

# STFC FN+ COP26 Hackathon



## Event Handbook

This handbook contains all the necessary information for participants of the event. If you have any queries about the materials provided or find a problem, please email [stfcfoodnetwork@sheffield.ac.uk](mailto:stfcfoodnetwork@sheffield.ac.uk)

## 1. The Challenge

Through our partnerships with UKRI STFC, STFC Hartree Centre, IBM Research, and the <https://csa-india.org/> we have identified a need to provide smallholder farmers with timely and location-specific advice about the crop types and varieties they should grow. Our challenge for the hackathon is to bring together hugely varied datasets - from market price data to soil maps - to design an integrated **open access** platform for recommending crop type, planting date and management advice for smallholder farmers in India.

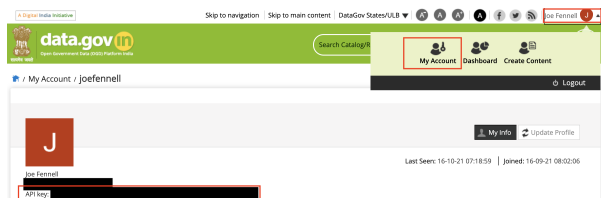
## 2. Pre-event activities

### 2.1. Register with Open Government Data Platform India

This data service is part of the Indian Open Government Data initiative and provides a large number of datasets across multiple sectors. It is important to register for an account as you will need an API Key to access the database.

<https://auth.mygov.in/user/register?destination=oauth2/register/datagovindia>

### 2.2. Check you can access your API key



### 2.3. Get a Google Account and register for Google Earth Engine [optional]

Google Earth Engine allows you to access and process different geospatial datasets. The service is free with a limit on the amount of processing you can request.

<https://earthengine.google.com/>

## 3. Participation and Agenda

Please make a note of the times of the two mandatory sessions: 10:00 - 11:00 GMT on Tuesday 2nd November and 14:15 - 16:15 GMT on Friday 5th November.

### Tuesday 2nd November

10:00-10:30 GMT	Welcome and Introduction	Professor Sonal Choudhury
10:30-11:00 GMT	Q&A: Technical/Practical Advice	Dr Joe Fennell

### Friday 5th November

14:00 GMT	Deadline for slide submission	send to <a href="mailto:stfcfoodnetwork@sheffield.ac.uk">stfcfoodnetwork@sheffield.ac.uk</a>
14:15-15:30 GMT	Team pitch	
15:30-16:00 GMT	Judging (offline)	
16:00 - 16:15 GMT	Award	