



Category: Best use of technology to improve health, safety and well-being - WINNER

MHA+ member name

AECOM

other partners involved in the development of this product/project/nomination

Client - Derbyshire County Council

Summary

AECOM designed a low-cost, custom-made, GIS based, frequency ratio landslide susceptibility model with a high (1m) spatial resolution for Derbyshire County Council using predominantly open-source data. This was so they could better understand which parts of their 'Resilient Routes Network (RRN)' (the roads defined by the council as being most critical for logistics and health and safety) that were most susceptible to landslides. AECOM's model quantifies the spatial relationships between past landslides and a range of potential controlling factors to assess the overall regional landslide susceptibility and therefore allows identification of where potential future landslides are most likely to occur.