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Landslides

Together with the **British Geological Survey** and **Qatar Computing Research Institute** we developed a near-real-time global landslide incident reporting tool demonstrator that uses social media and artificial intelligence.

Indeed there is a lot of information about landslides on social media such as twitter, but it often doesn't get to the authorities who need the info for disaster response purposes or long-term research.

After a hard work to manually identify 11,737 images as landslide or not a landslide, the tool can now detect landslide reports with an accuracy of 76%!

Use the tool: <https://lnkd.in/ejPTJhqf>

Read the paper: <https://lnkd.in/ebMZ8mkp>

Check what Preventionweb says about it: <https://lnkd.in/eWqb3ahS>

The screenshot shows the 'Global Landslide Detector' web application. At the top, there is a navigation bar with 'How to use', 'Science Behind', and 'Feedback' links. Below the header, the total number of reports is shown as '46.8K+'. The interface includes filters for 'Last report collected on: 2022-10-19', 'Get landslide reports from: Today Yesterday Past two days Past week', and 'Start date: 19/10/2022 00:00:00 End date: 19/10/2022 23:59:59'. There are also filters for 'Tweets by: Person Organization All', 'Tweets from: Country State City', and 'Include non-geotagged tweets: YES NO'. The 'Collaborators' section lists CSEM EMSC, BGS British Geological Survey, and AIDR. The main content area displays a grid of tweets with images of landslides, including reports from Washington, USA, Boyacá, Colombia, and La Libertad, El Salvador.