

1. Name of Governmental Department or Agency
Food Safety Authority of Ireland (FSAI)
2. Title of the Project
Assessment of the food safety data holdings of the FSAI to inform a suitable data model for the FSAI and the wider food safety enforcement community in Ireland.
3. Description of the Project
<p>The FSAI gathers a significant amount of data on an annual basis to monitor food safety in Ireland. Historically separate systems were developed to store different datasets resulting in unconnected data. In an effort to build data analytical capacity to inform future policies in data collection and analysis, the FSAI is currently undertaking a project to house all of its key data holdings in a central repository (Data Warehouse).</p> <p>Fundamental to maximising the success of the development of the FSAI Data Warehouse is the underlining data model. The model will clearly organise how all the data elements relate to each other.</p> <p>The output of this project will inform how best to bring together the separate datasets into one system and form the necessary connections between datasets to deliver improved data analysis to support decision-making in the FSAI, enhance stakeholder engagement and underpin future approaches to regulating the food industry.</p>
4. Project Scope
<p>The project consists of the following tasks:</p> <p>Task 1: Review the FSAI data holdings and the reporting needs of the organisation and determine the required connections between datasets and data elements to allow for delivery of essential reports.</p> <p>Task 2: Produce a suitable data model for the FSAI based on the outcome of Task 1</p> <p>Task 3: Provide an outline of the legislative and policy changes that would embed the resulting data model across the official food safety community, particularly at the point of data capture.</p> <p>The project would involve working closely with members of the Data Collection and Analysis team and with members of other teams across the FSAI who manage and interact with different food safety datasets.</p>
5. Skills/Expertise Required
<p>The skills required are as follows:</p> <ul style="list-style-type: none"> • Data Modelling

- Data Analysis
- Relational Databases (SQL)

6. Expected Outputs of Project

There are three outcomes of the project.

1. A report on the review of the FSAI data holdings, reporting needs and the required data connections.
2. A data model in graphically form with relevant accompanying documentation.
3. An outline of the key changes to be made to policies or legislation to embed a national food safety data model.

7. Working Arrangements

The placement would ideally be based at the FSAI offices in Dublin's IFSC area. However, flexibility to work remotely or other working arrangements could be considered. Any arrangement would require researchers to have access to the FSAI IT systems and to attend FSAI's offices as required. They will report to the Data Manager who will be responsible for directing the work.

8. Expected Timeline

The project is expected to take 12 months.