

# **A Field GIS Solution to Derelict Sites and Dangerous Structures Management**

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## **SUMMARY**

The subjective nature of the definitions and lack of guidance under the Derelict Sites Act 1990 and Local Government Sanitary Services Act 1964 lead to inconsistent applications of the Acts and a reluctance to enforce.

The Author has conducted a comprehensive research into the area of Dereliction and Dangerous Structures and has come up with a set of criteria to identify what is Derelict and what is Dangerous based on a critical combination of site indicators, group decisions and geographical data.

A GIS-based web application is capable of offering an effective solution in tackling the above problem by removing the subjectivity from the definition of Derelict Sites and Dangerous Structures. Research carried out using a web and smartphone application and FME has shown that it is possible to quantify dereliction and danger, using the town of Cashel as a study area and ranking sites based on impact on amenity.