SFI Public Service Fellowship 2023

1. **Name of Governmental Department or Agency**
Department of Children, Equality, Disability, Integration and Youth
2. **Title of the Project**
DCEDIY3 Mapping of children's and young person's services using Geo Hive and Geo Spatial data to inform planning for service delivery and improve access and information on services
3. **Description of the Project**
The Data and Analytics unit are exploring the use of GIS to add value to the work of the Department. As part of this an internal facing Geo-Hive has been developed. This goal of this project, in line with the new National Policy Framework for Children and Young People is to map children's and young person's services using Geo Hive and Geo Spatial data to inform planning for service delivery and improve access and information on services for children, young people and their families. This will include identification of what datasets are available across the areas under the remit of the Department, assessment of suitability of each of the datasets, including considerations of data anonymization.   Following this there will be a requirement for the mapping of and creation of automated process to update mapping of each of these datasets.
4. **Project Scope**
The successful applicant will sit within the Data and Analytics Unit (DAU) within DCEIDY and will support the unit in developing DCEDIY spatial datasets to enable mapping and analysis of the services provided by DCEDIY. Activities may include: • Data Management and cleansing • Data anonymisation and pseudonymisation • Feature layer management and publication • Liaison with internal and external stakeholders • Creation of internal GIS and spatial datasets for use by the Department • Creating and maintenance of internal map viewers • Creation and maintenance of internal dashboards • Provision of GIS subject matter expertise
5. **Skills/Expertise Required**
Expertise in general application of GIS technology and data Knowledge/expertise in best current practices in data management and analysis Knowledge/expertise of data anonymization and pseudonymisation Experience of working with diverse datasets Experience using CSO data and geo-demographic data

6. **Expected Outputs of Project**
There will be a number of outputs from this project • An easy to read summary of the available data on children's and young person's services • All of the above mapped, in an automated updatable manner in the DAU Geo-Hive • Training materials in the updating process • A series of dashboards showing the available services under each domain
7. **Working Arrangements**
DCEDIY can provide ICT equipment, as required. DCEDIY have offices in central Dublin, which the candidate may be required to attend and which the candidate can use. The Data and Analytics unit has responsibility for data and analytics including the use of GIS across the department and can provide support in the form of sounding boards, reviewing suggestions and general collegial support. The researcher would also be very welcome to attend research clubs organised within the department and other research related events and launches.
8. **Expected Timeline**
12 months full-time
9. **Contact Details**
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