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Good project practice
Digital early warning system for landslides

CHALLENGE AND APPROACH

In developing and emerging countries, **landslides, rockfalls and similar earth movements** are natural hazards and can cause considerable economic and personal damage. Business Scouts therefore advise and support the company Hesotech in establishing an **early warning system** for landslides in Rwanda. Hesotech's solution, which is equipped with digital intelligence, can detect, analyse and monitor even small changes on the earth's surface at an early stage with the help of digital image data, so that inhabitants can be evacuated in time and other precautionary measures can be taken.

EFFECTS AND ACCOMPLISHMENTS

The early warning system makes densely populated areas with important infrastructure safer: In the pilot project in the Rumbura region, around 30,000 inhabitants are better protected against landslide hazards. The **resilience and adaptability** of the risk area to (climate change-related) natural disasters and the economy of the region can be strengthened in the long term. In addition, further safe locations are identified where new infrastructure can be built sustainably.

PROSPECT

If the pilot project is successful, **further fields** of application will be developed in the five most vulnerable regions of Rwanda. In the future, distribution will take place throughout Africa.

30.000
Residents are better protected from danger (in the pilot project)

Strengthening resilience to natural disasters

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

13 CLIMATE ACTION

17 PARTNERSHIPS FOR THE GOALS

Data & Facts		
	Country	Rwanda
	Partner institutions	IHK Koblenz
	Involved partners	Hesotech GmbH, Strategische Partnerschaft für Technologie in Afrika (SPTA), Fair Forward
	Duration	June 2022 – September 2023
	Business Scouts	Mathias.Brandt@giz.de, Michael.Kleinbub@giz.de
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