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

1. The Challenge

Through our partnerships with UKRI STFC, STFC Hartree Centre, IBM Research, and the Centre for Sustainable Agriculture 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.
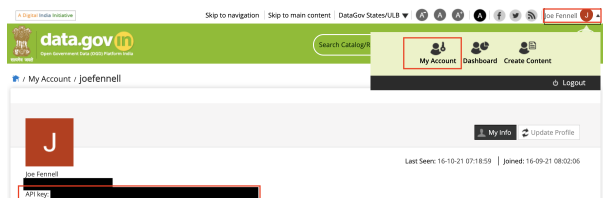
2. Pre-event activities

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.

Click Here To Register

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.

Click Here To Register

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 stfcfoodnetwork@sheffield.ac.uk
14:15-15:30 GMT	Team pitch	
15:30-16:00 GMT	Judging (offline)	
16:00 - 16:15 GMT	Award	