

Office of Public Works

Case Study

The office of Public Works (OPW) is the lead state agency for Flood Risk Management in the Republic of Ireland, helping to minimise the impact of flooding through sustainable planning.

As the lead agency for Flood Risk Management the OPW is responsible for the implementation of the EU Floods Directive and the National Flood Risk Management Policy.

The Problem

A core component of the state's requirement under the EU Floods Directive is to produce flood hazard and flood risk data and maps. Due to the large volume of spatial data required for processing, analysis and publication, the OPW required a full-time, on-site GIS specialist to assist the Flood Risk Management Data Management (FRM Data Management) Section to meet their objectives as part of the EU Floods Directive.



Why us?

- ✓ GIS Expertise, especially in open-source technologies
- ✓ Large flexible team of geo-spatial experts
- ✓ Experience working on large scale projects
- ✓ Ability to provide staff to work on-site with the customer
- ✓ Availability of additional GIS training & support





What We Did

Mallon Technology provided the OPW with one of our expert GIS Specialists on a full-time, on-site basis.

Using a robust and automated process, Mallon Technology was able to process and analyse EU Floods Directive data such as HECRAS flood modelling outputs, current LiDAR data, Geodirectory and OSi building data in one seamless string of processes using QGIS Graphical Modeler. This data was then used to produce high quality pdf A3 flood hazard and risk maps.

Further to this our on-site GIS Specialist provided OPW staff with general GIS training and support as well as assisting in the various other geospatial queries and solutions.

The Benefits

- ✓ Capacity of FRM Data Management Section was increased, enabling them to deliver work to a high standard
- ✓ EU Flood Directives were met
- ✓ Data captured at source helped to improve internal data management
- ✓ Quality of data captured was improved by better management of data life cycle
- ✓ Skill levels of OPW staff have been increased

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We are very pleased with the GIS Services Mallon Technology has provided to the Flood Risk Management Data Management section of the OPW. Mallon Technology has greatly contributed to the timely delivery of EU Floods Directives mapping requirements. An additional benefit for our section through Mallon Technology has been the use of a mix of proprietary and open source GIS platforms, giving us more flexibility and an increased ability to scale up processes in our day-to-day operations as well as cost saving.

Vincent Hussey, Engineer Grade 1, Head of OPW FRM Data Management Section

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Find out more at:
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