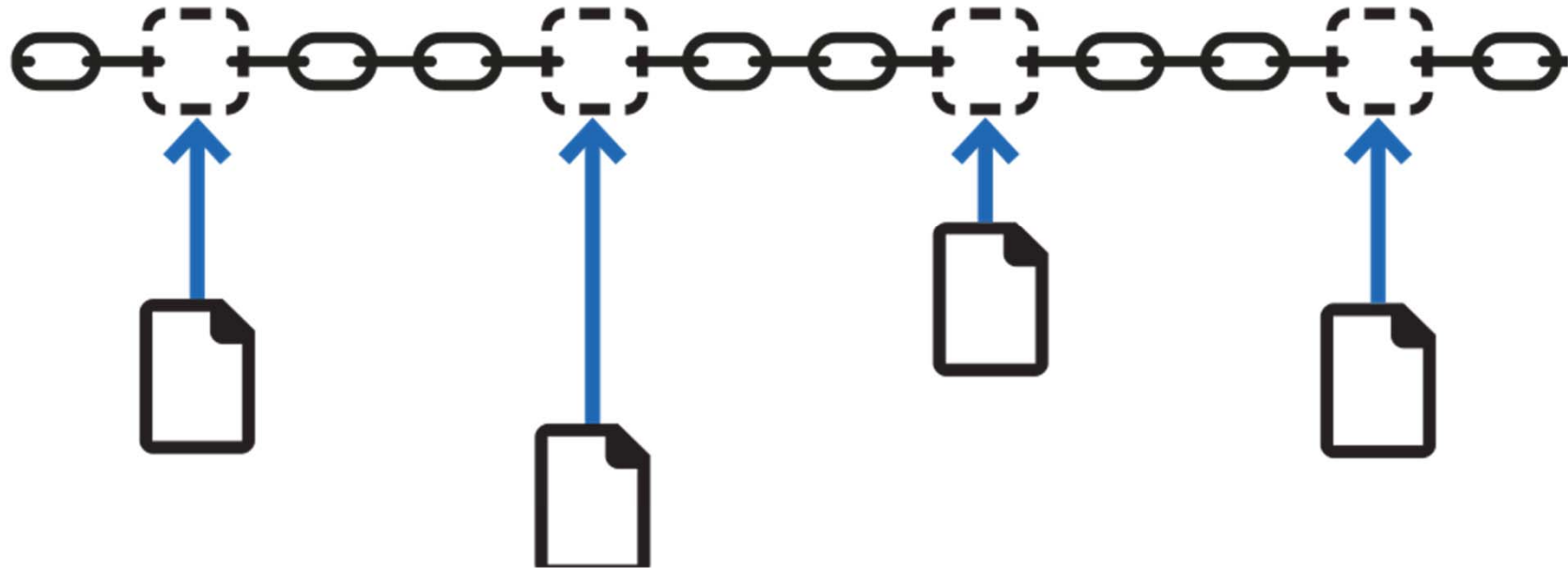


Blockchain and humanitarian assistance

Outline of the presentation

1. What is blockchain?
2. The IFRC and blockchain
3. What are the opportunities?
4. Key considerations





What is blockchain?

“An **immutable** digital ledger system implemented in a **distributed** fashion (i.e. without a central repository) and usually without a central authority.”
NIST, US Department of Commerce

The IFRC and blockchain

COMPLETED

- Cash transfer project for Syrian Refugees
 - Irish Red Cross led
 - Completed in 2015
- Kenya Red Cross Blockchain Open Loop Cash Transfer
 - 6 months grant from the Norwegian Red Cross / Innovation Norway
 - Components: data management, mobile money, blockchain



The IFRC and blockchain

UNDER DEVELOPMENT

- Norwegian Red Cross – Digital Identity and Cash Transfer Programming
- Netherlands Red Cross – 121 donations platform, research partnerships
- Australian Red Cross – digital identity for staff and volunteers
- American Red Cross – digital identity for staff and volunteers



What ARE the OPPORTUNITIES?

- **Increased accountability / auditability**
 - Immutable and traceable
- **Distributed reporting system**
 - Decentralized, co-owned / administered
- **Digital Identity**
 - Decentralized credential exchange
 - Secure, portable, user-managed
 - Multiple use-cases



KEY CONSIDERATIONS

- ✓ Intellectual property
 - ✓ Data privacy
 - ✓ Contextualization of solutions
 - ✓ Modular approach
- I.e. its not all about blockchain

