# Challenge 2: Identity and Consent Management

**Develop tools and techniques that facilitate the effective and efficient delivery of humanitarian aid, in accord with the European Union’s General Data Protection Regulation (GPDR) on digital identity and data management.**

*Descriptive Vignette:*

A non-governmental organization is planning to distribute disaster aid in the form of cash to a local population experiencing famine and malnutrition. Prior cash distributions have been problematic because specific individuals are hoarding cash distributions by repeatedly requesting aid (double and triple dipping), leaving others with none.

This organization is looking for lightweight mechanisms to deliver aid to anonymous recipients, while being able to verify the number of distributions that each recipient received and to prohibit double dipping.

# Potential Applications

* Facilitating faster and cheaper international payments
* Providing a secure digital infrastructure for verifying identity

# Conceptual Design

Develop a conceptual design to demonstrate use blockchain technology for providing financing before the event occurs and other potential applications.

The conceptual design should include an outline or sketch of a realistic approach to deployment and stable operation of the identity system, including a:

* Business model
* Legal framework
* Technology architecture
* Deployment plan

# Criteria and Judging

Teams are expected to:

* Pitch their project idea at hackathon through a 5 minute and develop 2 minutes video clip uploaded to YouTube under Creative Commons license.
* Provide their final project materials (including any slides, video and other media, documentation, working code, etc) through a GitHub <https://github.com/mitmedialab/MIT-Humanitarian-Hack> repository under an open source license.

Judging criteria will include:

* Technical merit – addressing concerns of commercial application of the technology (e.g., privacy, security, identity, scalability, and interoperability);
* Benefits/improvements relative to humanitarian aid response to crises
* Ability to apply the system within the [United Nation’s Sustainable Development Goals](http://www.un.org/sustainabledevelopment/sustainable-development-goals/).

Context Reference Links:

### [Home Page of EU GDPR](https://www.eugdpr.org/)

### [Consent management under the GDPR - EU GDPR Compliant](https://eugdprcompliant.com/consent-management/)

### [Open Data Institute: The ODI](https://theodi.org/)

### [Asilomar AI Principles - Future of Life Institute](https://futureoflife.org/ai-principles/)

### [Open Government - Data.gov](https://www.data.gov/open-gov/)