# Information required by NERC for Je-S reporting

*Please fill in the form below with information related to the following student’s research.*

|  |  |
| --- | --- |
| Student Name |  |

## Science Area

**Assign % relevance (in multiples of 5) to one or more areas, totalling 100%**

|  |  |
| --- | --- |
| Atmospheric |  |
| Earth |  |
| Freshwater |  |
| Marine |  |
| Terrestrial |  |
| **Total** | **100%** |

## ENRIs (Environmental & Natural Resource Issues)

**Assign % relevance (in multiples of 5) to one or more ENRI's, totalling 100%**

|  |  |
| --- | --- |
| Biodiversity |  |
| Environmental Risks and Hazards |  |
| Global Change |  |
| Natural Resource Management |  |
| Pollution and Waste |  |
| Total | **100%** |

## Research Areas

**Select up to 5 of the second-level NERC Research Areas, and associate a %age to each such that the total sums to 100% (do not assign percentages less than 10).**

*Click on the arrow of each NERC Research Areas below to make the second-level research areas appear.*

### Agri-environmental Science

|  |  |
| --- | --- |
| Agricultural systems |  |
| Crop protection |  |
| Crop science |  |
| Earth and environmental |  |
| Soil science |  |

### Archaeology

|  |  |
| --- | --- |
| Landscape & Environmental Archaeology |  |
| Maritime Archaeology |  |
| Palaeobiology |  |
| Quaternary Science |  |

### Atmospheric physics and chemistry

|  |  |
| --- | --- |
| Atmospheric Kinetics |  |
| Boundary Layer Meteorology |  |
| Land- Atmosphere Interactions |  |
| Large Scale Dynamics/Transport |  |
| Ocean – Atmosphere Interactions |  |
| Radiative Processes & Effects |  |
| Stratospheric Processes |  |
| Tropospheric Processes |  |
| Upper Atmosphere Processes & Geospace |  |
| Water in the Atmosphere |  |

### Climate and Climate Change

|  |  |
| --- | --- |
| Climate and Climate Change |  |
| Palaeoenvironments |  |
| Regional Weather & Extreme Events |  |

### Civil engineering and built environment

|  |  |
| --- | --- |
| Coastal and Waterway Engineering |  |
| Earth Engineering |  |
| Ground Engineering |  |
| Mining & Minerals Extraction |  |
| Oil and Gas Extraction |  |
| Soil science |  |
| Transportation Operations and Management |  |
| Urban and Land Management |  |
| Waste Management |  |
| Water Engineering |  |

### Development studies

|  |  |
| --- | --- |
| Economic Development |  |
| Geography and Development |  |
| Global Health and Medicine |  |
| International Education and Development |  |
| Law, Democracy and Development |  |
| Natural Resources, Environment and Rural Development |  |
| Politics, International Relations and Development |  |
| Regional Development |  |
| Social policy and Development |  |
| Sociology and Development |  |

### Ecology, biodiversity and systematics

|  |  |
| --- | --- |
| Behavioural Ecology |  |
| Community Ecology |  |
| Conservation Ecology |  |
| Population Ecology |  |
| Systematics and Taxonomy |  |

### Energy

|  |  |
| --- | --- |
| Bioenergy |  |
| Carbon Capture and Storage |  |
| Coal Technology |  |
| Energy - Conventional |  |
| Energy - Marine and Hydropower |  |
| Energy - Nuclear |  |
| Energy Efficiency |  |
| Energy Storage |  |
| Fuel Cell Technologies |  |
| Solar Technology |  |
| Sustainable Energy Networks |  |
| Sustainable Energy Vectors |  |
| Wind Power |  |

### Environmental Engineering

|  |  |
| --- | --- |
| Assessment and Remediation of Contaminated Land and Groundwater |  |
| Coastal and Waterway Engineering |  |
| Soil science |  |
| Waste Management |  |
| Waste Minimisation |  |

### Food science and nutrition

|  |  |
| --- | --- |
| Diet and health |  |

### Genetics and Development

|  |  |
| --- | --- |
| Animal developmental biology |  |
| Evolution and populations |  |
| Gene action and regulation |  |
| Genome organisation |  |
| Microbial |  |
| Population Genetics/Evolution |  |

### GeoSciences

|  |  |
| --- | --- |
| Carbon Capture & Storage |  |
| Earth Engineering |  |
| Earth Resources |  |
| GeoHazards |  |
| Glacial & Cryospheric Systems |  |
| Hydrogeology |  |
| Hydrological Processes |  |
| Mantle and Core Processes |  |
| Palaeoenvironments |  |
| Properties of Earth Materials |  |
| Quaternary Science |  |
| Sediment/Sedimentary Processes |  |
| Tectonic Processes |  |
| Volcanic Processes |  |

### Human Geography

|  |  |
| --- | --- |
| Cartography and GIS |  |
| Cultural and Anthropological Geography |  |
| Demography/Population Geography |  |
| Development Geography |  |
| Economic Geography |  |
| Environmental Geography |  |
| Historical Geography |  |
| Human Geography (General) |  |
| Political Geography |  |
| Recreation/Tourism Geography |  |
| Regional Geography |  |
| Rural Geography |  |
| Social Geography |  |
| Transport Geography |  |
| Urban Geography |  |

### Information and communication Technologies

|  |  |
| --- | --- |
| Artificial Intelligence Technologies |  |
| Bioelectronic Devices |  |
| Computer Graphics and Visualisation |  |
| Electronic Devices and Subsystems |  |
| Human-Computer Interactions |  |

### Law and legal Studies

|  |  |
| --- | --- |
| Common Law, Including Commercial Law |  |
| EU Law |  |
| Human Rights |  |
| International Law |  |
| Legal History |  |
| Public Law |  |
| Socio Legal Studies |  |

### Marine Environments

|  |  |
| --- | --- |
| Biogeochemical Cycles |  |
| Ecosystem Scale Processes |  |
| Land - Ocean Interactions |  |
| Ocean - Atmosphere Interactions |  |
| Ocean Circulation |  |

### Mathematical Science

|  |  |
| --- | --- |
| Mathematical Analysis |  |
| Mathematical Aspects of Operational Research |  |
| Mathematical Physics |  |
| Numerical Analysis |  |
| Statistics and Applied Probability |  |

### Mechanical Engineering

|  |  |
| --- | --- |
| Heat and Mass Transfer |  |
| Instrumentation Engineering and Development |  |
| Manufacturing Machinery & Plant |  |
| Materials testing and engineering |  |
| Mechanical and Fluid Power Transmission |  |
| Oil and Gas Extraction |  |
| Robotics and Autonomy |  |
| Underwater Engineering |  |

### Medical and health interface

|  |  |
| --- | --- |
| Environment And Health |  |

### Microbial sciences

|  |  |
| --- | --- |
| Environmental Microbiology |  |
| Microbiology |  |
| Responses to environment |  |

### Omic sciences and technologies

|  |  |
| --- | --- |
| Environmental Genomics |  |

### Plant and Crop Science

|  |  |
| --- | --- |
| Environmental Physiology |  |
| Interaction with organisms |  |
| Plant cell biology |  |
| Plant development biology |  |
| Plant organisms |  |
| Plant physiology |  |
| Plant reproductive biology |  |
| Plant responses to environment |  |

### Planetary Sciences

|  |  |
| --- | --- |
| Exploration Technology |  |
| Extra Solar planets |  |
| Non-Terrestrial Planetary Science |  |
| Planetary Atmospheres |  |
| Planetary Surfaces & Geology |  |
| Solar Bodies |  |

### Pollution, waste and resources

|  |  |
| --- | --- |
| Assessment and Remediation of Contaminated Land and Groundwater |  |
| Carbon Capture and Storage |  |
| Earth Resources |  |
| Ecotoxicology |  |
| Pollution |  |
| Waste Minimisation |  |

### Sociology

|  |  |
| --- | --- |
| Educational Sociology/Sociology of Education |  |
| Environment |  |
| Sociology (General) |  |

### Terrestrial and freshwater environments

|  |  |
| --- | --- |
| Biogeochemical Cycles |  |
| Earth Surface Processes |  |
| Ecosystem Scale Processes |  |
| Land - Atmosphere Interactions |  |
| Land - Ocean Interactions |  |
| Soil Science |  |
| Water Quality |  |

### Other Research Areas related to other Research Councils – Please specify:

|  |  |
| --- | --- |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **Total** | **100%** |

## Geography Qualifiers (i.e. region or country on which the research is focused).

**Please select from list below one or more region(s). Percentages are NOT needed here.**

|  |  |
| --- | --- |
| Africa |  |
| Arctic Ocean |  |
| Atlantic Ocean |  |
| Central America incl. Caribbean |  |
| Eastern Europe |  |
| England |  |
| Far East (China/Japan) |  |
| Indian Ocean |  |
| Ireland |  |
| Mediterranean |  |
| Middle East |  |
| North America |  |
| Oceania |  |
| Pacific Ocean |  |
| Polar |  |
| Russia and Central Asia |  |
| Southern Asia (Pakistan to Indonesia) |  |
| Scandinavia |  |
| Scotland |  |
| South America |  |
| Southern Ocean |  |
| UK & Ireland |  |
| Wales |  |
| Western Europe |  |
|  |  |
| Qualifiers Not Applicable |  |