# Person Specification

This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

| | |
|---|---|
| **Job title:** Research Officer (Nonlinear systems and climate modelling) | |

| | |
|---|---|
| **Department/Division:**<br>**Accountable to:** | Grantham Research Institute on Climate Change and the Environment<br>Professor David Stainforth |

| Competency | Criteria | E/D |
|---|---|---|
| **Knowledge and Experience** | PhD by the post start date, or equivalent level of expertise in nonlinear dynamical systems, climate or environmental modelling, mathematics, climate physics, climate impacts or a related or relevant field. | E |
| | Knowledge and experience in one or more of the following areas relevant to the project: climate or environmental modelling, analysis of nonlinear dynamical systems, meteorological modelling, uncertainty quantification, climate predictions, climate impact predictions, climate data processing, or a related quantitative field. | E |
| | Good computational skills including use of advanced data analysis software (e.g. R, Matlab, IDL). | E |
| | Experience of basic numerical analysis and associated coding techniques. | D |
| | Familiarity with low-dimensional chaotic and nonlinear systems and/or the production or use of climate change information for impact assessments or other applications. | D |
| | Experience of writing good quality publications for well-recognised peer reviewed outlets. | D |
| | Ability to conduct independent research. | E |

| Communication | Ability to communicate complex ideas and technical issues within an interdisciplinary team. | E |
| | Ability to communicate complex ideas and technical issues to non-technical audiences. | D |
| | Good communication skills with the ability to communicate with internal colleagues, collaborating institutions and external bodies. | D |
| **Investigation, analysis and research** | Ability to analyse and research complex ideas, concepts or theories. | E |
| **Planning and organisation** | Ability to take a significant role in pursuing the activities and objectives of the research project. | E |
| | Ability to achieve good time and workload management, including setting priorities and committing to delivery within deadlines. | E |
| **Teamwork and motivation** | Ability to work as part of a collaborative research team within the Grantham Research Institute and across external research groups within the project. | E |
| | Ability to take responsibility for, and work independently on, specific project tasks, consulting and reporting to colleagues appropriately. | E |
| | Willingness to travel within the United Kingdom and beyond to attend workshops and conferences. | D |

**E – Essential: requirements without which the job could not be done.**
**D – Desirable: requirements that would enable the candidate to perform the job well.**