



Global Disaster Preparedness Center

Kalpa

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Agenda

1. Goals
2. Why Smares?
3. Solution
4. Deployment plan
5. Legal framework

1. Goals

Shortening response time to provide organized help depending on the disaster levels

2. Why Smares?

Shorten time & increase transparency

Provide organized help

Save more people

3. Solution

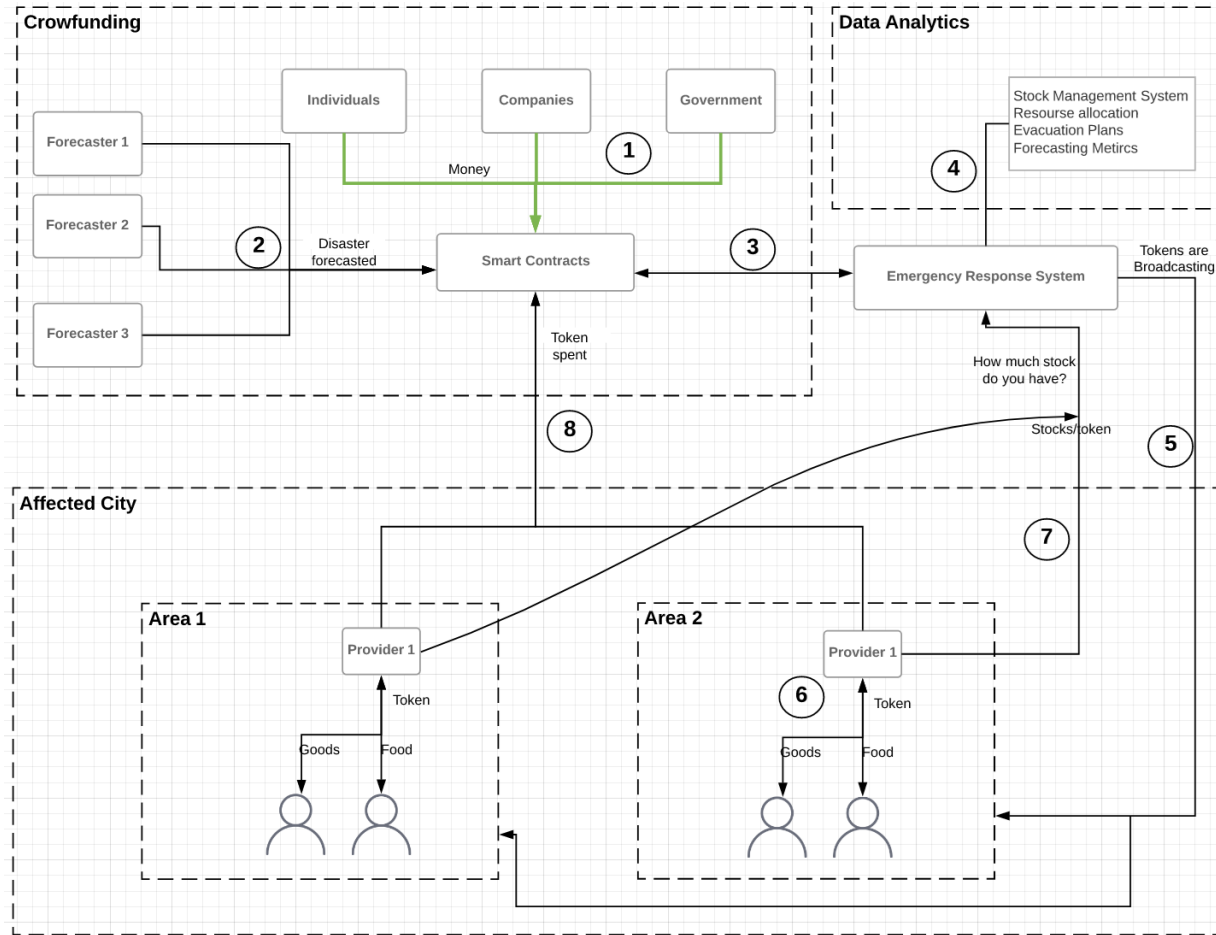


Figure 1. Smares System

4. Deployment plan

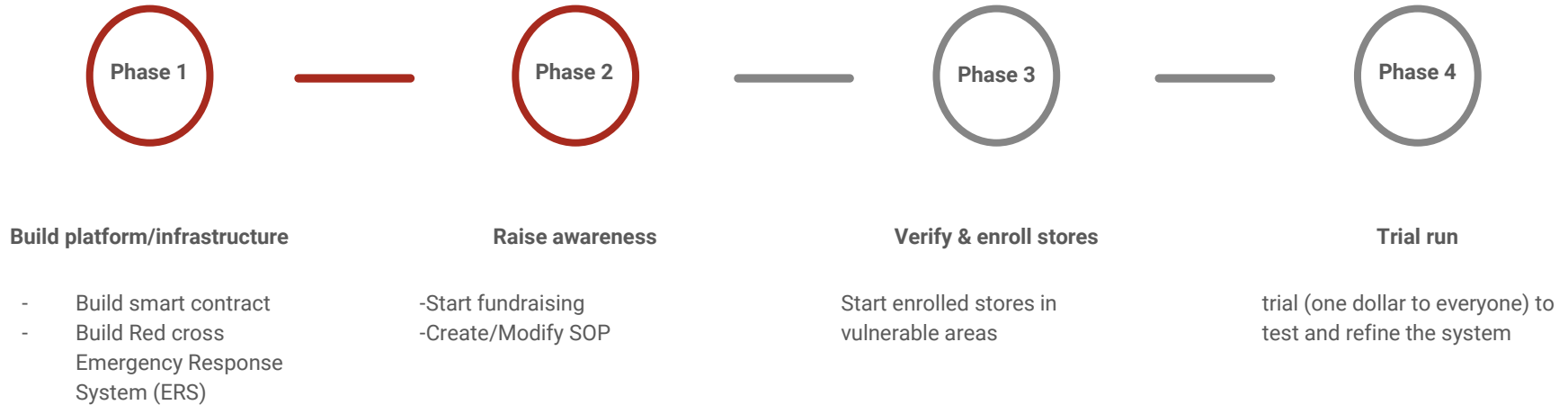


Figure 2. Deployment plan with multiple phases

5. Legal framework

Problem

- General Data Protection Law protects EU citizens data
- effective on 2018, May 25
- companies have to follow data privacy rules
- EU framework is hard to apply to Blockchain technology



Our Solution

- Use of off-chain storage for personal data
- The split in data architecture allows personal data to be referenced in a Blockchain but not seen or accessed without access to the off-chain database

Appendix 1. Token Flow

- Represent buying power of certain products/goods on specific stores.
- Tokens are created and broadcasted to people some days before the disaster
- Tokens are activated and valid once the disaster happens.
- A token could be:
 - Code received on your phone
 - National ID
 - Face Recognition
 - Fingerprints