

Agroecological futures modelling Research Internship at the Future Places Centre, School of Computing and Communications, Lancaster University

The Future Places Centre is looking for an intern to help design visual representations of datasets about alternative agro-ecological futures. The internship will be for up to ten weeks, and salaried at a rate appropriate for the selected candidate's skills and experience.

The main tasks of the internship will be:

- To work with a group of expert stakeholders to co-develop a methodology for translating the 'Ten Years to Agroecology (TYFA)' model used at European (<https://www.iddri.org/en/project/ten-years-agroecology-europe>) and British (<https://ffcc.co.uk/news-and-press/farmingforchange>) regional scales to a county scale.
- With the expert group's support work with various national datasets (including but not limited to datasets provided by the UK Government's DEFRA and The Centre for Ecology and Hydrology) to create a Lancashire scale model adapted from the TYFA approach. This model will generate a dataset showing potential changes in land-use linked to food production, nature recovery and climate mitigation;
- To develop visual rendering of this model dataset and explore ways of rendering the same data for different user groups - eg farmers, food producers, food retailers, food-based community groups;
- And to evaluate and document the visual designs with recommendations for possible future iterations.

In summary, the intern will need to understand land use data and how this maps on to existing food-production potential data, and provide visualisation of enabled data analyses that easily communicate the information to a range of people.

It is important to note that the intern will be working with mapping software (eg ArcGIS), so some ability with this kind of software will be essential. Their work will be also used by a local charity and is therefore not purely academic, but practical.

The internship will require in-person meetings on Lancaster University campus, though not continuous presence on campus.

Applicants are welcome to contact the FPC and in particular Jan Hollinshead and/or Richard Harper (j.hollinshead1@lancaster.ac.uk; r.harper@lancaster.ac.uk). Written applications should include a letter of application, a short CV, and the contact details of two references. Deadline for closure of applications will be 6pm, February 14th.

