

## **Better Futures+ Internships**

### **IntelliDigest Ltd**

#### **About the company**

*We are a UK biotechnology company specialising in food sustainability. We draw on our innovative research development and consulting capabilities to address the sustainability challenges faced by food producers, processors, manufacturers, retailers, consumers, and governments, globally.*

#### **About the role**

Blockchain-based marketplace for sustainable chemicals from ID Box.

Principal Goal: Completion and launch of a blockchain enabled eCommerce platform and linking it with the iDigest unit for data collection, processing, storage and visualisation using GIS.

Description: In this project we will be finalising and launching a blockchain enabled eCommerce platform for trading sustainable chemicals with businesses that can use it in their processes. The blockchain platform will have the ability to record and enable participants to record and trade the following type of data.

- a. Information on the sustainable chemical composition which will be provided by "iDigest", a nature inspired robot that enhances the recovery of sustainable chemicals from inedible food waste in the form of Bio-nutrient and Bio-stimulants to be used back in the food system. The device and the API details will be provided by IntelliDigest.
- b. Carbon savings achieved by the businesses/households from converting the inedible food waste to useful sustainable chemicals.
- c. Carbon savings by the AgriFood businesses for purchasing the Bio-nutrients and Bio-stimulants from processed inedible food waste rather than from growing industrial crops or fossil fuel.
- d. Geovisualisation of iDigest activities and carbon savings only by those engaged in the transactions and authorised personnel e.g. UK Government.

Completion Criteria: 1. Completion and launch of the blockchain enabled eCommerce platform. 2. Demonstration scenario by connecting the eCommerce platform to iDigest unit.

#### **About the intern**

An understanding of hardware and Software interfacing for data, collection, processing, storage and visualisation using GIS will be essential. Knowledge of e-commerce software/Blockchain development will be critical. A keen interest in circular economy/resource efficiency as well as communication skill will be desirable.

**Length of internship:** We will propose an internship for initial 4 months which may be extended for another 2 months depending on the funding availability and performance.

**Remuneration:** London Living Wage (£10.75 per hour)

**To apply:** please email [h.flower@imperial.ac.uk](mailto:h.flower@imperial.ac.uk) and Ifeyinwa.Kanu@IntelliDigest.com